global ESD solutions

DLB CATALOGUE

www.dlb.hu | sales@destsa.hu

ESD

DLB.hu 2016

D és Tsa Bt. was established in 1996. It is a 100 % Hungarian owned company. Our company is specialized in manufacturing and distributing ESD and Soldering products. In our product range there are more than 25.000 different products. Our self-produced products exist on the market under our own brand name DLB:

- ESD Garments
- ESD Shoes
- ESD Grounding boxes
- ESD Products made of conductive corrugated polypropylene
- ESD Test stations and Instruments
- ESD Entrance gates and systems
- ESD Chairs
- Stencil rolls
- ESD Microfibre wipes
- ESD Testers and instruments
- ESD Entrance systems

In the partner network of D és Tsa Bt. there are the leading multinational electronics manufacturing corporations, which look on our company as their strategic supplier partner on ESD and Soldering field. Our outstanding results could be thank to our highly professional readiness, flexibility and the high quality standards of our sales and production.

D és Tsa Bt. works   on the basis of EN ISO 9001:2001 quality management system.

DNV BUSINESS ASSURANCE
MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 151053-2014-AQ-BUD-RvA

This is to certify that

D és Tsa. Bt.
(Registration address: 83. Dr. Csányi László krt., Vác, H-2600)

23/6. Szent László út, Vác, H-2600

has been found to conform to the Management System Standard:

ISO 9001:2008

This Certificate is valid for the following product or service ranges:

Retail and wholesale trade of electronics products, manufacturing of ESD protection clothing

Initial Certification date:
20th March 2014

This Certificate is valid until
20th March 2017

The audit has been performed under the supervision of

Gábor Sulyok
Lead Auditor

Place and date:
Budapest, 20th March 2014
for the Accredited Unit:
Det Norske Veritas Certification B.V.,
The Netherlands

László Adlovits
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.
ACCREDITED UNIT DET NORSKE VERITAS CERTIFICATION B.V., ZWOLSEWEG 1, 2994 LB, BARENDRECHT, THE NETHERLANDS, TEL: +31 (0) 10 2922600, WWW.DNVBA.COM

D és Tsa Bt. provides different ESD services which prove our professionalism and made our position on the market even stronger:

- ESD Professional training
- ESD Audits and Revision
- ESD Certifications
- Measuring of EPA areas
- ESD Laboratory tests
- ESD Consultation

We do all the ESD measurements and product certifications in our own, perfectly equipped ESD laboratories under controlled temperature and humidity.

We produce our ESD Garments according to the ESD standards current at all times: IEC 61340-5-1 and ANSI/ESD S20.20. We provide a unique quality assurance of the production of the ESD Garments, because this process starts at the arrival of the row materials which go under a thorough ESD and mechanical testing.

Of course, the complete ESD clothing can leave our company only after ESD measurements and conformity. All of our self-produced ESD Garments have the ESD certification, which will be marking with the following label according to the 2015/16 ESD standards:

The quality of our products and the reliability of our company have been successfully able to hold the international markets, which resulting in production capacity of more than 80 % of export sales.

You can meet with our company and with our products on the following International Trade Fairs: **PRODUCTRONICA** (Munchen, Germany), **SMT/ HYBRID/PACKAGING** (Nurnberg, Germany), **A+A** (Düsseldorf, Germany)

Based on the feedbacks received from our partners, our slogan has become the following sentence:

„ D és Tsa Bt. offers not only product but cooperation as well… "

We hope our products and services can greatly assist your work in the present and in the future.

Your Sincerely

Mr. Balázs Dulay - Sales Manager

ESD TRAININGS
ESD SERVICES

ESD TRAININGS

Topics on trainings	Basic	Intermediate	High level
ESD basic concepts (EOS/ESD, EPA, MSL…)	●	●	●
Origin of Static charge (with pictures and presentation by meters)	●	●	●
Dangers of Static charge for the products (Who and What can cause Static charge damage)	●	●	●
ESD damages and danger sources (Approach by financial point of view)	●	●	●
Safety equipments against Static charge and suitable application of that	●	●	●
Controls, checkings and methods (Control and checking of ESD equipments and ESD workstations)	●	●	●
Applied ESD directions (Permitted and forbidden matters and operations)	●	●	●
Application and use of ESD testers and meters	●	●	●
ESD sensitive materials and identification (Identification and following up of ESD senditive materials according to ISO 9001 7.5.3., MSL levels)		●	●
Effects of environmental factors (Temperature, humidity, air pollution and other contamination)		●	●
Personal factors and effects (Danger sources, solutions)		●	●
ESD protection and equipments (Product protection in this case personal factors)		●	●
Methods of product protection (EPA building up, marking of EPA, marking of NON EPA)		●	●
ESD technologies (Usable materials and technologies)		●	●
Examination methodes (Offered equipments)		●	●
Technical methodes and accomplish of EPA building up (Applied materials)			●
Revision and measuring of applied ESD technology (In theory and in practice)			●
Harmonizing of the applied ESD standards with the practice (standardization advising)			●
Methodes and equipment of measuring (In theory and in practice)			●
Required documentations and measuring reports (Application advising)			●
Duration of the training	3 days	4 days	5 days
Examination (D - On demand, O - Oral, W - Written, P - Practical)	D	O / W / P	O / W / P

ESD AUDITS and REVISIONS
According to ANSI/ESD S20.20 és IEC 61340-5-1

Revision of EPA areas
Revision of ESD directions and documentations
Update of ESD directions and documentations
Revision of equipments
Audit of ESD processes
Audit of efficiency of ESD training
Revision of ESD instruments

ESD CERTIFICATIONS
According to ANSI/ESD S20.20 és IEC 61340-5-1

Certification according to the standards
ESD revision before Certification
After-Audits
Prepare for ESD certification

MEASURING of EPA AREAS
According to ANSI/ESD S20.20 és IEC 61340-5-1

Examination of EPA area by instruments
Periodic revision by instruments
Case examination
Examination of a new EPA area by instruments

ESD LABORATORY TESTS
According to ANSI/ESD S20.20 és IEC 61340-5-1

ESD laboratory tests according to ANSI/ESD S20.20
ESD laboratory tests according to IEC 61340-5-1
Classification of ESD equipments

ESD CONSULTATION
According to ANSI/ESD S20.20 és IEC 61340-5-1

Consultation of ESD problems to find solutions
Consultation for solution of general ESD problems

ESD GARMENTS
ESD SHOES AND SAFETY SHOES

ESD GARMENTS

STANDARD ESD FABRICS

Type:		KK01	TH55	TH65	CT35	TH96	TH75	CR10	WC10	TS15	TS16	PS21	THSS
Fabric		Woven fabric							Woven fabric + Teflon	Knitted fabric			
Composition %	Polyester	74	63	36	69	x	68	98	98	x	x	47	48
	Cotton	24	33	60	27	96	30,5	x	x	97	96	50	48
	Carbon	2	4	4	4	4	1,5	2	2	3	4	3	4
Weight g/m^2		122	155	160	135	125	175	96	120	150	150	210	280
Application		Smock, trousers, overal, trousers with ribbon, jacket, vest						For Class 1000 Cleanroom, smock, overal, trousers	Water repellent coat and vest	T-Shirt		Polo-Shirt	Cardigan, sweatshirt

KK01 FABRIC

Static dissipative fabric (Carbon loaded yarns in 5 mm grid)

74% Polyester 24% Cotton 2% Conductive fibres, 122 g/m^2

Finish: Crease Resist, Workwear

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 50 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

Colours:

White (W), Light Blue (LB), Royal Blue (RB), Light Grey (LG), Dark Grey (DG),Orange (O), Burgundy (B), Yellow (Y), Red (R), Light Green (LE), Mint Green (MG), Dark Green (DZ), Black (BK), Light Pink (LPK)

TH55 FABRIC

Static dissipative fabric (Carbon loaded yarns in 5 mm grid)

63% Polyester 33% Cotton 4% Conductive fibres, 155 g/m^2

Finish: Crease Resist, Workwear

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 50 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

Colours: White (W), Light Blue (LB), Royal Blue (RB)

TH65 FABRIC

NEW!

Static dissipative fabric (Carbon loaded yarns in 5 mm grid)

36% Polyester 60% Cotton 4% Conductive fibres, 160 g/m^2

Finish: Crease Resist, Workwear

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 50 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

W

Colours: White (W)

CT35 FABRIC

NEW!

DEVELOPED FOR INDUSTRIAL LAUNDERINGS

Static dissipative fabric (Carbon loaded yarns in 5 mm grid)

69% Polyester 27% Cotton 4% Conductive fibres, 135 g/m^2

Finish: Crease Resist, Workwear

Resistivity point-point (Rp): 10^5 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 100 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

W

Colours: White (W)

TH75 FABRIC

Static dissipative fabric (Carbon loaded yarns in 5 mm grid)

68% Polyester 30,5% Cotton 1,5% Conductive fibres, 175 g/m^2

Finish: Crease Resist, Workwear

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 50 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 60° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

W   LG

Colours: White (W), Light Grey (LG)

TH96 FABRIC

Static dissipative fabric (Carbon loaded yarns in 5 mm grid)

96% Cotton 4% Conductive fibres, 125 g/m^2

Finish: Crease Resist, Workwear

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 50 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

W   LB

Colours: White (W), Light Blue (LB)

CR10 FABRIC

CLEANROOM

Static dissipative fabric for Clean Room class 1000 (Carbon loaded yarns in 5 mm grid)

98% Polyester 2% Conductive fibres, 96 g/m^2

Finish: Crease Resist, Workwear

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 50 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 60° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

W

Colours: White (W)

ESD GARMENTS

THSS FABRIC

Static dissipative knitted fabric (futter)

48% Polyester 48% Cotton 4% Conductive fibres, 280 g/m^2

Finish: Crease Resist for Sweatshirt, Cardigans

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 40 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

Colours: Navy Blue (NB)

WC10 FABRIC

Static dissipative fabric with Teflon coated for Clean Room class 1000 (Carbon loaded yarns in 5 mm grid)

98% Polyester 2% Conductive fibres, 120 g/m^2

Finish: Water Repellent, Crease Resist, for Winter Coat

Resistivity point-point (Rp): 10^6 - 10^9 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 40 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 60° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

Colours: Navy Blue (NB)

TS15 FABRIC

Static dissipative knitted fabric

97% Cotton 3% Conductive fibres, 150 g/m^2

Finish: Crease Resist, for T-Shirt

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 40 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

Colours: White (W), Grey (GA), Royal Blue (RB), Black (BK)

TS16 FABRIC **NEW!**

Static dissipative knitted fabric

96% Cotton 4% Conductive fibres, 150 g/m^2

Finish: Crease Resist, for T-Shirt

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 40 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

Colours: White (W), Navy Blue (NB), Black (BK)

PS21 FABRIC

Static dissipative knitted fabric

47% Polyester 50% Cotton 3% Conductive fibres, 210 g/m^2

Finish: Crease Resist, for Polo-Shirt

Resistivity point-point (Rp): 10^6 - 10^7 Ohm

Decay time: < 2 second

EN 61340-5-1 Electrical properties maintained after more than 40 industrial launderings

Compliance with EN 61340-5-1

Machine washable up to 40° C

Ironing at maximum 110° C

Do not use acid or alkali, Do not bleach

Tumble dry at low temperature

Colours: Grey (GA), Royal Blue (RB), Navy Blue (NB), Black (BK)

GARMENTS STYLES

ESS/EFS - ESD SMOCK - 1/2 LENGHT

Male (ESS) and Female (EFS): XS-5XL, 2 sidepockets, 1 breast pocket (ESD symbol on it), Hidden fastening with snap-fastener, Cuffs with snap-fastener

Available fabrics: KK01, TH55, TH65, TH75, TH96, CR10, CT35

Order Code Sample

ESS-KK01-WL (Style-Fabric-Colour-Size)

ESX/EFX - ESD SMOCK - 1/3 LENGHT

Male (ESX) and Female (EFX): XS-5XL, 2 sidepockets, 1 breast pocket (ESD symbol on it), Hidden fastening with snap-fastener, Cuffs with snap-fastener

Available fabrics: KK01, TH55, TH65, TH75, TH96, CR10, CT35

Order Code Sample

ESX-KK01-WL (Style-Fabric-Colour-Size)

ESL/EFL - ESD SMOCK - 2/3 LENGHT

Male (ESL) and Female (EFL): XS-5XL, 2 sidepockets, 1 breast pocket (ESD symbol on it), Hidden fastening with snap-fastener, Cuffs with snap-fastener

Available fabrics: KK01, TH55, TH65, TH75, TH96, CR10, CT35

Order Code Sample

ESL-KK01-WL (Style-Fabric-Colour-Size)

OT & OJ OVERALL SET

OT - Trousers with ribbon, 5 pockets, zip fastener, Size: Unisex: XS-5XL, With ESD symbol
OJ - Jacket with 2 sidepockets, 2 breast pocket, Hidden zip fastener on the jacket, elastic cuffs

Available fabrics: KK01, TH55, TH65, TH75, TH96, CR10, CT35

Order Code Sample

OT-KK01-WL (Style-Fabric-Colour-Size)

OJ-KK01-WL (Style-Fabric-Colour-Size)

ET & ETF ESD TROUSERS

Straight style, Male (ET) and Female (ETF): XS-5XL, Hip-pocket with ESD symbol, 2 sidepockets, Rubberized waist

Available fabrics: KK01, TH55, TH65, TH75, TH96, CR10, CT35

Order Code Sample

ET-KK01-WL (Style-Fabric-Colour-Size)

ETF-KK01-WL (Style-Fabric-Colour-Size)

T-SHIRT WITH ROUND COLLAR

Unisex: XS-5XL, Breast pocket with ESD symbol (Z) or Without pocket in this case ESD symbol on sleeve (O) Short sleeves (T) or Long sleeves (L) Round colar (K)

Available fabrics: TS15, TS16, PS21

Types: TKO, TKZ, LKO, LKZ

Order Code Sample

TKO-TS15-GAL (Style-Fabric-Colour-Size)

LKZ-PS21-NBL (Style-Fabric-Colour-Size)

POLO-SHIRT WITH V COLLAR

Unisex: XS-5XL, Breast pocket with ESD symbol (Z), Short sleeves (P) or Long sleeves (Q), V collar with snap-fastener (G)

Available fabrics: TS15, TS16, PS21

Types: PGZ, QGZ

Order Code Sample

PGZ-PS21-GAL (Style-Fabric-Colour-Size)

QGZ-TS15-WL (Style-Fabric-Colour-Size)

CAS & CAL ESD CARDIGAN

Static Dissipative long sleeved Cardigan, Comfortable and Breathable, Unisex: XS-5XL, With ESD symbol on the breast With short zipper (CAS) / with long zipper (CAL), With two side pocket, ESD cuffs

Available fabrics: THSS

Order Code Sample

CAS-THSS-NBL (Style-Fabric-Colour-Size)

CAL-THSS-NBL (Style-Fabric-Colour-Size)

SWS & SWW ESD SWEATSHIRT

Static Dissipative long sleeved sweatshirt (SWS), Static Dissipative sleeveless sweatshirt (SWW), Comfortable and Breathable, Size: Unisex: XS-5XL, With ESD symbol on the breast, Round colar (SWS) / V colar (SWW), ESD cuffs (available only on SWS)

Available fabrics: THSS

Order Code Sample
SWS-THSS-NBL (Style-Fabric-Colour-Size)
SWW-THSS-NBL (Style-Fabric-Colour-Size)

WW & WJ ESD WINTER COAT AND VEST

Static Dissipative Winter Vest (WW), Static Dissipative Winter Coat (WJ), Unisex: XS-5XL, Inner fleece layer, Water repellent outside layer, With ESD symbol on the breast, With two pockets, With Zipper

Available fabrics: WC10

Order Code Sample
WW-WC10-NBL (Style-Fabric-Colour-Size)
WJ-WC10-NBL (Style-Fabric-Colour-Size)

BB ESD BASEBALL CAP

Peaked cap, with ESD symbol, Unisex

Available fabrics: KK01, TH55, TH65, TH96, TH75, CR10, CT35

Order Code Sample
BB-KK01-WF (Style-Fabric-Colour-Size)

WH ESD WINTER HAT

Static Dissipative Winter Hat, with ESD symbol, Unisex, Comfortable, warming and breathable

Available fabrics: PS21

Order Code Sample
WH-PS21-GA (Style-Fabric-Colour-Size)

OLL ESD OVERALL WITH HOOD

Static Dissipative Coverall with Hood, Unisex: XS-5XL, With ESD symbol on the breast, With conductive cuffs, With Zipper

Available fabrics: KK01, TH55, TH65, TH96, TH75, CR10, CT35

Order Code Sample
OLL-CR10-WL (Style-Fabric-Colour-Size)

VES-S QUILTED ESD LINED VEST   NEW!

Static Dissipative Vest , Unisex: XS-5XL, Quilted lined vest, With ESD symbol on the breast, With two pockets, Hidden fastening with snap-fastener, for indoor use

Available fabrics: KK01, TH55, TH65, TH96, TH75, CR10, CT35

Order Code Sample

VES-S-CT35-WL (Style-Fabric-Colour-Size)

HIV ESD HIGH VISIBILITY VEST   NEW!

Static Dissipative High-Visibility Vest , Unisex: XS-5XL, With reflective stripes, With ESD symbol on the breast, Hidden fastening with snap-fastener

Available fabrics: KK01-Y, KK01-O

Order Code Sample

HIV-KK01-YL (Style-Fabric-Colour-Size)

EMBROIDERED OR PRINTED LOGO / TEXT

You have a possibilitie to put your own company logo or design on our garments. Just send us your logo in *.jpg format via email, and we send back our offer for you!

ORDERING CODE DEFINITION

Example:

EFL - KK01 - W L

Definition:

- : style
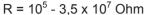- : fabric code
- : colour
- : size

DLB-400 ESD SLIPPER

Footbed sandal white / blue, ESD, EN 347-1A, IEC 61340-5-1, Light safety sandal. ESD certified. Special gray sole, static dissipative, anti-slid, oil and fuel resistent. Cowhide leather and cork comfort footbed. Weight: 500 g/pair.
$R = 10^5 - 3,5 \times 10^7$ Ohm

Order Code	Colour	Size
DLB-400/00xx	white	35 - 48
DLB-400/02xx	blue	35 - 47

DLB-400 ESD SLIPPER WITH HEEL BAND

Footbed sandal with heel band white, ESD, EN 347-1A, IEC 61340-5-1, Light safety sandal. ESD certified. Special gray sole static-dissipative, anti-slid, oil and fuel resistent. Cowhide leather and cork comfort footbed. Weight: 500 g/pair. $R = 10^5 - 3,5 \times 10^7$ Ohm

Order Code	Colour	Size
DLB-400/01xx ++ metal free ++	white	35 - 48

DLB-400 ESD CLOG WITH HEEL BAND

Footbed sandal with heel band white, ESD, EN 347-1A, IEC 61340-5-1, Light safety sandal. ESD certified. Special gray sole static-dissipative, anti-slid, oil and fuel resistent. Cowhide leather and cork comfort footbed. Weight: 700 g/pair. $R = 10^5 - 3,5 \times 10^7$ Ohm

Order Code	Colour	Size
DLB-400/04xx	white	35 - 48
DLB-400/05xx ++ perforated ++	white	35 - 47

DLB-400 ESD SANDAL

Sandal white / black, ESD, EN 347-1A, IEC 61340-5-1, Light safety sandal. ESD certified. Special gray sole, static-dissipative, anti-slid, oil and fuel resistent. All cowhide leather. Comfort footbed. Weight: 800 g/pair.
$R = 10^5 - 3,5 \times 10^7$ Ohm.

Order Code	Colour	Size
DLB-400/06xx	white	38 - 47
DLB-400/07xx	black	38 - 47

DLB-400 ESD SHOES

Shoes black, ESD, EN 347-1A, IEC 61340-5-1, Light comfortable shoes. ESD certified. Special gray sole, static-dissipative, anti-slid, oil and fuel resistent. All cowhide leather. Comfort footbed. Weight: 900 g/pair.
$R = 10^5 - 3,5 \times 10^7$ Ohm

Order Code	Colour	Size
DLB-400/08xx	black	35 - 47

DLB-400 ESD SAFETY SHOES

Metal-free Safety shoes black, ESD, EN 345-1S1, IEC 61340-5-1, ESD safety shoes with high-quality leather finish. Comfort insole with micro-fibre coating. Non-chalking sole, shock-absorbing, with special plastic protective toe-cap. Weight: 1100 g/pair. R = 105 - 3,5 x 107 Ohm.

/09   /10

Order Code	Colour	Size
DLB-400/09xx ++ metal free ++	black	38 - 48
DLB-400/10xx ++ metal free ++	black	38 - 48

robusta®
SCIENTIFIC FOOTWEAR

ESD COLLECTION

The ESD Footwear manufactured by Calzados Robusta, SL has been designed taking into account the requirements of EN 61 340 on the manufacture of sensitive electronics items to electrostatic discharges.

In many cases items such as wristbands or others are used to provide a link between the person skin and the grounding. One way to provide ground for a worker is through their feet while standing or walking on the soil surface, properly defined or specified for the electrostatic control.

CIPRES ESD S1

Leather: Split cowhide, Sole: PU/PU, Toe cap: Metal free 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.

Order Code	Colour	Size
CIPRES/ESD xx ++ metal free ++	blue	35 - 50

CEDRO ESD S2

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Metal free 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.

Order Code	Colour	Size
CEDRO/ESD xx ++ metal free ++	black	35 - 50

SANDALO ESD S1

Leather: Split Nubuck, Sole: PU/PU, Toe cap: Metal free 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.
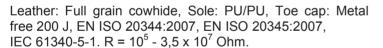
Order Code	Colour	Size
SANDALO/ESD xx ++ metal free ++	brown	35 - 50

ALOE BLANCO ESD S2

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Aluminium 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.

Order Code	Colour	Size
ALOÉBlanco/ESD xx ++ metal free ++	white	34 - 48

NOGAL ESD S2

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Metal free 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.

Order Code	Colour	Size
NOGAL/ESD xx ++ metal free ++	white	35 - 50

ADELFA ESD S1

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Metal free 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.

Order Code	Colour	Size
ADELFA/ESD xx ++ metal free ++	white	35 - 50

SANDRA ESD S1

robusta® SCIENTIFIC FOOTWEAR | S1 | ESD

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Metal free 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.
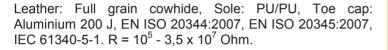
metal free

Order Code	Colour	Size
SANDRA/ESD xx ++ metal free ++	white	35 - 50

CARMEN ESD BLANCO S2+CI+SRC

robusta® SCIENTIFIC FOOTWEAR | S2 | ESD

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Aluminium 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.

Order Code	Colour	Size
CARMEN/ESD xx	white	34 - 48

ACEBO ESD S1

robusta® SCIENTIFIC FOOTWEAR | S1 | ESD

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Aluminium 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.
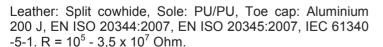
metal free

Order Code	Colour	Size
ACEBO/ESD xx ++ metal free ++	blue	35 - 50

ALOE ESD NEGRO S2+CI+SRC

robusta® SCIENTIFIC FOOTWEAR | S2 | ESD

Leather: Split cowhide, Sole: PU/PU, Toe cap: Aluminium 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340 -5-1. R = 10^5 - 3,5 x 10^7 Ohm.

Order Code	Colour	Size
ALOENegro/ESD xx ++ metal free ++	black	34 - 48

CARPE ESD S2+CI

robusta® SCIENTIFIC FOOTWEAR | S2 | ESD

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Metal free 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.

metal free

Order Code	Colour	Size
CARPE/ESD xx ++ metal free ++	black	35 - 50

SAUCE ESD S2+CI

robusta® SCIENTIFIC FOOTWEAR | S2 | ESD

Leather: Full grain cowhide, Sole: PU/PU, Toe cap: Metal free 200 J, EN ISO 20344:2007, EN ISO 20345:2007, IEC 61340-5-1. R = 10^5 - 3,5 x 10^7 Ohm.

metal free

Order Code	Colour	Size
SAUCE/ESD xx ++ metal free ++	black	35 - 50

robusta® SCIENTIFIC FOOTWEAR

ELTEN

A company history from the heyday of industrialization and the economic miracle to the globalization and a technological progress getting faster each day in the new century. ELTEN's history shows that how a high-quality brand comes into being thanks to entrepreneurial spirit and pioneering product ideas - by combining tradition with strong future prospects.

TAKE A
WALK
ON THE
SAFE
S!DE

DIMENSION PRO Collection

PROFESSIONAL PROTECTION ON SLIPPERY GROUNDS

The new industrial protection dimension for professionals. Designed and developed with scientists: the innovative outsole concept for working on hard and slippery industrial surfaces. Against slipping, twisting and joint pain. And for really more fun at work.

AMBITION BLUE EASY ESD S1   ELTEN S1

Nubuck leather/ mesh material, fabric lining for natural ventilation, padded tongue, steel toe cap, semi-orthopaedic inlay sole, DIMENSION PRO ESD Soft fleece ESD insole, TPU/PU sole DIMENSION PRO, according to EN ISO 20345 S1, form A

Order Code	Size
71733 AMBITION BLUE EASY ESD S1	36 - 48

AMBITION BLUE ESD S1   ELTEN S1

Nubuck leather/ mesh material, fabric lining for natural ventilation, Full, padded belows tongue, steel toe cap, semi-orthopaedic inlay sole, DIMENSION PRO ESD Soft fleece ESD insole, TPU/PU sole DIMENSION PRO, according to EN ISO 20345 S1, form A, B

LOW

MID

Order Code	Size
72733 AMBITION BLUE LOW ESD S1	36 - 48
76733 AMBITION BLUE MID ESD S1	36 - 48

AMBITION BOA ESD S1   ELTEN S2

Hydrophobized nubuck leather/ hydrophobized textile material, BOA closure system, fabric lining for natural ventilation, Full, padded belows tongue, steel toe cap, semi-orthopaedic inlay sole, DIMENSION PRO ESD Soft fleece ESD insole, TPU/PU sole DIMENSION PRO, according to EN ISO 20345 S2 SRC, form A, B

LOW

MID

Order Code	Size
72752 AMBITION BOA LOW ESD S2	36 - 48
76752 AMBITION BOA MID ESD S2	36 - 48

DESIRE ESD S1

ELTEN S1

Nubuck leather/ mesh material, ELTEN Support for optimal heel support and improved stability, fabric lining for natural ventilation, padded tongue, steel toe cap, semi-orthopaedic inlay sole, DIMENSION PRO ESD Soft fleece ESD insole, TPU/PU sole DIMENSION PRO, according to EN ISO 20345 S1 SRC, form A, B

LOW

MID

Order Code	Size
72742 DESIRE LOW ESD S1	36 - 48
76742 DESIRE MID ESD S1	36 - 48

RUSHER ESD S1

ELTEN S1

Microfibre, Elastic lacing system with individual quick locking system, fabric lining for natural ventilation, padded tongue, steel toe cap, semi-orthopaedic inlay sole, DIMENSION PRO ESD Soft fleece ESD insole, TPU/PU sole DIMENSION PRO, according to EN ISO 20345 S1 SRC, form A, B
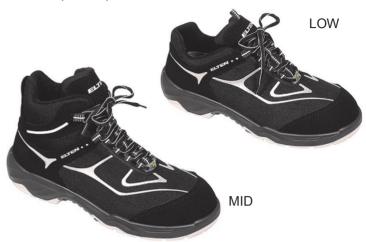
LOW

MID

Order Code	Size
72753 RUSHER LOW ESD S1	36 - 48
76753 RUSHER MID ESD S1	36 - 48

HORIZON ESD S3

ELTEN S3

Hydrophobized microfibre Fashmo™/ hydrophobized textile material Cordura®, Fabric lining for natural ventilation, Full, padded bellows tongue, Steel toe cap, Semi-orthopaedic inlay sole DIMENSION PRO ESD Non-metallic, penetration-resistant midsole TPU/PU sole DIMENSION PRO, According to EN ISO 20345 S3, form A, B

LOW

MID

Order Code	Size
727821 HORIZON LOW ESD S3	36 - 48
767821 HORIZON MID ESD S3	36 - 48

RUNABOUT Easy ESD S1

ELTEN S1

Nubuck leather / microfibre / mesh material, Fabric lining for, natural ventilation, Padded tongue, Steel toe cap, Semi-orthopaedic inlay sole DIMENSION PRO ESD, Soft fleece ESD insole, TPU/PU sole DIMENSION PRO, According to EN ISO 20345 S1 SRC, form A, B

EASY

AIR

Order Code	Size
72844 RUNABOUT Easy ESD S1	36 - 48
76933 RUNABOUT Air ESD S1	36 - 48

RUNABOUT Air ESD S1

ELTEN S1

Hydrophobized nubuck leather / hydrophobized microfibre/ mesh material, fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap, semi- orthopaedic inlay sole Dimension Pro ESD, soft fleece ESD insole, TPU/PU sole Dimension Pro, according to EN ISO 20345 S2 SRC, form A, B

LOW

MID

Order Code	Size
72955 RUNABOUT Air ESD S1	36 - 48
76955 RUNABOUT Air ESD S1	36 - 48

RUNABOUT Low ESD S1

ELTEN S1

Hydrophobized nubuck leather / hydrophobized microfibre/ mesh material, fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap, semi- orthopaedic inlay sole Dimension Pro ESD, soft fleece ESD insole, TPU/PU sole Dimension Pro, according to EN ISO 20345 S2 SRC, form A,

LOW

MID

Order Code	Size
72855 RUNABOUT Low ESD S1	36 - 48
72955 RUNABOUT Low ESD S1	36 -

RUNABOUT Air ESD S1

ELTEN S1

Hydrophobized nubuck leather / hydrophobized microfibre/ mesh material, fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap, semi- orthopaedic inlay sole Dimension Pro ESD, soft fleece ESD insole, TPU/PU sole Dimension Pro, according to EN ISO 20345 S2 SRC, form A,

LOW

MID

Order Code	Size
72855 RUNABOUT Mid ESD S2	36 - 48
76955 RUNABOUT Mid ESD S2	36 - 48

BIOMEX DYNAMICS Collection

BODY BUILDING FOR THE FEET

Created by ELTEN with experts from sports medicine: The new BIOMEX DYNAMICS outsole is unusually flexible, because nature was the inspiration. As the foot, in its natural movement, rolls from the back to the front of the foot in an S-shape, walking is both dynamic and stable. It adjusts with flexibility and ease to uneven ground. In order that this works in the same way in safety shoes, we now offer our foot protection range BIOMEX DYNAMICS.

BIOMEX©
PROTECTION

IMPULSE Green Easy ESD S1

ELTEN S1

Microfibre, fabric lining for natural ventilation, padded tongue, composite toe cap, Full length inlay sole b-dynamic®green Non-metallic, penetration-resistant midsole, TPU/PU sole BIOMEX DYNAMICS, According to EN ISO 20345 S1P SRC, form A, Metal- and leatherfree quipment

Order Code	Size
71255 IMPULSE Green EASY ESD S1	36 - 47

IMPULSE Green Low ESD S1

ELTEN S1

Microfibre, Elastic lacing system with individual quick locking system, fabric lining for natural ventilation, Full, padded bellows tongue, composite toe cap, Full length inlay sole b-dynamic®green, Non-metallic, penetration-resistant midsole, TPU/PU sole BIOMEX DYNAMICS, According to EN ISO 20345 S1P SRC, form A, Metal- and leatherfree quipment

Order Code	Size
72255 IMPULSE Green LOW ESD S1	36 - 47

IMPULSE Green Mid ESD S1

ELTEN S1

Microfibre, fabric lining for natural ventilation, Full padded bellows tongue, composite toe cap, Full length inlay sole b-dynamic®green, Non-metallic, penetration-resistant midsole, TPU/PU sole BIOMEX DYNAMICS, According to EN ISO 20345 S1P SRC, form A, Metal- and leatherfree quipment

Order Code	Size
76255 IMPULSE Green Mid ESD S1	36 - 47

IMPULSE Grey Easy ESD S1

ELTEN S1

Microfibre, fabric lining for natural ventilation, Full padded bellows tongue, composite toe cap, Full length inlay sole b-dynamic®green, Non-metallic, penetration-resistant midsole, TPU/PU sole BIOMEX DYNAMICS, According to EN ISO 20345 S1P SRC, form A, Metal- and leatherfree quipment

Order Code	Size
71245 IMPULSE Grey EASY ESD S1	36 - 47

IMPULSE Grey Low ESD S1

ELTEN S1

Microfibre, Elastic lacing system with individual quick locking system, fabric lining for natural ventilation, Full, padded bellows tongue, composite toe cap, Full length inlay sole b-dynamic®green, Softfleece ESD insole, TPU/PU sole BIOMEX DYNAMICS, According to EN ISO 20345 S1 SRC, form B, Metal- and leatherfree quipment

ESD | ANATOMICAL | REFLECTIVE MATERIAL | SUPER LIGHT | NON METALLIC | COMPOSITE TOE CAP | SRC SLIP RESISTANCE | INNOVATION MADE IN GERMANY

ELTEN b-dynamic the dynamic walking system | BIOMEX PROTECTION

Order Code	Size
72245 IMPULSE Grey LOW ESD S1	36 - 47

IMPULSE Grey Mid ESD S1

ELTEN S1

Microfibre, fabric lining for natural ventilation, Full padded bellows tongue, composite toe cap, Full length inlay sole b-dynamic®green, Soft fleece ESD insole, TPU/PU sole BIOMEX DYNAMICS, According to EN ISO 20345 S1 SRC, form B, Metal- and leatherfree quipment
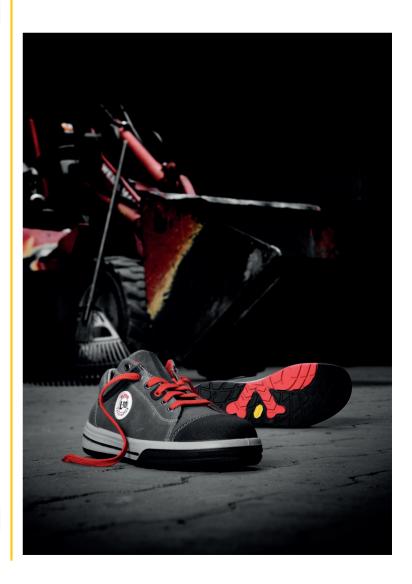
ESD | ANATOMICAL | REFLECTIVE MATERIAL | SUPER LIGHT | NON METALLIC | COMPOSITE TOE CAP | SRC SLIP RESISTANCE | INNOVATION MADE IN GERMANY

ELTEN b-dynamic the dynamic walking system | BIOMEX PROTECTION

Order Code	Size
76245 IMPULSE Grey MID ESD S1	36 - 47

L10 Collection

TOTALLY TRENDY – ALSO WITH REGARD TO THE ENVIRONMENT

A cool look and casual comfort. The L10 series is a real eye-catcher. And it's got the lot: certified safety for protection classes S1 to S3. Your employees' new favourite shoes and not just at work.

SENSATION Low ESD S2

ELTEN S2

Hydrophobized textile material with jeans look / hydrophobized nubuck leather, fabric lining Bioactive, padded tongue, Steel toe cap, full-length inlay sole ESD PRO black, Non-metallic, penetration-resistant midsole, TPU/PU sole UP, According to EN ISO 20345 S3 SRC, form A, B

LOW

MID

| ESD | ANATOMICAL | SUPER LIGHT | SRC SLIP RESISTANCE | zertifiziert gemäß BGR 191 according to | ECO FRIENDLY LEATHER | trevira BIOACTIVE |

Order Code	Size
72106 SENSATION LOW ESD S2	37 - 47
76106 SENSATION MID ESD S2	37 - 47

SKATER ESD S2

ELTEN S2

Hydrophobized cowhide leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole L10, According to EN ISO 20345 S2 SRC, form A

| ESD | ANATOMICAL | SUPER LIGHT | SRC SLIP RESISTANCE | zertifiziert gemäß BGR 191 according to | ECO FRIENDLY LEATHER |

Order Code	Size
72123 SKATER ESD S2	37 - 47

EMOTION ESD S3

ELTEN S3

Waxy nubuck leather with vintage style, fabric lining Bioactive, padded tongue, steel toe cap, full-length inlay sole ESD PRO beige, non-metallic, penetration-resistant midsole, TPU/PU sole L10, According to EN ISO 20345 S3 SRC, form A

| ESD | ANATOMICAL | SUPER LIGHT | NON METALLIC PENETRATION RESISTANCE | SRC SLIP RESISTANCE | zertifiziert gemäß BGR 191 according to | ECO FRIENDLY LEATHER |

trevira BIOACTIVE

Order Code	Size
761091 EMOTION ESD S3	37 - 47

CHECKER ESD S3

ELTEN S3

Hydrophobized cowhide leather / hydrophobized textile material CORDURA, leather lining, padded tongue, steel toe cap, full-length inlay sole ESD PRO beige, non-metallic, penetration-resistant midsole, TPU/PU sole L10, According to EN ISO 20345 S3 SRC, form A

LOW

MID

ESD | ANATOMICAL | SUPER LIGHT | NON MET ALLIC PENETRATION RESISTANCE | SRC SLIP RESISTANCE | zertifiziert gemäß BGR 191 according to | ECO FRIENDLY LEATHER

CORDURA®

Order Code	Size
721061 - CHECKER LOW ESD S3	37 - 47
761061 - CHECKER MID ESD S3	37 - 47

VINTAGE Pirate ESD S3

ELTEN S3

Waxy cowhide leather with vintage style, fabric lining Bioactive, Full, padded bellows tongue, steel toe cap, full-length inlay sole ESD PRO grey, non-metallic, penetration-resistant midsole, RUBBER/PU tread sole pirate, abrasion-proof toe protection, According to EN ISO 20345 S3 SRC, form A, B

LOW

MID

ESD | ANATOMICAL | SUPER LIGHT | NON MET ALLIC PENETRATION RESISTANCE | SRC SLIP RESISTANCE | zertifiziert gemäß BGR 191 according to | ECO FRIENDLY LEATHER

trevira BIOACTIVE | Vibram®

Order Code	Size
722071 - VINTAGE Pirate LOW ESD S3	37 - 47
762071 - VINTAGE Pirate MID ESD S3	37 - 47

➔ **EXTRA: set of dark grey laces**

VINTAGE ESD S3

ELTEN S3

Waxy cowhide leather with vintage style, fabric lining Bioactive, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, non-metallic, penetration-resistant midsole, TPU/PU sole L10, According to EN ISO 20345 S3 SRC, form A, B

LOW

MID

ESD | ANATOMICAL | SUPER LIGHT | NON MET ALLIC PENETRATION RESISTANCE | SRC SLIP RESISTANCE | zertifiziert gemäß BGR 191 according to | ECO FRIENDLY LEATHER

trevira BIOACTIVE

Order Code	Size
721071 - VINTAGE LOW ESD S3	37 - 47
761071 - VINTAGE MID ESD S3	37 - 47

➔ **EXTRA: set of dark grey laces**

SHADOW ESD S3

ELTEN S3

Cowhide leather, leather lining, padded tongue, steel toe cap, full-length inlay sole ESD PRO beige, non-metallic, penetration-resistant midsole, TPU/PU sole L10, According to EN ISO 20345 S3 SRC, form A, B

LOW

MID

ESD | ANATOMICAL | SUPER LIGHT | NON MET ALLIC PENETRATION RESISTANCE | SRC SLIP RESISTANCE | zertifiziert gemäß BGR 191 according to | ECO FRIENDLY LEATHER

Order Code	Size
721081 - SHADOW LOW ESD S3	37 - 47
761081 - SHADOW MID ESD S3	37 - 47

➔ **EXTRA: set of dark grey laces**

GHOST ESD S3

ELTEN S3

Hydrophobized microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, non-metallic, penetration-resistant midsole, MONO-PU sole L10, According to EN ISO 20345 S2 SRC, form A, Leather free equipment

LOW

MID

Order Code	Size
72071 GHOST LOW ESD S3	37 - 47
76071 GHOST MID ESD S3	37 - 47

SENSATION UP ESD S3

ELTEN S3

Hydrophobized textile material with jeans look / hydrophobized nubuck leather, fabric lining Bioactive, padded tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penet-ration-resistant midsole, TPU/PU sole UP, According to EN ISO 20345 S2 SRC, form A, B

LOW

MID

Order Code	Size
72201 SENSATION UP LOW ESD S3	39 - 47
76201 SENSATION UP MID ESD S3	39 - 47

DELUXE ESD S3

ELTEN S3

Waxy cowhide leather with vintage style, fabric lining for natural ventilation, Full, padded bellows tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, TPU/PU sole UP, According to EN ISO 20345 S3 SRC, form A, B

LOW

MID

Order Code	Size
722081 DELUX LOW ESD S3	39 - 47
762081 DELUX MID ESD S3	39 - 47

STRIKE ESD S2

ELTEN S2

Hydrophobized nubuck leather, fabric lining Bioactive, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole UP, According to EN ISO 20345 S2 SRC, form A, B

LOW

MID

Order Code	Size
72201 STRIKE LOW ESD S2	39 - 47
76201 STRIKE MID ESD S3	39 - 47

BREEZER GREY LOW ESD S1　ELTEN S1

Nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole L10, According to EN ISO 20345 S1 SRC, form A

Order Code	Size
72109 BREEZER GREY LOW ESD S1	37 - 47

BREEZER BLUE LOW ESD S1P　ELTEN S1

Cowhide leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, TPU/PU sole L10, According to EN ISO 20345 S1P SRC, form A

Order Code	Size
721041 BREEZER BLUE LOW ESD S1P	37 - 47

BREEZER BLACK ESD S1P　ELTEN S1

Nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, TPU/PU sole L10, According to EN ISO 20345 S1P SRC, form A

LOW

MID

Order Code	Size
721051 BREEZER BLACK LOW ESD S1P	37 - 47
761051 BREEZER BLACK MID ESD S1	37 - 47

ONYX LOW ESD S2　ELTEN S2

Cowhide leather, leather lining, padded tongue, steel toe cap, full-length inlay sole ESD PRO beige, soft fleece ESD insole, TPU/PU sole L10, According to EN ISO 20345 S2 SRC, form A

Order Code	Size
72112 ONYX LOW ED S2	37 - 47

PHIL EASY ESD S1P

ELTEN S1

Cowhide leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, TPU/PU sole L10, According to EN ISO 20345 S1P SRC, form A

Order Code	Size
72141 PHIL EASY ESD S1P	37 - 47

PURE EASY ESD S1P

ELTEN S1

Microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, MONO-PU sole L10, According to EN ISO 20345 S1 SRC, form A, Leather free equipment

Order Code	Size
72322 PURE EASY ESD S1	37 - 47

MAROON LOW ESD S2

ELTEN S2

Cowhide leather, leather lining, padded tongue, steel toe cap, full-length inlay sole ESD PRO beige, soft fleece ESD insole, TPU/PU sole L10, According to EN ISO 20345 S2 SRC, form A

Order Code	Size
72110 MAROON LOW ESD S2	37 - 47

PURE SLIPPER ESD S2

ELTEN S2

Hydrophobized microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, MONO-PU sole L10, According to EN ISO 20345 S2 SRC, form A, Leather free equipment

Order Code	Size
72141 PHIL EASY ESD S1P	37 - 47

DESPERADO ESD S3 CI

ELTEN **S3**

Waxy cowhide leather with vintage style, Warm lining, padded bellows tongue, steel toe cap, full-length inlay sole ESD, non-metallic, penetration-resistant midsole, RUBBER/PU tread sole Pirate, According to EN ISO 20345 S3 SRC/CI, form B

Order Code	Size
782071 DESPERADO ESD S3 CI	37 - 47

AZUR MID ESD S3

ELTEN **S3**

Cowhide leather, Combination: lacing and fastener, fabric lining Bioactive, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, non-metallic, penetration-resistant midsole, TPU/PU sole L10, According to EN ISO 20345 S3 SRC, form B

Order Code	Size
761021 AZUR MID ESD S3	37 - 47

MISS L10 Collection

WHAT STYLE!

Anything but well-behaved and boring. MISS L10, designed for the fashion-conscious women of today. Sporty and confident, without compromising safety in protection classes S1 to S3. Shoes with the "I want these" factor.

CHECKER Lady Mid ESD S3

ELTEN **S3**

Hydrophobized cowhide leather / hydrophobized textile material CORDURA, leather lining, padded tongue, steel toe cap, full-length inlay sole ESD PRO Lady beige, non-metallic, penetration-resistant midsole, TPU/PU sole MISS L10, According to EN ISO 20345 S3 SRC, form B

Order Code	Size
74231 CHECKER Lady Mid ESD S3	35 - 42

BREEZER Lady black Low ESD S1P

ELTEN S1

Nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO Lady black, non-metallic, penetration-resistant midsole, TPU/PU sole MISS L10, According to EN ISO 20345 S1P SRC, form A

Order Code	Size
74121 BREEZER Lady black Low ESD S1P	35 - 42

SENSATION Lady ESD S2

ELTEN S2

Hydrophobized textile material with jeans look / hydrophobized nubuck leather, fabric lining Bioactive, padded tongue, steel toe cap, full-length inlay sole ESD PRO Lady grey, soft fleece ESD insole, TPU/PU sole MISS L10, According to EN ISO 20345 S2 SRC, form A, B

LOW

MID

Order Code	Size
74106 SENSATION Lady Low ESD S2	35 - 42
74206 SENSATION Lady Mid ESD S2	35 - 42

➔ **EXTRA: set of black laces**

VINTAGE Lady ESD S3

ELTEN S3

Waxy cowhide leather with vintage style, fabric lining Bioactive, padded tongue, steel toe cap, full-length inlay sole ESD PRO Lady grey, non-metallic, penetration-resistant midsole, TPU/PU sole MISS L10, According to EN ISO 20345 S3 SRC, form A, B

LOW

MID

Order Code	Size
74101 VINTAGE Lady ESD S3	35 - 42
74201 VINTAGE Lady ESD S3	35 - 42

➔ **EXTRA: set of dark grey laces**

PURE Lady Easy ESD S1

ELTEN S1

Microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO Lady grey, soft fleece ESD insole, MONO-PU sole MISS L10, According to EN ISO 20345 S1 SRC, form A, Leather free equipment

Order Code	Size
74422 PURE Lady Easy ESD S1	35 - 42

GHOST Lady ESD S3

ELTEN S3

Hydrophobized microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO Lady grey, non-metallic, penetration-resistant midsole, MONO-PU sole MISS L10, According to EN ISO 20345 S2 SRC, form A, Leather free equipment

LOW

MID

Order Code	Size
74171 GHOST Lady Low ESD S3	35 - 42
74271 GHOST Lady Mid ESD S3	35 - 42

VINTAGE Lady black ESD S3

ELTEN S3

Cowhide leather, leather lining, padded tongue, steel toe cap, full-length inlay sole ESD PRO Lady beige, non-metallic, penetration-resistant midsole, TPU/PU sole MISS L10, According to EN ISO 20345 S3 SRC, form A, B

LOW

MID

Order Code	Size
74151 VINTAGE Lady black Low ESD S3	35 - 42
74251 VINTAGE Lady black Mid ESD S3	35 - 42

NOVA-FIT

SCIENTIFICALLY PROVEN TO BE IN GOOD SHAPE

Together with the University of Tübingen, we measured 1,000 female feet. The result is a completely new safety concept for protecting women's feet. NOVA-FIT: a perfect fit, great look and first class protection. Women power made by ELTEN.

NEELE ESD S1

ELTEN S1

Nubuck leather / mesh material, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole NOVA-FIT ESD, Soft fleece ESD insole, TPU/PU sole NOVA-FIT According to EN ISO 20345 S1 SRC, form A, B

LOW

MID

Order Code	Size
74575 NEELE Low ESD S1	35 - 42
74576 NEELE Mid ESD S1	35 - 42

NELLI Easy ESD S1P

ELTEN S1

Nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole NOVA-FIT ESD, non-metallic, penetration-resistant midsole, TPU/PU sole NOVA-FIT
According to EN ISO 20345 S1P SRC, form A

Order Code	Size
74541 NELLI Easy ESD S1P	35 - 42

NELLI ESD S3

ELTEN S3

Hydrophobized nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole NOVA-FIT ESD, non-metallic, penetration-resistant midsole, TPU/PU sole NOVA-FIT
According to EN ISO 20345 S3 SRC, form A, B

LOW

MID

Order Code	Size
74551 NELLI Low ESD S3	35 - 42
74561 NELLI Mid ESD S3	35 - 42

NURIA Easy ESD S1P

ELTEN S1

Microfibre Fashmo™ / textile material Cordura®
fabric lining for natural ventilation, padded tongue, steel toe cap, Full-lenght inlay sole NOVA-FIT ESD, non-metallic, penetration-resistant midsole, TPU/PU sole NOVA-FIT, According to EN ISO 20345 S1P SRC, form A, Leather-free equipment

Order Code	Size
74511 NURIA Easy ESD S1P	35 - 42

Nuria ESD S3

ELTEN S3

Hydrophobized microfibre Fashmo™ / hydrophobized textile material Cordura®, fabric lining for natural ventilation,Full, padded bellows tongue, steel toe cap, Full-lenght inlay sole NOVA-FIT ESD, non-metallic, penetration-resistant midsole, TPU/PU sole NOVA-FIT, According to EN ISO 20345 S3 SRC, form A, B
Leather-free equipment

LOW

MID

Order Code	Size
74521 NURIA Low ESD S3	35 - 42
74531 NURIA Mid ESD S3	35 - 42

NOVA-FEMININ

LADIES FIRST: THE FIRST CHOICE FOR SLIM FEMALE FEET

Women want safety – foot protection that they can rely on, but at the same time they want comfort with a slim woman's fit and style. Many things at once? We've implemented it in the NOVA-FEMININ series.

TAKE A WALK ON THE SAFE SIDE

NORA ESD S1

ELTEN S1

Nubuck leather, leather lining, steel toe cap, full-length inlay sole ESD, soft fleece ESD insole, PU/PU sole NOVA-F According to EN ISO 20345 S1 SRC, form A

Order Code	Size
74409 NORA ESD S1	35 - 42

LEXA ESD S1

ELTEN S1

Hydrophobized nubuck leather / textile material, fabric lining for natural ventilation, padded tongue, steel toe cap, full-lenght inlay sole ESD, sof fleece ESD insole, PU/PU sole Nova-F, According to EN ISO 20345 S1 SRC, form A

Order Code	Size
74020 LEXA ESD S1	35 - 42

KARA BLACK ESD S1

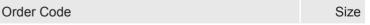**ELTEN S1**

Cowhide leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-lenght inlay sole ESD, soft fleece ESD insole, PU/PU sole Nofa-F, According to EN ISO 20345 S1 SRC, form A

Order Code	Size
74488 KARA BLACK ESD S1	35 - 42

LINDA S3

ELTEN S3

Cowhide leather / hydrophobized nubuck leather, fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap Full-length inlay sole NOVA FIT ESD, Non-metallic, penetration-resistant midsole, PU/PU sole Nova-F, According to EN ISO 20345 S3 SRC, form A

Order Code	Size
44551 LINDA S3	35 - 42

JANA ESD S2

ELTEN S2

Cowhide leather / hydrophobized nubuck leather / textile material, fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap, Full-length inlay sole NOVA FIT ESD, Non-metallic, penetration-resistant midsole, PU/PU sole Nova-F, According to EN ISO 20345 S3 SRC, form A

Order Code	Size
74475 JANA ESD S2	35 - 42

SUSAN ESD S1

ELTEN S1

Microfibre / textile material, fabric lining for natural ventilation, padded tongue, steel toe cap, Full-length inlay sole ESD, soft fleece ESD insole, PU/PU sole Nova-F, According to EN ISO 20345 S1 SRC, form A, Leather free equipment

Order Code	Size
74025 SUSAN ESD S1	35 - 42

LUNA ESD S2

ELTEN S2

Hydrophobized microfiber Fashmo / hydrophobized textile material Cordura, fabric lining for natural ventilation,Full, padded bellows tongue, steel toe cap, Full-length inlay sole ESD, soft fleece ESD insole, PU/PU sole Nova-F, According to EN ISO 20345 S2 SRC, form A, Leather free equipment

Fashmo™
CORDURA®

Order Code	Size
74026 LUNA ESD S2	35 - 42

ERGO-ACTIVE

Foottype 1 Foottype 2 Foottype 3

FOR THOSE WHO LIKE TO BE INDIVIDUAL

There are many foot types. We developed ERGO-ACTIVE together with scientists, so that everybody can have the perfectly fitting safety shoe. Available in sizes 40 to 48. With a multiple-width system and inlay soles in three comfort classes. You just can't get comfortable or more individually adapted to the wearer.

GRANT red Low ESD S1

ELTEN **S1**

Microfibre / textile net inserts, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ERGO ATIVE ESD (as standard medium), soft fleece ESD insole, TPU/PU sole ERGO-ACTIVE with TPU-pivots, According to EN ISO 20345 S1 SRC, form A, Leather-free equipment

Order Code	Size
72252 01 / foottype 1	40 - 48
72252 02 / foottype 2	40 - 48
72252 03 / foottype 3	40 - 48

GRANT blue Low ESD S1

ELTEN **S1**

Microfibre / textile net inserts, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ERGO ATIVE ESD (as standard medium), soft fleece ESD insole, TPU/PU sole ERGO-ACTIVE with TPU-pivots, According to EN ISO 20345 S1 SRC, form A, Leather-free equipment

Order Code	Size
72077 01 / foottype 1	40 - 48
72077 02 / foottype 2	40 - 48
72077 03 / foottype 3	40 - 48

GRANT neon Low ESD S1

ELTEN **S1**

Microfibre / textile net inserts, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ERGO ATIVE ESD (as standard medium), soft fleece ESD insole, TPU/PU sole ERGO-ACTIVE with TPU-pivots, According to EN ISO 20345 S1 SRC, form A, Leather-free equipment

Order Code	Size
72066 01 / foottype 1	40 - 48
72066 02 / foottype 2	40 - 48
72066 03 / foottype 3	40 - 48

GARY ESD S1

ELTEN S1

Oily nubuck leather / textile net inserts, black leather lining, full, padded bellows tongue steel toe cap, full-length inlay sole Ergo-Active ESD (as standard medium), soft fleece ESD insolem TPU/PU sole Ergo-Active with TPU-pivots, According to EN ISO 20345 S1 SRC, form A

Order Code	Size
72072 01 / foottype 1	40 - 48
72072 02 / foottype 2	40 - 48
72072 03 / foottype 3	40 - 48

SAMMY ESD S1

ELTEN S1

Microfibre / mesh material, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ERGO-ACTIVE ESD, (as standard medium), Soft fleece ESD insole TPU/PU sole ERGO-ACTIVE with TPU-pivots, According to EN ISO 20345 S1 SRC, form A

Order Code	Size
7273 01 / foottype 1	40 - 48
7273 02 / foottype 2	40 - 48
7273 03 / foottype 3	40 - 48

ADAM ESD S1

ELTEN S1

Microfibre / mesh material, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ERGO-ACTIVE ESD, (as standard medium), Soft fleece ESD insole TPU/PU sole ERGO-ACTIVE with TPU-pivots, According to EN ISO 20345 S1 SRC, form A, Leather free equipment

Order Code	Size
72384 01 / foottype 1	40 - 48
72384 02 / foottype 2	40 - 48
72384 03 / foottype 3	40 - 48

JAN GREY ESD S1

ELTEN S1

Oily nubuck leather / textile amterial, ELTEN DISTANCE LINING for natural ventilation, full, padded bellows tongue steel toe cap, full-length inlay sole Ergo-Active ESD (as standard medium), antistatic soft fleece ESD insole, TPU/PU sole Ergo-Active with TPU-pivots, According to EN ISO 20345 S1 SRC, form A

Order Code	Size
2572 01 / foottype 1	40 - 48
2572 02 / foottype 2	40 - 48
2572 03 / foottype 3	40 - 48

MATS ESD S2

ELTEN S2

Cowhide leather, ELTEN DISTANCE LINING for natural ventilation, full, padded bellows tongue, steel toe cap, full-length inlay sole ERGO-ACTIVE ESD, soft fleece ESD insole, TPU/PU sole ERGO-ACTIVE with TPU-pivots, According to EN ISO 20345 S2 SRC, form A

Order Code	Size
72154 01 / foottype 1	40 - 48
72154 02 / foottype 2	40 - 48
72154 03 / foottype 3	40 - 48

ROB ESD S3

ELTEN S3

Cowhide leather / textile material, Light leather lining, full, padded bellows tongue, steel toe cap, full-length inlay sole ERGO-ACTIVE ESD, non-metallic, penetration-resistant midsole, TPU/PU sole ERGO-ACTIVE with TPU– pivots, Abrasion– proof toe protection, According to EN ISO 20345 S3 SRC, form B,

Order Code	Size
72471 01 / foottype 1	40 - 48
72471 02 / foottype 2	40 - 48
72471 03 / foottype 3	40 - 48

RUBEN ESD S3

ELTEN S3

Cowhide leather / textile material, Light leather lining, full, padded bellows tongue, steel toe cap, full-length inlay sole ERGO-ACTIVE ESD, non-metallic, penetration-resistant midsole, TPU/PU sole ERGO-ACTIVE with TPU– pivots, Abrasion– proof toe protection, According to EN ISO 20345 S3 SRC, form B,
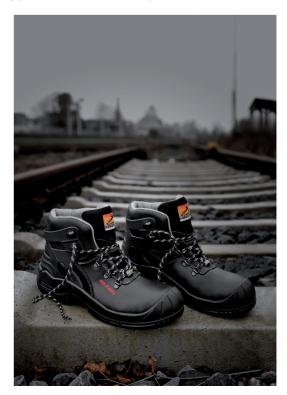
Order Code	Size
76471 01 / foottype 1	40 - 48
76471 02 / foottype 2	40 - 48
76471 03 / foottype 3	40 - 48

BIOMEX PROTECTION

A LICENCE AGAINST TWISTING

The idea: making use of proven technology from the trekking field for daily work requirements – in conjunction with clinical experts. The concept: intelligent twist protection thanks to a cuff that adjusts itself to anatomical ranges of movement without restricting your freedom of mobility

FUSION GTX® S3 CI ELTEN S3

Hydrophobized nubuck leather / textile material Cordura® BIOMEX-PROTECTION© - cuff for the stabilization of the ankle joint GORE-TEX® climate membrane, Full, padded bellows tongue, Steel toe cap, Full-length inlay sole, Antistatic soft fleece insole, Steel midsole, RUBBER/PU sole VIBRAM®, According to EN ISO 20345 S3 SRC/CI/HI/HRO, form B

Order Code	Size
63481 FUSION GTX S3 CI	6,5 - 12

Sizeek

UK	6,5	7	7,5	8	8,5	9	9,5	10	10,5	11	11,5	12
EU	40	41	41,5	42	42,5	43,5	44	44,5	45	46	46,5	47

DINO BLACK S3 ELTEN S3

Cowhide leather / hydrophobized nubuck leather, heat-resistant seams and laces, BIOMEX-PROTECTION—cuff for the stabilization of the ankle joint, GORE-TEX climate membrane, Full, padded bellows tongue, steel toe cap, full-lenght inlay sole ESD PRO black, soft fleece ESD insole, steel midsole, PU/PU tread sole SAFETY-GRIP, PU Toe protection, According to EN ISO 20345 S3 SRC/CI, form B

Order Code	Size
63331 DINO black S3	39 - 47

RENZO BIOMEX GTX ESD S3 CI ELTEN S3

Marhabőr / víztaszító mikroszálas Fashmo™ / nubuk bőr felsőrész, hőálló varrás és cipőfűző, BIOMEX-PROTECTION - merevítő a boka ízületek stabilizálására, szövet bélés, teljesen párnázott nyelv, acél orrmerevítő, PU orrvédelem, teljes hosszában ESD talpbetét, fémmentes, talpátszúrás ellen védelem Talp: PU/PU, Járófelület: Safety-Grip 2, EN ISO 20345 S3 SRC, B szerint

Order Code	Size
763421 RENZO BIOMEX ESD S3	36 - 50
1763421 (Külső talp: Gumi/PU, Járófelület: Safety-Grip 2)	36 - 39
2763421 (Külső talp: Gumi/PU, Járófelület: Safety-Grip 2)	49 - 50

RENZO BIOMEX ESD S3 ELTEN S3

Cowhide leather / nubuck leather, heat-resistant seams and laces, BIOMEX-PROTECTION—cuff for the stabilization of the ankle joint, fabric lining for natural ventilation, Full, padded bellows tongue, steel toe cap, full-lenght inlay sole ESD PRO black, non-metallic, penetration-resisntant midsole, PU/PU tread sole SAFETY-GRIP, PU Toe protection, According to EN ISO 20345 S3 SRC, form B
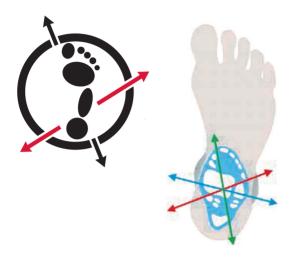
Order Code	Size
763421 RENZO BIOMEX ESD S3	36 - 50
1763421 (Külső talp: Gumi/PU, Járófelület: Safety-Grip 2)	36 - 39
2763421 (Külső talp: Gumi/PU, Járófelület: Safety-Grip 2)	49 - 50

BIOMEX PROTECTION

More than half of all foot injuries are sprains, dislocations or ligament injuries. With BIOMEX PROTECTION© you support the ankle in its natural movement and so protect it against this risk. Because BIOMEX PROTECTION© shoe systems are based on the movement of the anatomical axes of the ankles. With BIOMEX PROTECTION©, unlike with other ankle protection systems, the shoe stays pleasantly light and flexible.

Anatomically, when the knee is bent, the knee joints move inwards towards the middle of the body. BIOMEX upper technology is based on the adaptation of the shoe leg axis to the functional movement axis of the lower leg. The shoe is enclosed in a flexible plastic cuff with an axis set at an angle. This asymmetrical cuff shifts the pivot point on the outside of the shoe forwards and that on the inside backwards. This causes the lever effect of the forefoot on the outer ligaments to be reduced and the ligaments are protected by the cuff. Shoes by ELTEN with BIOMEX PROTECTION© maintain their support permanently, as the typical wrinkling occurring in the ankles area is avoided.

⇒ Biomechanical construction
⇒ Optimum protection for the ankle joints
⇒ Stirrup technique for high stability
⇒ Light plastic material
⇒ High flexibility while walking or kneeling
⇒ Great wearing comfort

RUNNERS

GOOD TIMES, SAFE TIMES

Lightweight and flexible as trainers; for "marathon runners" at work: RUNNERS – stylish comfort combined with reliable foot protection. The front-runner for people who go a long way every day

RACER S1   ELTEN S1

Textile material / reflective material, fabric lining for natural ventilation, full, padded bellows tongue, composite toe cap, full-length inlay sole, antistatic soft fleece insole, RUBBER/EVA sole VIBRAM, According to EN ISO 20345 S1, form A, Leather-free equipment, composite toe cap

| REFLECTIVE MATERIAL | SUPER LIGHT | COMPOSITE TOE CAP | vibram® |

Order Code	Size
2007 RACER S1	39 - 47

WINNER S2   ELTEN S2

Hydrophobized microfibre Fashmo / hydrophobized textile material Cordura, Fabric lining for natural ventilation, full, padded bellows tongue, composite toe cap, Full-length inlay sole, antistatic soft fleece insole, RUBBER/EVA sole VIBRAM, According to EN ISO 20345 S2, form A, metal and leather free equipment

| SUPER LIGHT | NON METALLIC | COMPOSITE TOE CAP | vibram® Fashmo CORDURA® |

Order Code	Size
2020 WINNER S2	36 - 48

TRAINERS

THE STRATEGY FOR MAXIMUM PERFORMANCE

Safety shoes really can be this trendy. A sporty design, great comfort and lightweight construction, but still a safety equipment which leaves nothing to be desired. Also including certification by DGUV rule 112-191 so that orthopaedic modifications can be made without losing time

INSPIRE ESD S1

ELTEN S1

Microfibre / textile material, fabric lining for natural ventilation, padded tongue, steel toe cap, full-lenth inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole TRAINERS, According to EN ISO 20345 S1 SRC, form A, Leather-free equipment

Order Code	Size
72130 INSPIRE ESD S1	39 - 48

EASY BLUE ESD S1

ELTEN S1

Microfibre / textile material, fabric lining for natural ventilation, padded tongue, steel toe cap, full-lenth inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole TRAINERS, According to EN ISO 20345 S1 SRC, form A, Leather-free equipment

Order Code	Size
72178 EASY blue ESD S1	39 - 48

STEPHEN ESD S1

ELTEN S1

Nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-lenth inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole TRAINERS, According to EN ISO 20345 S1 , form A,

Order Code	Size
72138 STEPHEN ESD S1	40 - 48

SUNNY ESD S1

ELTEN S1

Nubuck leather / textile net inserts, Elastic lacing system with individual quick locking system, fabric lining for natural ventilation, padded tongue, steel toe cap, full-lenth inlay sole ESD PRO black, soft fleece ESD insole, TPU/PU sole TRAINERS, According to EN ISO 20345 S1 , form A,

Order Code	Size
72825 SUNNY ESD S1	39 - 48

MOTION ESD S2

ELTEN S2

Hydrophobized microfibre FASHMO / hydrophobized textile material Cordura, fabric lining for natural ventilation, padded tongue, composite toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD Insole, TPU/PU sole TRAINERS, According to EN ISO 20345 S2 SRC, form A, metal and leather free equipment,

LOW

MID

ESD | ANATOMICAL | SUPER LIGHT | NON METALLIC | COMPOSITE TOE CAP | SRC SLIP RESISTANCE | DGUV REGEL 112-191

CORDURA Fashmo

Order Code	Size
72182 - MOTION LOW ESD S2	38 - 47
76182 - MOTION MID ESD S2	38 - 47

MOTION AIR ESD S1

ELTEN S1

Microfibre / mesh material, fabric lining for natural ventilation, padded tongue, composite toe cap, full-length inlay sole ESD PRO black, soft fleece ESD Insole, TPU/PU sole TRAINERS, According to EN ISO 20345 S1 SRC, form A, metal and leather free equipment,
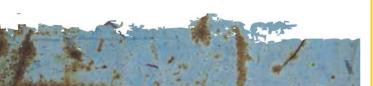
ESD | ANATOMICAL | SUPER LIGHT | NON METALLIC | COMPOSITE TOE CAP | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
72170 MOTION AIR ESD S1	38 - 47

SCOTT ESD S1P

ELTEN S1

Microfibre / textile material, Fabric lining for natural ventilation, padded tongue, composite toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, TPU/PU sole TRAINERS, TPU toe protection, According to EN ISO 20345 S1P SRC, form A, Metal and leather free equipment,

ESD | ANATOMICAL | REFLECTIVE MATERIAL | SUPER LIGHT | NON METALLIC | COMPOSITE TOE CAP | PENETRATION RESISTANCE | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
72121 SCOTT ESD S1P	38 - 47

SCOTT Pro ESD S1P

ELTEN S1

Microfibre / textile material, Fabric lining for natural ventilation, padded tongue, composite toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, TPU/PU sole TRAINERS, TPU toe protection, According to EN ISO 20345 S1P SRC, form A, Metal and leather free equipment,

ESD | ANATOMICAL | REFLECTIVE MATERIAL | SUPER LIGHT | NON METALLIC | COMPOSITE TOE CAP | PENETRATION RESISTANCE | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
726661 SCOTT Pro ESD S1P	38 - 47

SENEX ESD S3

ELTEN S3

Hydrophobized microfibre FASHMO / hydrophobized textile material Cordura, fabric lining for natural ventilation, padded tongue, composite toe cap, full-length inlay sole ESD PRO black, soft fleece ESD Insole, TPU/PU sole TRAINERS, According to EN ISO 20345 S3 SRC, form A, metal and leather free equipment,

CORDURA® Fashmo™

Order Code	Size
728321 SENEX ESD S3	35 - 47
1728321 (Külső talp: TPU/PU, Talp: SPORTICS)	35 - 37

SENEX Pro ESD S3

ELTEN S3

Hydrophobized microfibre FASHMO / hydrophobized textile material Cordura, fabric lining for natural ventilation, padded tongue, composite toe cap, full-length inlay sole ESD PRO black, soft fleece ESD Insole, TPU toe protection, TPU/PU sole TRAINERS, According to EN ISO 20345 S3 SRC, form A, metal and leather free equipment,

CORDURA® Fashmo™

Order Code	Size
726771 SENEX Pro ESD S3	35 - 47

SANDER ESD S3

ELTEN S3

Hydrophobized microfibre FASHMO / hydrophobized textile material Cordura, fabric lining for natural ventilation, full, padded bellows tongue, composite toe cap, full-length inlay sole ESD PRO black, soft fleece ESD Insole, TPU/PU sole TRAINERS, According to EN ISO 20345 S3 SRC, form A, metal and leather free equipment,

CORDURA® Fashmo™

Order Code	Size
768321 SANDER ESD S3	35 - 47
1768321 (Külső talp: TPU/PU, Talp: SPORTICS)	35 - 37

SANDER Pro ESD S3

ELTEN S3

Hydrophobized microfibre FASHMO / hydrophobized textile material Cordura, fabric lining for natural ventilation, full, padded bellows tongue, composite toe cap, full-length inlay sole ESD PRO black, soft fleece ESD Insole, TPU toe protection, TPU/PU sole TRAINERS, According to EN ISO 20345 S3 SRC, form A, metal and leather free equipment,

CORDURA® Fashmo™

Order Code	Size
766771 SANDER Pro ESD S3	35 - 47

SID ESD S3

ELTEN S3

Hydrophobized microfibre / hydrophobized textile material, fabric lining for natural ventilation, full, padded bellows tongue, composite toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resisntant midsole, Ambrasion-proof toe protection, TPU/PU sole TRAINERS, According to EN ISO 20345 S3 SRC, form A, metal and leather free equipment,

ESD | ANATOMICAL | SUPER LIGHT | NON METALLIC | COMPOSITE TOE CAP | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
72131 SID ESD S3	38 - 47

NEIL ESD S3

ELTEN S3

Cowhide leather / hydrophobized nubuck leather / textile material , fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resisntant midsole, TPU toe protection, TPU/PU sole TRAINERS, According to EN ISO 20345 S3 SRC, form A,

ESD | ANATOMICAL | REFLECTIVE MATERIAL | PENETRATION RESISTANCE | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
768781 NEIL ESD 3	40 - 48

NICK ESD S3

ELTEN S3

Cowhide leather / hydrophobized nubuck leather / textile material , fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resisntant midsole, TPU toe protection, TPU/PU sole TRAINERS, According to EN ISO 20345 S3 SRC, form A,

ESD | ANATOMICAL | REFLECTIVE MATERIAL | PENETRATION RESISTANCE | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
728781 NICK ESD S3	40 - 48

TRIBUTE black Low ESD S2

ELTEN S2

Hydrophobized textile material CORDURA, fabric lining for natural ventilation, padded tongue, composite toe cap, full length inlay sole ESD PRO black, soft fleece ESD insole, TPU/PU sole TRAINERS, according to EN ISO 20345 S2 SRC, form A, leather-free equipment

ESD | ANATOMICAL | SRC SLIP RESISTANCE | DGUV REGEL 112-191 | **CORDURA**

Order Code	Size
72622 TRIBUTE black Low ESD S2	40 - 48

SPORTICS

MOBILITY IS TRUMPS

Real professional athletes: weight is reduced exactly to the gramme, ergonomically dynamic thanks to the sporty profiled outsole and equipped with the best protection against slipping and other dangers. Just perfect for the daily contest with the challenges of the job.

SANDER ESD S2

ELTEN S2

Hydrophobized microfibre Fashmo / hydrophobized textile material Cordura, fabric lining for natural ventilation, full, padded bellows tongue, composite toe cap, full-length inlay sole ESD PRO black, soft fleece ESD insole, TPU/PU sole SPORTICS, according to EN ISO 20345 S2 SRC, form B, metal and leather free equipment

Order Code	Size
76832 SANDER ESD S2	35 - 47

SENEX ESD S2

ELTEN S2

Hydrophobized microfibre Fashmo / hydrophobized textile material Cordura, fabric lining for natural ventilation, full, padded bellows tongue, composite toe cap, full-length inlay sole ESD PRO black, soft fleece ESD insole, TPU/PU sole SPORTICS, according to EN ISO 20345 S2 SRC, form B, metal and leather free equipment

Order Code	Size
72832 SENEX ESD S2	35 - 47

SKY GREY-YELLOW ESD S1

ELTEN S1

Nubuck leather / mesh material, fabric lining for natural ventilation, full, padded bellows tongue, composite toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole SPORTICS, according to EN ISO 20345 S1 SRC, form A, metal-free equipment

Order Code	Size
72826 SKY GREY-YELLOW ESD S1	39 - 47

SCOTT ESD S1

ELTEN S1

Microfibre / textile material, fabric lining for natural ventilation, apdded tongue, composite toe cap, full-length inlay sole ESD PRO black, soft fleee ESD insole, TPU/PU sole SPORTICS, According to EN ISO 20345 S1 SRC, form A, Metal and leather free equipment

Order Code	Size
72129 SCOTT ESD S1	35 - 47

CLASSIC-LINE

QUALITY NEVER GOES OUT OF STYLE

A real classic that has set the benchmark for years: without compromises in workmanship and safety. A timeless design and fit. And it's great value for money, that's for sure.

LASLO ESD S1P

ELTEN S1

Cowhide leather / textile material / microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration– resistant midsole, PU/PU sole, According to EN ISO 20345 S1P SRC, form A

Order Code	Size
723291 LASLO ESD S1P	39 - 50

LEN S3

ELTEN S3

Cowhide leather / oily nubuck leather / microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole b-dynamic, non-metallic, penetration– resistant midsole, PU/PU sole, According to EN ISO 20345 S3 SRC, form A

Order Code	Size
26231 LEN S3	39 - 50

LEN ESD S2

ELTEN S2

Cowhide leather / oily nubuck leather / microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO Black, soft fleece ESD insole, PU/PU sole, According to EN ISO 20345 S2 SRC, form A

Order Code	Size
72623 LEN ESD S2	39 - 47

LEN ESD S3 STEEL

ELTEN S3

Cowhide leather / oily nubuck leather / microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO Black, soft fleece ESD insole, PU/PU sole, According to EN ISO 20345 S3 SRC, form B

Order Code	Size
766241 LEN ESD S3 STEEL	39 - 52
2766251 fémmentes, talpátszúrás elleni védelem	51 - 52

LEX S3

ELTEN S3

Cowhide leather / oily nubuck leather / microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole b-dynamic, non-metallic, penetration resistant midsole, PU/PU sole, According to EN ISO 20345 S3 SRC, form B

ANATOMICAL | AIRSYSTEM ABSORPTION SYSTEM | REFLECTIVE MATERIAL | NON METALLIC PENETRATION RESISTANCE | SRC SLIP RESISTANCE | DGUV REGEL 112-191 | ELTEN b-dynamic the dynamic walking system

Order Code	Size
66231 LEX S3	39 - 50

LEX ESD S2   ELTEN S2

Cowhide leather / oily nubuck leather / microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO Black, soft fleece ESD insole, PU/PU sole, According to EN ISO 20345 S3 SRC, form B

ESD | ANATOMICAL | AIRSYSTEM ABSORPTION SYSTEM | REFLECTIVE MATERIAL | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
76623 LEX ESD S2	39 - 47

LEX ESD S3 STEEL   ELTEN S3 ESD

Cowhide leather / oily nubuck leather / microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO Black, soft fleece ESD insole, PU/PU sole, According to EN ISO 20345 S3 SRC, form A

ESD | ANATOMICAL | REFLECTIVE MATERIAL | AIRSYSTEM ABSORPTION SYSTEM | NON METALLIC PENETRATION RESISTANCE | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
766241	39 - 52
2766251 fémmentes, talpátszúrás elleni védelem	51 - 52

MEN AT WORK

IT'S FINALLY MONDAY

There are some work shoes that don't require many words. Because their resilient quality speaks for itself. Because they have been put to the test thousands of times. And because they are so comfortable that even after a long, hard week you are already looking forward to the next.

PETER ESD S1   ELTEN S1

Cowhide leather / nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, PU/PU sole, according to EN ISO 20345 S1 SRC, form A

ESD | ANATOMICAL | AIRSYSTEM ABSORPTION SYSTEM | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
72495 PETER ESD S1	39 - 50

BASTIAN ESD S2   ELTEN S2

Cowhide leather / nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, PU/PU sole, according to EN ISO 20345 S1 SRC, form A

LOW

MID

ESD | ANATOMICAL | AIRSYSTEM ABSORPTION SYSTEM | REFLECTIVE MATERIAL | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
72058 - BASTIAN LOW ESD S2	39 - 50
76058 - BASTIAN MID ESD S2	39 - 50

BRUNO S2

ELTEN S2

Cowhide leather / hydrophobized nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole Basic red, antistatic soft fleece ESD insole, PU/PU sole, according to EN ISO 20345 S1 SRC, form A

Order Code	Size
2478 BRUNO S2	39 - 50

BEN S2

ELTEN S2

Cowhide leather / hydrophobized nubuck leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole Basic red, antistatic soft fleece ESD insole, PU/PU sole, according to EN ISO 20345 S1 SRC, form B

Order Code	Size
6758 BEN S2	39 - 50

SAFETY GRIP

RENZO LOW ESD S2

ELTEN S2

NEVER LOSING GROUND BELOW YOUR FEET

With this sole design, you're better prepared for tough jobs. The thick tread with grooves perfectly matches the natural rolling of the foot. For more stability and less fatigue – on all surfaces, and in all weathers.

Order Code	Size
726842 - RENZO LOW ESD S2	36 - 50
726862 - RENZO XW (széles lábra)	36 - 50
726882 - RENZO XXW (extra széles lábra)	36 - 50

TOBY ESD S3 HI

ELTEN S3

Cowhide leather, fabric lining for natural ventilation, full padded bellows tongue, steel toe cap, full-lenght inlay sole ESD PRO black, soft fleece ESD insole, steel midsole, RUBBER-PU sole SAFETY-GRIP, according to EN ISO 20345 S3 SRC/HI/HRO, form B

LOW

MID

Order Code	Size
72061 - LOW ESD S3	39 - 48
76061 - MID ESD S3	39 - 48

TILL ESD S3 HI

ELTEN S3

Németül van.

LOW

MID

Order Code	Size
721191 - LOW ESD S3	36 - 48
1721191 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	36 - 38
761191 - MID ESD S3	39 - 48
1761191 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	36 - 38

RENZO ESD S2 / S3

ELTEN S3

Cowhide leather, fabric lining for natural ventilation, full padded bellows tongue, steel toe cap, full-lenght inlay sole ESD PRO black, soft fleece ESD insole, steel midsole, PU/PU sole SAFETY-GRIP, PU toe protection   according to EN ISO 20345 S2 SRC, form B

LOW

MID

Order Code	Size
725841 - LOW ESD S3	36 - 50
725861 - XW Low ESD S3 (széles lábra)	36 - 50
725881 - XXW Low ESD S3 (extra széles lábra)	36 - 50
1725841 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	36 - 39
2725841 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	49 - 50

Rendelési kód	Size
765841 - MID ESD S3	36 - 50
765861 - XW MID ESD S3 (széles lábra)	36 - 50
765881 - XXW MID ESD S3 (extra széles lábra)	36 - 50
1765841 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	36 - 39
2765841 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	49 - 50

RENZO GLASS S3 CR

ELTEN S3

Safety boot for protection against sharp-edged materials, Cowhide leather, cut resistant interlining, fabric lining for natural ventilation, full padded bellows tongue, steel toe cap, full-lenght inlay sole Basic grey, antistatic soft fleece ESD insole, steel midsole, RUBBER-PU sole SAFETY-GRIP, PU toe protection according to EN ISO 20345 S3 SRC/HI/HRO, form B

Order Code	Size
67471 RENZO GLASS S3 CR	39 - 47

RENZO GTX® PU S3 CI

ELTEN S3

Cowhide leather, GORE-TEX climate membrane, full padded bellows tongue, steel toe cap, full-lenght inlay sole Basic grey, antistatic soft fleece ESD insole, steel midsole, PU/PU sole SAFETY-GRIP, PU toe protection   according to EN ISO 20345 S2 SRC, form B

Order Code	Size
65451 RENZO GTX PU S3 CI	40 - 48

WILL S3 CI

ELTEN S3

Cowhide leather, winter lining 50%wool, 30%polyester, 20% polyacrylics, steel toe cap, full-lenght fleece inlay sole, antistatic soft fleece insole, steel midsole, PU/PU tread sole SAFETY-GRIP, PU toe protection according to EN ISO 20345 S2 SRC/CI, form C

ANATOMICAL | REFLECTIVE MATERIAL | TOP GRIP | PENETRATION RESISTANCE | COLD INSULATED | SRC SLIP RESISTANCE | BGR 191

Order Code	Size
86771 WILL S3 CI	36 - 50
186771 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	36 - 39
286771 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	49 - 50

CUT RESISTANCE

CR CUT RESISTANT

A cut-resistant interlining stops materials with sharp edges from reaching the foot. The material consists of the following traits: shape-retaining, high tear.resistance and large flexibility. The result is cut-resistance and high-protective effects against mechanical risks.

RENZO WINTER S3 CI

ELTEN S3

Cowhide leather, woven lambskin 100% virgin wool in the pile, steel toe cap, full-lenght fleece inlay sole, non-metallic, penetration-resistant mindsole, PU/PU tread sole SAFETY-GRIP, PU toe protection according to EN ISO 20345 S3 SRC/CI, form C

ANATOMICAL | REFLECTIVE MATERIAL | TOP GRIP | NON METALLIC PENETRATION RESISTANCE | COLD INSULATED | SRC SLIP RESISTANCE | BGR 191

Order Code	Size
65741 RENZO Winter S3 CI	36 - 50
165741 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	36 - 39
265741 (Külső talp: Gumi/PU, Járófelület: SAFETY-GRIP 2)	49 - 50

THORE Easy ESD S1P

ELTEN S1

Cowhide leather, fabric lining for natural ventilation, padded tongue, steel toe cap, full-lenght fleece inlay sole ESD PRO black, soft fleece insole, steel midsole, MONO-PU sole SAFETY-GRIP, PU toe protection according to EN ISO 20345 S1P SRC, form A

ESD | ANATOMICAL | REFLECTIVE MATERIAL | TOP GRIP | PENETRATION RESISTANCE | SRC SLIP RESISTANCE | DGUV REGEL 112-191

Order Code	Size
722841 THORE Easy ESD S1P	39 - 48

JORIS GTX® S3 CI

ELTEN S3

Cowhide leather / hydrophobized nubuck leather, GORE-TEX climate membrane, full padded bellows tongue, steel toe cap, full-lenght inlay sole Basic grey, antistatic soft fleece insole, steel midsole, RUBBER/PU thread sole SAFETY-GRIP, PU toe protection, according to EN ISO 20345 S3 SRC/CI/HI/HRO, form C
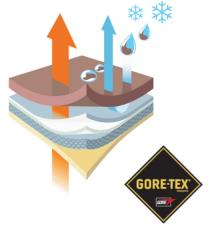
ANATOMICAL	REFLECTIVE MATERIAL	TOP GRIP	STEEL PENETRATION RESISTANCE	CI COLD INSULATED	SRC SLIP RESISTANCE	CI COLD INSULATED	HI HEAT INSULATED

HRO HEAT RESISTANT OUTSOLE · GORE-TEX · zertifiziert gemäß BGR 191 according to

Order Code	Size
68461 JORIS GTX S3 CI	39 - 48

TÉLI MEMBRÁN

Shoes a GORE-TEX membrane permanently protect your feet against moisture, are extremely breathable and provide optimale climate comfort control. Shoes made with GORE-TEX Insulated Comfort are particularly good for use in rain, snow and cold temperature. With maximal heat insulation the foot will remain warm.

GORE-TEX®

LUTZ S3 HI

ELTEN S3

Cowhide leather / nubuck leather, seams made from heat-resistant Nomex thread, fabric lining for natural ventilation, full padded bellows tongue, steel toe cap, full-lenght inlay sole Basic grey antistatic soft fleece insole, steel midsole, RUBBER/PU thread sole SAFETY-GRIP, PU toe protection, according to EN ISO 20345 S3 SRC/CI/HI/HRO, form B
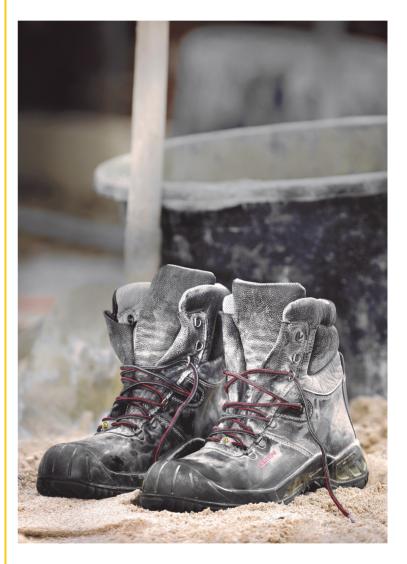
ANATOMICAL	REFLECTIVE MATERIAL	TOP GRIP	STEEL PENETRATION RESISTANCE	SRC SLIP RESISTANCE	CI COLD INSULATED	HI HEAT INSULATED	HRO HEAT RESISTANT OUTSOLE

ORTHOPÄDISCHER FUSSSCHUTZ DGUV REGEL 112-191 ORTHOPEDIC FOOT PROTECTION

Order Code	Size
60561	38 - 50

RENZO D3O® MID S3

ELTEN S3

Cowhide leather, fabric lining for natural ventilation, full padded bellows tongue, steel toe cap, full-lenght inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, PU/PU thread sole SAFETY-GRIP, PU toe protection, according to EN ISO 20345 S3 SRC, form A

ANATOMICAL	REFLECTIVE MATERIAL	TOP GRIP	METATARSAL PROTECTION	STEEL PENETRATION RESISTANCE	SRC SLIP RESISTANCE	HRO HEAT RESISTANT OUTSOLE

ORTHOPÄDISCHER FUSSSCHUTZ DGUV REGEL 112-191 ORTHOPEDIC FOOT PROTECTION

D3O® IMPACT PROTECTION

Order Code	Size
65461 RENZO D30 MID S3	39 - 48

RIGGER BOOT ESD S3 CI

ELTEN S3

Cowhide leather, warm lining, steel toe cap, full-length warm non-woven ESD inlay sole, Non-metallic, penetration-resistant midsole, PU/PU tread sole SAFETY-GRIP, PU Toe protection, According to EN ISO 20345 S3 SRC/CI, form C

| ESD | ANATOMICAL | TOP GRIP | STEEL PENETRATION RESISTANCE | SRC SLIP RESISTANCE | CI COLD INSULATED | DGUV REGEL 112-191 | | ECO FRIENDLY LEATHER |

Order Code	Size
78671 RIGGER BOOT ESD S3 CI	36 - 50

RENZO S High ESD S3 HI

ELTEN S2

Cowhide leather, fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap, full-length inlay sole ESD PRO black, steel midsole, RUBBER/PU tread sole SAFETY-GRIP, PU toe protection, According to EN ISO 20345 S3 SRC/HI/HRO, form C

| ESD | ANATOMICAL | REFLECTIVE MATERIAL | TOP GRIP | NON METALLIC PENETRATION RESISTANCE | SRC SLIP RESISTANCE | HI HEAT INSULATED | HRO HEAT RESISTANT OUTSOLE |

Order Code	Size
764751 - RENZO S High ESD S3 HI	36 - 50

SAFE. NO MATTER WHAT HAPPENS

Heat, drops of molten metal, splinters or edges that are as sharp as knives: None of these are a problem if you trust in ELTEN SPECIALS. High-tech and with the greatest shoemaker skills. For the most demanding challenges and toughest jobs.

CARL S3 HI

ELTEN S3

Cowhide leather, quick-fastener, individual strap adjustment by means of an extra buckle, heat resistant seams, leather lining, full, padded bellows tongue, steel toe cap, full-length inlay sole basic grey, steel midsole, RUBBER/PU tread sole SAFETY-GRIP, PU toe protection, According to EN ISO 20345 S3 SRC/HI/HRO, form B

Order Code	Size
64461 CARL S3 HI	39 - 48

ANDERSON Roof S3 HI

ELTEN S3

Cowhide leather, practical buckel for an individual fit of the foot in the shoe, seams made from heat-resistant Normex thread, Leather lining, padded protective collar, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, RUBBER/PU sole SKY, PU toe protection, According to EN ISO 20345 S3 SRC/HI/HRO, form B

Order Code	Size
66071 ANDERSON Roof S3 HI	39 - 48

ANDERSON Loop S3 HI

ELTEN S3

Cowhide leather, seams made from heat-resistant Normex thread, Leather lining, full, padded bellows tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, RUBBER/PU sole SKY, PU toe protection, According to EN ISO 20345 S3 SRC/HI/HRO, form B

Order Code	Size
66081 ANDERSON Loof S3 HI	40 - 48

KARLSON Roof S3 HI

ELTEN S3

Cowhide leather, two practical buckles for an individual fit of the foor in the shoe, Leather lining, padded protective collar, full bellows tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, RUBBER/PU sole ROOFER, PU toe protection, According to EN ISO 20345 S3 SRC/HI/HRO, form B

Order Code	Size
64051 KARLSON Roof S3 HI	39 - 47

KARLSON Loop S3 HI

ELTEN S3

Cowhide leather, laces made from heat-resistant Nomex, Leather lining, padded protective collar, full bellows tongue, steel toe cap, full-length inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, RUBBER/PU sole ROOFER, PU toe protection, According to EN ISO 20345 S3 SRC/HI/HRO, form B

Order Code	Size
65061 KARLSON Loop S3 HI	39 - 47

LUIS S3 HI

ELTEN S3

Cowhide leather fire resistant, Fastening: combination of an elastic lace and a hook-and-pile fastener, heat resistant seams, spark guard cuff, leather lining, full padde bellows tongue, steel toe cap, full-length inlay sole, non-metallic, penetration-resistant midsole, RUBBER/PU tread sole SAFETY GRIP, PU toe protection, According to EN ISO 20349 S3 SRC/HI/HRO/FE/Al, form C

Order Code	Size
8771 LUIS S3 HI	38 - 50

CALVIN S3 HI

ELTEN S3

Cowhide leather fire resistant, quick fastener, individual strap adjustment, heat resistant seams, spark guard cuff, leather lining, full padde bellows tongue, steel toe cap, full-length inlay sole, non-metallic, penetration-resistant midsole, RUBBER/PU tread sole SAFETY GRIP, PU toe protection, According to EN ISO 20349 S3 SRC/HI/HRO/FE/Al, form C

Order Code	Size
8681 CALVIN S3 HI	40 - 48

STAN S3 HI

ELTEN S3

Cowhide leather—fire resistant, leather lining, heat-resistant seams, steel toe cap, full-lenght inlay sole, non-metallic, penetration-resistant midsole, rubber tread sole STEINAU, According to EN ISO 20349 HI/HRO/Fe/Al, form C

Order Code	Size
8651 STAN S3 HI	39 - 48

GEORGE Loop S3 HI

ELTEN S3

Cowhide leather, seams and laces made from heat resistant Nomex thread, fabric lining for natural ventilation, full, padded bellows tongue, full-lenght inlay sole ESD PRO black, non-metallic, penetration-resistant midsole, rubber tread sole STEINAU, According to EN ISO 20345 HI/HRO/ form C

Order Code	Size
65841 GEORGE S3 HI	39 - 48

ERIC S3 CI

ELTEN S3

Cowhide leather, Wuick fastener, indiidual strap adjustment by means of an extra buckle, heat resistant seams, leather lining, full bellows tongue, padded spark guard cuff, steel toe cap, full-length inlay sole basic grey, antistatic soft fleece insole, steel midsole, RUBBER/PU tread sole SAFETY-GRIP, PU Toe protection, According to EN ISO 20345 S3 SRC/HI/HRO, form B

Order Code	Size
86541 ERIC S3 CI	38 - 48

ARBORIST GTX S3 CI

ELTEN S3

Cowhide leather, Wuick fastener, indiidual strap adjustment by means of an extra buckle, heat resistant seams, leather lining, full bellows tongue, padded spark guard cuff, steel toe cap, full-length inlay sole basic grey, antistatic soft fleece insole, steel midsole, RUBBER/PU tread sole SAFETY-GRIP, PU Toe protection, According to EN ISO 20345 S3 SRC/HI/HRO, form B

Order Code	Size
88781 ARBORIST GTX S3 CI	40 - 48

WHITE

NOT JUST BRILLIANT WHITE, BUT SAFE AS WELL

Comfortable, safe and lily-white. The ELTEN WHITE styles have everything you need for a brilliant look – durably. Thanks to their microfibre upper material, they are extremely easy to clean. What do we call this? A clean-cut affair

WHITE Easy Low ESD S1

ELTEN S1

Hydrophobized microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, MONO-PU sole SAFETY GRIP, according to EN ISO 20345 S1 SRC, form A

Order Code	Size
72498 WHITE Easy Low ESD S1	39 - 48

WHITE Slipper Low ESD S2

ELTEN S2

Hydrophobized microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, MONO-PU sole SAFETY GRIP, according to EN ISO 20345 S2 SRC, form A

Order Code	Size
72498 WHITE Slipper Low ESD S2	39 - 48

WHITE Loop Low ESD S2

ELTEN S2

Hydrophobized microfibre, fabric lining for natural ventilation, padded tongue, steel toe cap, full-length inlay sole ESD PRO grey, soft fleece ESD insole, MONO-PU sole SAFETY GRIP, according to EN ISO 20345 S2 SRC, form A, B

LOW

MID

Order Code	Size
72015 WHITE Loop Low ESD S2	39 - 50
72016 WHITE Loop Mid ESD S2	39 - 48

WHITE Strap Low ESD S3

ELTEN

Hydrophobized mikrofaser, fabric lining for natural ventilation, full, padded bellows tongue, steel toe cap, full-length inlay sole ESD PRO grey, non-metallic, penetration-resistant midsole, MONO-PU sole SAFETY GRIP, according to EN ISO 20345 S2 SRC, form A, B

LOW 3

MID

Order Code	Size
720171 WHITE Strap Low ESD S3	39 - 48
760171 WHITE Strap Mid ESD S3	39 - 48

BUSINESS

PARQUET FLOOR OR CONCRETE? BE SAFE ON BOTH!

You've just been to the management offices, now you're in the production hall. These multi-talented shoes are as versatile as your tasks. Good for business: fine cowhide leather. First class foot protection: the unbeatable safety equipment.

RONNY ESD S3

ELTEN S3

Cowhide leather, leather lining, padded tongue, steel toe cap, full-length inlay sole ESD, soft fleece ESD insole, MONO-PU sole, According to EN ISO 20345 S2, form A

Order Code	Size
726951 RONNY ESD S3	35 - 47
1726951 Talp: TPU/PU SPORTICS	35 - 37

ADVISER LOW ESD S2/S3

ELTEN S2 S3

Cowhide leather, leather lining, padded tongue, steel toe cap, full-length inlay sole ESD, soft fleece ESD insole, MONO-PU sole BUSINESS, According to EN ISO 20345 S2, form A, B

MID

LOW

Order Code	Size
71306 - LOW ESD S2	40 - 48
71301 - LOW ESD S3	40 - 48
76301 - MID ESD S3	40 - 48

OFFICER XW ESD O2

ELTEN S2

Cowhide leather, light leather lining, padded tongue, steel toe cap, full-length inlay sole ESD, soft fleece ESD insole, MONO-PU sole BUSINESS According to EN ISO 20345 S2, form A

Order Code	Size
972307 OFFICER XW ESD O 2	40 - 48

OFFICER ESD S2

ELTEN S2

Cowhide leather, light leather lining, padded tongue, steel toe cap, full-length inlay sole ESD, soft fleece ESD insole, MONO-PU sole BUSINESS According to EN ISO 20345 S2 SRC, form A

Order Code	Size
71307 OFFICER ESD S2	40 - 48
72307 - TYPE XW szélesebb lábra	40 - 48

OFFICER XW brown ESD S2

ELTEN S2

Cowhide leather, light leather lining, padded tongue, steel toe cap, full-length inlay sole ESD, soft fleece ESD insole, MONO-PU sole BUSINESS According to EN ISO 20345 S2 SRC, form A

Order Code	Size
72317 OFFICER XW brown ESD S2	40 - 48

OFFICER Lady ESD S2

ELTEN S2

Cowhide leather, light leather lining, padded tongue, steel toe cap, full-length inlay sole ESD, soft fleece ESD insole, MONO-PU sole BUSINESS According to EN ISO 20345 S2 SRC, form A

Order Code	Size
74304 OFFICER Lady ESD S2	36 - 42

O BY ELTEN

CONCENTRATING ON THE BASICS

A fully-fledged all-rounder with extensive safety features. But as occupational footwear deliberately with no protective toe cap: This is because there is not a risk of heavy objects tipping over or falling down in every job.

BREEZER GREY LOW ESD S1

ELTEN S1

Nubuck leather, fabric lining for natural ventilation, padded tongue, full-length inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole L10, According to EN ISO 20347 O1 SRC, form A, Without protective toe cap

Order Code	Size
92109 BREEZER GREY LOW ESD O1	37 - 47

MAROON LOW ESD O2

ELTEN S2

Cowhide leather, Leather lining, padded tongue, full-length inlay sole ESD PRO beige, soft fleece ESD insole, TPU/PU sole L10, According to EN ISO 20347 O2 SRC form, without protective toe cap.

Order Code	Size
92110 MAROON LOW ESD O2	37 - 47

ONYX LOW ESD O2

ELTEN S2

Cowhide leather, Leather lining, padded tongue, full-length inlay sole ESD PRO beige, soft fleece ESD insole, TPU/PU sole L10, According to EN ISO 20347 O2 SRC form A, without protective toe cap.

Rendelési kód	Méret
92112 ONYX LOW ED O2	37 - 47

MOTION ESD O2

ELTEN S2

Hydrophobized microfibre / hydroprobized textile material Cordura, fabric lining for natural ventilation, full, padded bellows tongue, full length inlay sole ESD PRO grey, soft fleece ESD insole, TPU/PU sole TRAINERS, According to EN ISO 20347 O2 form A,B, Metal- and leather free equipment, without protective toe cap

LOW

MID

CORDURA®

Order Code	Size
972182 - MOTION LOW ESD O2	38 - 47
976182 - MOTION MID ESD O2	38 - 47

OFFICER XW ESD O2

ELTEN S2

Cowhide leather, light leather lining, full-length inlay sole BUSI-NESS ESD, soft fleece ESD insole, MONO-PU sole BUSINESS, According to EN ISO 20345 O2 SRC, form A, extra comfort fit,

Order Code	Size
972307 OFFICER XW ESD O 2	40 - 48

BASIC

QUALITY ON A SAFE BASIS

Reliable foot protection solidly manufactured and facing up to the dangers for the feet in their working environment. Robust, fair and down-to-earth Let yourself be pleasantly surprised.

LASSE EASY ESD S1

ELTEN S1

Microfibre, fabric lining for natural ventilation, padded topngue, steel toe cap, full-length inlay sole ESD PRO Black, soft fleece ESD insole, PU/PU sole TIGHT, According to EN ISO 20345 S1 SRC, Form A,

LOW

MID

Order Code	Size
71510 LASSE EASY ESD S1	40 - 48

LASSE ESD S2

ELTEN S2

HydrophobizedmMicrofibre, fabric lining for natural ventilation, full, padded topngue, steel toe cap, full-length inlay sole ESD PRO Black, soft fleece ESD insole, PU/PU sole TIGHT, According to EN ISO 20345 S1 SRC, Form A,B

LOW

MID

Order Code	Size
72510 LASSE LOW ESD S2	40 - 48
76510 LASSE MID ESD S2	40 - 48

MALTE ESD S3

ELTEN S3

Cowhide leather, fabric lining for natural ventilation, full, padded topngue, steel toe cap, full-length inlay sole ESD PRO Black, non-metallic, penetration resistant midsole, PU/PU sole TIGHT, According to EN ISO 20345 S1 SRC, Form A,B PU Toe protection

Order Code	Size
72561 MALTE LOW ESD S3	40 - 48
76561 ALTE MID ESD S3	40 - 48

EPA AREA
ESD FLOORING
ESD PACKAGING AND WAREHOUSE SYSTEM
ESD FURNITURE
ESD CHAIRS
IONIZERS

ANTIALLERGENIC ESD WRIST STRAP

Wrist band: Conductive (silver) fibres with polyester, very flexible, washable without conductivity loss, Lengthening: 25 % (ASTM D882 test mode), blue

Coiled cord: Length: 3 m, Resistance: 1 MOhm (in the snap fastener), blue

DLB-100   DLB-101

Order Code	Coil cord connections
DLB-100	10 mm female SF / 4 mm banana plug
DLB-101	10 mm female SF / 10 mm female SF

(SF = snap fastener)

DUAL ESD WRIST STRAP

Wrist band: Elastic Nylon with silver plated threads, very flexible, washable without conductivity loss, Lengthening: 25 % (ASTM D882 test mode), blue

Coiled cord: 7-Strand Twin tinsel wire, length: 3 m, Resistance: 1 MOhm (in the snap fastener), black

Order Code	Coil cord connections
DLB-103	10 mm dual female SF / 90º mono jack plug

(SF = snap fastener)

ESD HEEL GROUNDER

Resistor: 1 MOhm, Black / White, Ribbon: 55 cm long nylon/ polyester grounding band with 8 conductive strands, rubber grounder: 38 mm width, three layer laminated, rubber sole. Outer conductive black rubber layer < 10^5 Ohm

DLB-049   DLB-050

Order Code	
DLB-049	with velcro fastener
DLB-050	with quick clasp

ESD SOLE GROUNDER

Resistor: 1 MOhm, Black / White, Ribbon: 30 cm long nylon/ polyester grounding band with 8 conductive strands, Velcro: 20 mm width, Black, Rubber grounder: three layer laminated, rubber sole. Outer conductive black rubber layer < 10^5 Ohm

Order Code	Size
DLB-073/**	XS - XL

EARTH BONDING POINTS

NEW!

Universal earth bonding points for 10 mm male snap fastener and 4 mm banana plug TOGETHER!

AIJGO-7.9A   AIJGO-7.9B   AIJGO-7.9C

Order Code	Connections
AIJGO-7.9A	1 x 10 mm male SF and 4 mm banana plug
AIJGO-7.9B	2 x 10 mm male SF and 4 mm banana plug
AIJGO-7.9C	3 x 10 mm male SF and 4 mm banana plug

(SF = snap fastener)

COMMON GROUNDING POINTS

Order Code	Number of connections
AIJGO-14.6	6 points
AIJGO-14.10	10 points
AIJGO-14.16	16 points
AIJGO-14.20	20 points

AIJGO

CONDUCTIVE HEAVY DUTY PLASTIC MATERIAL

Colour: Black, Surface Resistance: $< 10^5$ Ohm, Extreme abrasion-proof, Resistant to mineral and organic , products, Melting point: 135 ^{o}C, Standard size: 1 x 2 m sheets, Workable easily, Weight: 930 kg/m^3

Order Code	Thickness (mm)
	Width (mm)
DLB-HD1000/**	1, 2, 3, 4, 5, 6, 8, 10, 15, 20, 25, 30, 40, 50

ESD DOCUMENT HOLDER

Static dissipative polyethylene film, surface resistance: 10^{10} - 10^{11} Ohm, recyclable, standard print: ESD symbol, recycling symbol, Lot Nr. 11-hole for ring binders, colour: Clear, Transparent, size: A4 and A3

Order Code	Quantity / package
DLB-1A4	100 pcs
DLB-1A3	100 pcs

ESD BRUSHES

Type: **Toothbrush** (small), dimension: Brush: 32x10 mm (Lenght of the bristles: 15 mm), Rg: $< 10^6$ Ohm, application: it is suitable for the usage in the electronic industry for the cleaning of printed boards and components

Type: **Nailbrush**, dimension: brush: 33x73 mm (lenght of the bristles: 30 mm), Rg: < 106 Ohm, application: for the thorough and mild cleaning

Order Code	Type
DLB-300	Toothbrush
DLB-301	Nailbrush

ESD MAGNIFYER LAMP

ESD Magnifyer Lamp with LED Lighting for professional electronic manufacturing and Inspection works. Full conducitve construction complience with IEC 61340-5-1 ESD standards. Lenses are made of high quality optical glass for distortion-free work. The LED lighting is an energy saving solution which provides flicker-free lighting so avoids the problems with eyes. The LED lighting has more longer lifetime than the normal ring fluorescent lamps.

Surface resistance: $< 10^6$ Ohm, magnification: 3 or 5 dioptria, lens size: round diam. 127 mm, lighting: 90 pcs LED, fixing: table clamp, colour: black

Order Code	
DLB-66D24LED	ESD Magnifyer lamp LED, 3 diopt
DLB-66D24LED-5 **NEW!**	ESD Magnifyer lamp LED, 5 diopt

ESD LINE TAPE

Material: conductive PET laminated PVC, Rs < 109 Ohm (Both sides with ESD function), adhesion: 800 g, no residue thickness: 142 µm, lenght: 33 m.
Ideal for many colour coding, paint masking, sealing, patching, splicing, and reinforcing aisle marking.

Order Code	Width (mm)
DLB-174/Y18	18
DLB-174/Y40	40
DLB-174/R18	18
DLB-174/R40	40
DLB-174/B18	18
DLB-174/B40	40
DLB-174/G18	18
DLB-174/G40	40
DLB-174/W18	18
DLB-174/W40	40

(Other width is available on demand)

ESD GRID TAPE WITH ESD GRID

Material: conductive PET, Rs < 10^9 Ohm (both sides with ESD function), adhesion: 700 g, thickness: 50 µm, lenght: 33 m, packing tape for sensitive semiconductor devices, ideal for glass and acrylics in cleanroom too where conductivity is needed

Order Code	Width (mm)
DLB-500SL12	12
DLB-500SL18	18
DLB-500SL24	24
DLB-500SL48	48

(Other width is available on demand)

EPA FLOOR MARKING TAPE

Material: vinyl + PET laminated, no residue, adhesion: 800g, thickness: 142 µm, line marking for EPA area

Order Code	Size (width x lenght)
DLB-174/EPA	50 mm x 33 m

FLOOR MARKING TAPE ++ NOT ESD ++

Material: vinyl, adhesion: 500 g, thickness: 150 µm, line marking for different working area

Order Code	Colour	Size (width x lenght)
DLB-174HCW	white	50 mm x 33 m
DLB-174HCY	yellow	50 mm x 33 m

Order Code	Colour	Size (width x lenght)
DLB-174HCR	red	50 mm x 33 m
DLB-174HCG	green	50 mm x 33 m
DLB-174HCB	blue	50 mm x 33 m
DLB-174HCYB	yellow/black	50 mm x 33 m

(Other colours are available upon customer request)

ESD MICROFIBRE WIPES

Lint free, weight: 210 g/m2, Rs: 109 - 1010 Ohm, size: 400 x 400 mm or 190 x 190 mm, Colours: blue, green, yellow, pink

Order Code	Size (mm)
27210/1 (blue)	400 x 400
27210/2 (green)	400 x 400
27210/3 (yellow)	400 x 400
27210/4 (pink)	400 x 400
27211/1 (blue)	190 x 190

TYVEK ® DISPOSABLE SLEEVE COVER CLEANROOM

Tyvek ® disposable sleeve cover, unisex style, colour: white weight: 43 g/m2, rubberized ends, antistatic

Order Code	Size
DLB-TDSC01	20 x 50 cm

WASHABLE SLEEVE COVER CLEANROOM

Washable sleeve cover, unisex style, colour: white, weight: 96 g/m2, composition: 98% polyester 2% conductive fibres, rubberized ends, dissipative

Order Code	Size
DLB-WSC01	20 x 48 cm

BOUFFANT CAP `CLEANROOM`

Disposable bouffant cap, unisex style, colour: white, weight: 10 g/m2, size: 60 cm, rubberized end, antistatic

Order Code	Size
DLB-BC1	60 cm (rounded)

DISPOSABLE FACE MASK `CLEANROOM`

Disposable face mask, unisex style, colour: white, 3 ply: ES + MB + ES, ear loop, antistatic

Order Code	Size
DLB-DFM1	Unisex

TYVEK ® DISPOSABLE OVERALL `CLEANROOM`

Tyvek ® disposable overall, colour: white, weight: 43 g/m2, zipper with protective flap, hood, elasticated cuffs, ankles and facial opening, antistatic

Order Code	Size
DLB-TDO1	S - XL

DISPOSABLE SHOE COVER `CLEANROOM`

Dissipative disposable overshoe, made of non-woven material, includes conductive carbon coated connecting strap, colour: blue, resistance: 10^5 - 10^7 Ohm, 100 pcs/package, Size: unisex, AS type: anti-slip sole

Order Code	
DLB-SC001	ESD disposable shoe cover
DLB-SC001-AS **NEW!**	ESD disposable shoe cover with anti-slip sole

ESD BARCODE SCANNERS

ESD safe barcode scanners, black with ESD sign

Order Code	Dimension
DLB-BS1D	1D
DLB-BS2D	2D
DLB-BS1D-WL	1D + Wireless
DLB-BS2D-WL **NEW!**	2D + Wireless

DLB.hu
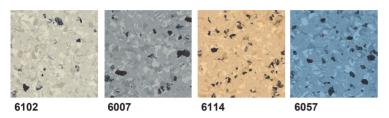
ESD FLOOR SYSTEMS

NORAPLAN® ASTRO EC

nora®

Conductive rubber floor mat Rg < 10^6 Ohm, for optimum ESD protection of electronic devices and equipments, suitable for areas with a risk of explosion, 10 years guarantee for elestrostatic properties (in this case suitable installation, cleaning and usage)

6102 **6007** **6114** **6057**

Order Code	Size
1466 - Colour	~ 1,22 m x 12 m x 2 mm
2466 - Colour	610 x 610 x 2 mm (5,58 m^2 / carton)

NORAMENT® 927 GRANO EC

nora®

Conductive rubber floor mat Rg < 10^6 Ohm, for optimum ESD protection of electronic devices and equipments, suitable for areas with a risk of explosion, largely resistant to acids and alkalis, suitable for fork-lift-truck areas, 10 years guarantee for elestrostatic properties (in this case suitable installation, cleaning and usage)
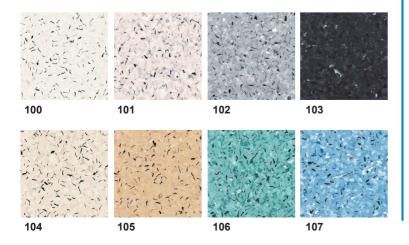
4617
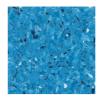
Order Code	Size
927granoec/1880 - Colour	~ 1004 x 1004 x 3,5 mm

TRSTAT CONDUCTIVE VINYL FLOORING

Conductive rubber floor mat Rg = 10^4 - 10^6 Ohm, for optimum ESD protection of electronic devices and equipments, good chemical resistance

100 **101** **102** **103**

104 **105** **106** **107**

108 **109**

Order Code	Size
3093- Colour	2 m x 23 m x 2 mm
3094 - Colour	610 x 610 x 2 mm (5,21 m^2 / carton)

THOMSIT K 112 CONDUCTIVE ADHESIVE

Rg < 3 x 10^5 Ohm, one component adhesive, colour: light grey, coverage: 300 - 350 g/m^2
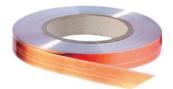
Order Code	Type
0115	12 kg plastic busket

COPPER TAPE FOR GROUNDING

Thickness: 0,05 mm, width: 10 mm, lenght: 30 m, self-adhesive

Order Code
CT 10x30

FLOOR GROUNDING POINT

Set: self adhesive copper tape, grounding cable
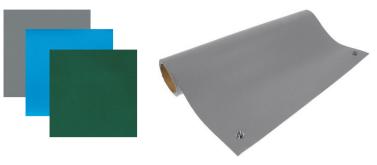
Order Code	Type
AIJGO-9	1 x 4 mm banana plug

ESD TABLE MATS

Two Layers, material: synthetic rubber, upper layer: dissipative (coloured, matt surface), lower layer: conductive (black), electrostatic decay: from 5000 V to zero < 0,05 sec Rsurface: conductive layer < 10^5 Ohm, dissipative layer 10^7 - 10^9 Ohm, Rvolume: conductive layer < 10^5 Ohm dissipative layer 10^7 - 10^9 Ohm

Order Code	Colour / Size
DLB-200	Gray / Black - 1,2 m x 10 m x 2 mm
DLB-201	Blue / Black - 1,2 m x 10 m x 2 mm
DLB-202	Green / Black - 1,2 m x 10 m x 2 mm

SOFT SURFACE

Order Code	Colour / Size
DLB-260	Blue - 1,3 m x 10 m x 3 mm

ANTISTATIC STICKY MAT

Rs = 10^9 - 10^{11} Ohm, size: 600 x 1200 mm, colour: white, 30 layers, suitable for clean room application
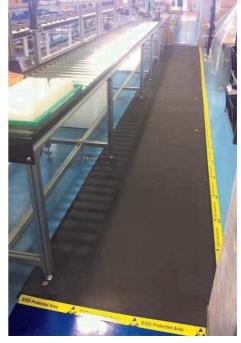
Order Code	Colour
DLB-350	White

ESD DISSIPATIVE ANTI-FATIQUE MATS

Rs top dissipative layer < 10^9 Ohm, Rs bottom conductive layer < 10^5 Ohm, helps to reduce fatigue, easy cleaned, easily removed and relocated, anti slippery surface design, anti corrosive and durable

Order Code	Colour / Size
DLB-355	Black / Yellow - 600 x 910 x 17 mm
DLB-356	Black / Yellow - 600 x 450 x 17 mm
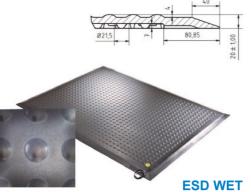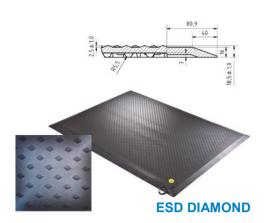
ESD ~~CONDUCTIVE ANTI-FATIQUE MATS~~ NEW!

ESD DRY

ESD WET

ESD DIAMOND
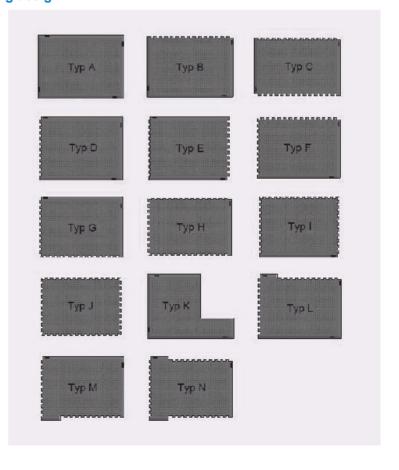
Basic data	esd dry	esd wet	esd diamond
Upper surface	flat structure	bubble-top	diamond structure
Bottom side	shock-absorbing bubbles	shock-absorbing bubbles	shock-absorbing bubbles
Outer edge	20° bevelled	20° bevelled	20° bevelled
Lenght/width/thickness	1350 x 1000 x 16 mm	1350 x 1000 x 20 mm	1350 x 1000 x 20 mm
Weight	19 ± 1 kg	19,5 ± 1 kg	19,5 ± 1 kg
Hardness	55 ± 4 Shore A	55 ± 4 Shore A	55 ± 4 Shore A
Temperatur resistance	- 35°C - + 95°C	-35°C - + 95°C	- 35°C - + 95°C
Interlocking designs	Typ A to K	Typ A to K	Typ A to K
Material		Rubber SBR-based	
Colour	black	black	black
Electrical conductivity	electroconductive	electroconductive	electroconductive
Vertical resistance	≤ 10^5 Ω	≤ 10^5 Ω	≤ 10^5 Ω
ORDER CODE	DLB-1350_DRY	DLB-1350_WET	DLB-1350_DIAMOND

Interlocking design

Design	Edge profile options	Order code
Typ A	Uncut	DLB-1350A_DRY, WET or DIAMOND
Typ B	One long edge with interlocking profile	DLB-1350B_DRY, WET or DIAMOND
Typ C	Two long edges with interlocking profile	DLB-1350C_DRY, WET or DIAMOND
Typ D	One short edge with interlocking profile	DLB-1350D_DRY, WET or DIAMOND
Typ E	Two short edges with interlocking profiles	DLB-1350E_DRY, WET or DIAMOND
Typ F	One short & one long edge with interlocking profile	DLB-1350F_DRY, WET or DIAMOND
Typ G	One short & one long edge with interlocking profile and reflectieve coating	DLB-1350G_DRY, WET or DIAMOND
Typ H	Two short & two long edges with interlocking profile	DLB-1350H_DRY, WET or DIAMOND
Typ I	Two short & one long edge with interlocking profile	DLB-1350I_DRY, WET or DIAMOND
Typ J	Interlocking profile all round	DLB-1350J_DRY, WET or DIAMOND
Typ K	Customised solutions (E.g. interlocking flooring with cut-out)	DLB-1350K_DRY, WET or DIAMOND
Typ L	Ine short & one long edge with interlocking profile	DLB-1350L_DRY, WET or DIAMOND
Typ M	One short & one long edge with interlocking profile	DLB-1350M_DRY, WET or DIAMOND
Typ N	Two short & one long edge with interlocking profile	DLB-1350N_DRY, WET or DIAMOND

Typ A Typ B Typ C
Typ D Typ E Typ F
Typ G Typ H Typ I
Typ J Typ K Typ L
Typ M Typ N

ESD EURO CONTAINERS

ESD containers, stackable, in EURO format, material: Polypropylene, Rs: 10^6 Ohm, international standard: IEC 61340-5-1, colour: black

Order Code	Size
DLB-32/12ESD	300 x 200 x 120 mm
DLB-32/17ESD	300 x 200 x 170 mm
DLB-43/75ESD	400 x 300 x 75 mm
DLB-43/12ESD	400 x 300 x 120 mm
DLB-43/17ESD	400 x 300 x 170 mm
DLB-43/22ESD	400 x 300 x 220 mm
DLB-43/27ESD	400 x 300 x 270 mm
DLB-43/32ESD	400 x 300 x 320 mm
DLB-64/75ESD	600 x 400 x 75 mm
DLB-64/12ESD	600 x 400 x 120 mm
DLB-64/17ESD	600 x 400 x 170 mm
DLB-64/22ESD	600 x 400 x 220 mm
DLB-64/27ESD	600 x 400 x 270 mm
DLB-64/32ESD	600 x 400 x 320 mm
DLB-64/42ESD	600 x 400 x 420 mm
DLB-86/12ESD	800 x 600 x 120 mm
DLB-86/22ESD	800 x 600 x 220 mm
DLB-86/32ESD	800 x 600 x 320 mm
DLB-86/42ESD	800 x 600 x 420 mm

LIDS FOR ESD EURO CONTAINERS

Order Code	Size
DLB-43ESD	400 x 300 mm
DLB-64ESD	600 x 400 mm

ESD EURO CONTAINERS WITH HNGED LIDS

ESD containers + Hinged lids + Locks, , stackable, in EURO format, material: Polypropylene, Rs: 10^6 Ohm, international standard: IEC 61340-5-1, colour: black

Order Code	Size
DLB-43/75CESD	400 x 300 x 90 mm
DLB-43/12CESD	400 x 300 x 135 mm
DLB-43/17CESD	400 x 300 x 185 mm
DLB-43/22CESD	400 x 300 x 235 mm
DLB-43/27CESD	400 x 300 x 285 mm
DLB-43/32CESD	400 x 300 x 335 mm
DLB-64/75CESD	600 x 400 x 90 mm
DLB-64/12CESD	600 x 400 x 135 mm
DLB-64/17CESD	600 x 400 x 185 mm
DLB-64/22CESD	600 x 400 x 235 mm
DLB-64/27CESD	600 x 400 x 285 mm
DLB-64/32CESD	600 x 400 x 335 mm
DLB-64/42CESD	600 x 400 x 435 mm
DLB-86/12CESD	800 x 600 x 140 mm
DLB-86/22CESD	800 x 600 x 240 mm
DLB-86/32CESD	800 x 600 x 340 mm
DLB-86/42CESD	800 x 600 x 440 mm

ESD TRANSPORT TROLLEY

ESD transport trolley, in EURO format, material: Polypropylene, Rs: 10^6 Ohm, international standard: IEC 61340-5-1, colour: black, with wheels of polyamide

Order Code	Size
DLB-RO64ESD	620 x 420 mm

ESD LIGHT PALLETS

ESD Light pallets, stackable, in EURO format, material: Polypropylene, Rs: 10^6 Ohm, international standard: IEC 61340-5-1, colour: black, **static loading**: 2000 kg, **dynamic loading**: 1000 kg

Order Code	Size
DLB-0806ESD	800 x 600 mm with 6 feet
DLB-1208ESD	1200 x 800 mm with 9 feet
DLB-1208KESD	1200 x 800 mm with 3 skids
DLB-1210ESD	1200 x 1000 mm with 9 feet
DLB-1210KESD	1200 x 1000 mm with 3 skids

ESD PALLETS WITH 2 STEEL TUBES

ESD pallets with 2 steel tubes, in EURO format, material: Polypropylene, Rs: 10^6 Ohm, international standard: IEC 61340-5-1, colour: black, **static loading**: 3000 kg, **dynamic loading**: 1500 kg

Order Code	Size
DLB-MS1208ESD	1200 x 800 mm with 3 skids
DLB-MS1210ESD	1200 x 1000 mm with 3 skids
DLB-MS12105ESD	1200 x 1000 mm with 5 skids

CONDUCTIVE DIVIDERS FOR BOXES

Conductive Dividers for boxes made of conductive corrugated fibre polypropylene which designed upon customer request! Please send us your required specification (sizes, drawing,…) for quotation!

ESD SMT MAGAZINE RACK

Surface Resistance: 10^4 - 10^6 Ohm, max. storage PCB: 50 pcs, side guide slot: depth 3,5 mm, width 5 mm, pitch 10 mm, the top and bottom boards are made of metal, gear track with pinion allows easy operation.

Max. temperature resistant is marked with blue (in ºC).

DLB-803 - PCB Size: **350 x (50 - 250) mm**
DLB-806 - PCB Size: **460 x (50 - 330) mm**
DLB-808 - PCB Size: **535 x (50 - 390) mm**
DLB-809 - PCB Size: **535 x (50 - 460) mm**

Order Code	Size
DLB-80380	355 x 320 x 563 mm
DLB-803125	355 x 320 x 563 mm
DLB-803200	355 x 320 x 563 mm
DLB-80680	460 x 400 x 563 mm
DLB-806125	460 x 400 x 563 mm
DLB-806200	460 x 400 x 563 mm
DLB-80880	535 x 460 x 570 mm
DLB-808125	535 x 460 x 570 mm
DLB-808200	535 x 460 x 570 mm
DLB-80980	535 x 530 x 570 mm
DLB-809125	535 x 530 x 570 mm
DLB-809200	535 x 530 x 570 mm

ESD MODULAR WORKBENCHES AND ACCESSORIES - CLASSIC

These workbenches can be placed in a line to make a common working area with no gaps. Modular system allows customer to order only necessary parts and get workplaces for specific use. Sets of furniture can be adapted by additional equipment at any time after purchase. Steel sections frame coated with powder paint (dark grey - RAL 7012 or light grey - RAL 7035). The assembly and installation is quick and simple, clear assembly instruction are provided with each module. **Delivered in FLAT packaging.**

VIKING

ESD WORKBENCH 1

These workbenches can be placed in a line to make a common working area with no gaps. Universal design allows fitting out the workplace with necessary equipment and drawer units. Load capacity: 300 kg. Height adjusment: 650 - 950 mm Temperature restistance: 300 ° C

Order Code	Size
WB-12-7-CLA-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1200 x 700 mm
WB-12-7-CLA-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1200 x 700 mm
WB-12-7-CLA-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1200 x 700 mm
WB-12-7-CLA-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1200 x 700 mm
WB-15-7-CLA-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1500 x 700 mm
WB-15-7-CLA-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1500 x 700 mm
WB-15-7-CLA-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1500 x 700 mm
WB-15-7 CLA-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1500 x 700 mm
WB-18-7-CLA-ESD-7012	Workbench ESD Version - Color: RAL 7012 -1800 x 700 mm
WB-18-7-CLA-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1800 x 700 mm
WB-18-7-CLA-ESD-7035	Workbench ESD Version - Color: RAL 7035 -1800 x 700 mm
WB-18-7-CLA-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1800 x 700 mm
WB-12-9-CLA-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1200 x 900 mm
WB-12-9-CLA-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1200 x 900 mm
WB-12-9-CLA-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1200 x 900 mm
WB-12-9-CLA-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1200 x 900 mm
WB-15-9-CLA-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1500 x 900 mm
WB-15-9-CLA-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1500 x 900 mm
WB-15-9-CLA-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1500 x 900 mm
WB-15-9 CLA-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1500 x 900 mm
WB-18-9-CLA-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1800 x 900 mm
WB-18-9-CLA-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1800 x 900 mm
WB-18-9-CLA-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1800 x 900 mm
WB-18-9-CLA-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1800 x 900 mm

ESD MAIN SHELF 2

Rear racks included. Load capacity: 50 kg. Height adjustment: 100 - 850 mm.

Order Code	Size
MS-12-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1200 x 300 mm
MS-12-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1200 x 300 mm
MS-12-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1200 x 300 mm
MS-12-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1200 x 300 mm
MS-15-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1500 x 300 mm
MS-15-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1500 x 300 mm
MS-15-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1500 x 300 mm
MS-15-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1500 x 300 mm
MS-18-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1800 x 300 mm
MS-18-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1800 x 300 mm
MS-18-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1800 x 300 mm
MS-18-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1800 x 300 mm
MS-12-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1200 x 400 mm
MS-12-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1200 x 400 mm
MS-12-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1200 x 400 mm
MS-12-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1200 x 400 mm
MS-15-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1500 x 400 mm
MS-15-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1500 x 400 mm
MS-15-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1500 x 400 mm
MS-15-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1500 x 400 mm
MS-18-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1800 x 400 mm
MS-18-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1800 x 400 mm
MS-18-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1800 x 400 mm
MS-18-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1800 x 400 mm

ESD ADDITIONAL SHELF 2a

Main shelf or rear racks required for all additional shelf. Load capacity: 50 kg. Height adjustment: 200 - 850 mm.

Order Code	Size
AS-12-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1200 x 300 mm
AS-12-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1200 x 300 mm
AS-12-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1200 x 300 mm
AS-12-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1200 x 300 mm
AS-15-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1500x300 mm
AS-15-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1500x300 mm
AS-15-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1500x300 mm
AS-15-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1500x300 mm
AS-18-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1800x300 mm
AS-18-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1800x300 mm
AS-18-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1800x300 mm
AS-18-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1800x300 mm
AS-12-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1200x400 mm
AS-12-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1200x400 mm
AS-12-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1200x400 mm
AS-12-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1200x400 mm
AS-15-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1500x400 mm
AS-15-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1500x400 mm
AS-15-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1500x400 mm
AS-15-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1500x400 mm
AS-18-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1800x400 mm
AS-18-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1800x400 mm
AS-18-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1800x400 mm
AS-18-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1800x400 mm

ESD UNDERNEATH SHELF `2b`

Not compatible with optional DLB-TP01P-ESD drawer. Load capacity: 100 kg.

Order Code	Size
US-12-3-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012 - 1200 x 300 mm
US-12-3-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1200 x 300 mm
US-12-3-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035 - 1200 x 300 mm
US-12-3-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1200 x 300 mm
US-15-3-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012 - 1500 x 300 mm
US-15-3-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1500 x 300 mm
US-15-3-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035 - 1500 x 300 mm
US-15-3-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1500 x 300 mm
US-18-3-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012- 1800 x 300 mm
US-18-3-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1800 x 300 mm
US-18-3-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035- 1800 x 300 mm
US-18-3-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1800 x 300 mm
US-12-4-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012- 1200 x 400 mm
US-12-4-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1200 x 400 mm
US-12-4-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035- 1200 x 400 mm
US-12-4-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1200 x 400 mm
US-15-4-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012 - 1500 x 400 mm
US-15-4-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1500 x 500 mm
US-15-4-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035 - 1500 x 400 mm
US-15-4-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1500 x 500 mm
US-18-4-SHA-ESD-7012	Underneath shelf ESD - Color: RAL 7012 - 1800 x 400 mm
US-18-4-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012- 1800 x 400 mm
US-18-4-SHA-ESD-7035	Underneath shelf ESD - Color: RAL 7035 - 1800 x 400 mm
US-18-4-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035- 1800 x 400 mm

POWER PANEL `3`

4 sockets placed in an aluminium case with protective contact and 3 m cable. Panel can be equipped with additional sockets, earth leakage circuit breaker, automatic fuse and a phone jack. Nominal load capacity: 10 A.

Order Code	Size
EPL-12-SHA-TEC-GE	POWER PANEL - 1200 mm
EPL-15-SHA-TEC-GE	POWER PANEL - 1500 mm
EPL-18-SHA-TEC-GE	POWER PANEL - 1800 mm

POWER PANEL 1/2 `3a`

4 sockets placed in an aluminium case with protective contact and 3 m cable. Panel can be equipped with additional sockets, earth leakage circuit breaker, automatic fuse and a phone jack. Nominal load capacity: 10 A.
Middle upright (SRST) is required.

Order Code	Size
EPL-12/2-SHA-TEC-GE	POWER PANEL - 600 mm
EPL-15/2-SHA-TEC-GE	POWER PANEL - 750 mm
EPL-18/2-SHA-TEC-GE	POWER PANEL - 900 mm

WORKBENCH LIGHTING `4`

Aluminium case with 2 energy-efficient luminescent 54 W lamps. Height adjustment: 500 - 1350 mm.

Order Code	Size
DL-12/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012 - 1200 mm
DL-12/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035 - 1200 mm
DL-15/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012- 1500 mm
DL-15/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035- 1500 mm
DL-18/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012 - 1800 mm
DL-18/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035 - 1800 mm

MIDDLE UPRIGHT FOR ALL ITEMS `5`

Required to hold any ½ item. 3 sizes to match standard workbench

Order Code	Size
SRST-12-SHA-TEC-7012	Middle upright for all items - Color: RAL 7012 - 1200 mm
SRST-12-SHA-TEC-7035	Middle upright for all items - Color: RAL 7035 - 1200 mm
SRST-15-SHA-TEC-7012	Middle upright for all items - Color: RAL 7012- 1500 mm
SRST-15-SHA-TEC-7035	Middle upright for all items - Color: RAL 7035- 1500 mm
SRST-15-SHA-TEC-7012	Middle upright for all items - Color: RAL 7012 - 1800 mm
SRST-15-SHA-TEC-7035	Middle upright for all items - Color: RAL 7035 - 1800 mm

BIN RAIL `6`

Aluminium rail for bin storage placed along workbench lenght.

Order Code	Size
RK-12-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1200 mm
RK-12-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1200 mm
RK-15-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1500 mm
RK-15-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1500 mm
RK-18-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1800 mm
RK-18-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1800 mm

1/2 BIN RAIL `6a`

Aluminium rail for bin storage placed along workbench lenght.
Middle upright (SRST) is required.

Order Code	Size
RK-12/2-SHA-TEC-7012	Bin rail half Size - Color: RAL 7012 - 560 mm
RK-12/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 560 mm
RK-15/2-SHA-TEC-7012	Bin rail half Size - Color: RAL 7012 - 710 mm
RK-15/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 710 mm
RK-18/2-SHA-TEC-7012	Bin rail half Size - Color: RAL 7012 - 860 mm
RK-18/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 860 mm

PERFORATED PANEL `7`

The panel can be equipped by different holders for additional equipment and tools storage.

Order Code	Size
PP-12-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1200 mm
PP-12-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1200 mm
PP-15-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1500 mm
PP-15-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1500 mm
PP-18-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1800 mm
PP-18-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1800 mm

1/2 PERFORATED PANEL **7a**

The panel can be equipped by different holders for additional equipment and tools storage.
Middle upright (SRST) is required.

Order Code	Size
PP-12/2-SHA-TEC-7012 PP-12/2-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7012 - 600 mm Perforated panel tech version - Color: RAL 7035 - 600 mm
PP-15/2-SHA-TEC-7012 PP-15/2-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7012 - 750 mm Perforated panel tech version - Color: RAL 7035 - 750 mm
PP-18/2-SHA-TEC-7012 PP-18/2-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7012 - 900 mm Perforated panel tech version - Color: RAL 7035 - 900 mm

ESD SLOPED SHELF **8**

With angle adjustment for working equipment. Load capacity: 50 kg.

Order Code	Size
PN-12-SHA-TEC-7012 PN-12-SHA-TEC-7035	Sloped shelf - Color: RAL 7012 Sloped shelf - Color: RAL 7035
PN-15-SHA-TEC-7012 PN-15-SHA-TEC-7035	Sloped shelf - Color: RAL 7012 Sloped shelf - Color: RAL 7035
PN-18-SHA-TEC-7012 PN-18-SHA-TEC-7035	Sloped shelf - Color: RAL 7012 Sloped shelf - Color: RAL 7035

IP CANTILEVER **9**

It was designed for easy-to-reach attachings of drawings, and instruments.

Order Code	Size
IP-12-SHA-TEC-7012 IP-12-SHA-TEC-7035	Cantilever- Color: RAL 7012 - 1200 mm Cantilever- Color: RAL 7035 - 1200 mm
IP-15-SHA-TEC-7012 IP-15-SHA-TEC-7035	Cantilever- Color: RAL 7012 - 1500 mm Cantilever- Color: RAL 7035 - 1500 mm
IP-18-SHA-TEC-7012 IP-18-SHA-TEC-7035	Cantilever- Color: RAL 7012 - 1800 mm Cantilever- Color: RAL 7035 - 1800 mm

CORNER WORKBENCH **10**

Maximum load capacity 100 kg. Height adjusment 650 - 950 mm

Order Code	Size
CWT-1-CLA-ESD-7012 CWT-1-CLA-TEC-7012 ⚠ CWT-1-CLA-ESD-7012 CWT-1-CLA-TEC-7012 ⚠	Corner Workbench ESD Version - Color: RAL 7012 Corner Workbench Technical Version - Color: RAL 7012 Corner Workbench ESD Version - Color: RAL 7035 Corner Workbench Technical Version - Color: RAL 7035

OPTIONAL DRAWER UNITS **11**

Storage solution for tools and components.

Order Code	Size
TP-01/P-SHA-ESD-7012 TP-01/P-SHA-TEC-7012 ⚠ TP-01/P-SHA-ESD-7035 TP-01/P-SHA-TEC-7035 ⚠	3 drawers ESD Version - Color: RAL 7012 3 drawers Technical Version - Color: RAL 7012 3 drawers ESD Version - Color: RAL 7035 3 drawers Technical Version - Color: RAL 7035
TP-02/P-SHA-ESD-7012 TP-02/P-SHA-TEC-7012 ⚠ TP-02/P-SHA-ESD-7035 TP-02/P-SHA-TEC-7035 ⚠	2 fiókos ESD Version - Color: RAL 7012 2 fiókos Technical Version - Color: RAL 7012 2 fiókos ESD Version - Color: RAL 7035 2 fiókos Technical Version - Color: RAL 7035

REAR RACKS **12**

Required for all modules. (Main shelf price contains rear racks)

Order Code	Size
RR-SHA-TEC-7012 RRS-SHA-TEC-7012	Rear racks - Color: RAL 7012 Rear racks small Size- Color: RAL 7012
RR-SHA-TEC-7035 RRS-SHA-TEC-7035	Rear racks - Color: RAL 7035 Rear racks small Size- Color: RAL 7035

ESD MODULAR WORKBENCHES AND ACCESSORIES - COMFORT

NEW!

These workbenches can be placed in a line to make a common working area with no gaps. Modular system allows customer to order only necessary parts and get workplaces for specific use. Sets of furniture can be adapted by additional equipment at any time after purchase. Steel sections frame coated with powder paint (dark grey - RAL 7012 or light grey - RAL 7035). The assembly and installation is quick and simple, clear assembly instruction are provided with each module. **Delivered in FLAT packaging.**

VIKING

ESD WORKBENCH   1

These workbenches can be placed in a line to make a common working area with no gaps. Universal design allows fitting out the workplace with necessary equipment and drawer units. Load capacity: 200 kg. Height adjusment: 800 - 950 mm Temperature restistance: 300 ° C

Order Code	Size
WB-12-COM-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1200 x 700 mm
WB-12-COM-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1200 x 700 mm
WB-12-COM-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1200 x 700 mm
WB-12-COM-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1200 x 700 mm
WB-15-COM-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1500 x 700 mm
WB-15-COM-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1500 x 700 mm
WB-15-COM-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1500 x 700 mm
WB-15-COM-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1500 x 700 mm
WB-18-7-COM-ESD-7012	Workbench ESD Version - Color: RAL 7012 -1800 x 700 mm
WB-18-7-COM-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1800 x 700 mm
WB-18-7-COM-ESD-7035	Workbench ESD Version - Color: RAL 7035 -1800 x 700 mm
WB-18-7-COM-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1800 x 700 mm
WB-12-9-COM-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1200 x 900 mm
WB-12-9-COM-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1200 x 900 mm
WB-12-9-COM-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1200 x 900 mm
WB-12-9-COM-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1200 x 900 mm
WB-15-9-COM-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1500 x 900 mm
WB-15-9-COM-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1500 x 900 mm
WB-15-9-COM-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1500 x 900 mm
WB-15-9 COM-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1500 x 900 mm
WB-18-9-COM-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1800 x 900 mm
WB-18-9-COM-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1800 x 900 mm
WB-18-9-COM-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1800 x 900 mm
WB-18-9-COM-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1800 x 900 mm

ESD MAIN SHELF 2

Rear racks included. Load capacity: 50 kg. Height adjustment: 100 - 850 mm.

Order Code	Size
MS-12-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1200 x 300 mm
MS-12-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1200 x 300 mm
MS-12-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1200 x 300 mm
MS-12-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1200 x 300 mm
MS-15-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1500 x 300 mm
MS-15-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1500 x 300 mm
MS-15-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1500 x 300 mm
MS-15-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1500 x 300 mm
MS-18-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1800 x 300 mm
MS-18-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1800 x 300 mm
MS-18-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1800 x 300 mm
MS-18-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1800 x 300 mm
MS-12-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1200 x 400 mm
MS-12-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1200 x 400 mm
MS-12-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1200 x 400 mm
MS-12-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1200 x 400 mm
MS-15-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1500 x 400 mm
MS-15-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1500 x 400 mm
MS-15-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1500 x 400 mm
MS-15-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1500 x 400 mm
MS-18-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1800 x 400 mm
MS-18-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1800 x 400 mm
MS-18-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1800 x 400 mm
MS-18-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1800 x 400 mm

ESD ADDITIONAL SHELF 2a

Main shelf or rear racks required for all additional shelf. Load capacity: 50 kg. Height adjustment: 200 - 850 mm.

Order Code	Size
AS-12-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1200 x 300 mm
AS-12-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1200 x 300 mm
AS-12-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1200 x 300 mm
AS-12-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1200 x 300 mm
AS-15-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1500x300 mm
AS-15-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1500x300 mm
AS-15-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1500x300 mm
AS-15-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1500x300 mm
AS-18-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1800x300 mm
AS-18-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1800x300 mm
AS-18-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1800x300 mm
AS-18-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1800x300 mm
AS-12-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1200x400 mm
AS-12-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1200x400 mm
AS-12-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1200x400 mm
AS-12-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1200x400 mm
AS-15-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1500x400 mm
AS-15-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1500x400 mm
AS-15-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1500x400 mm
AS-15-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1500x400 mm
AS-18-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1800x400 mm
AS-18-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1800x400 mm
AS-18-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1800x400 mm
AS-18-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1800x400 mm

POWER PANEL `3`

4 sockets placed in an aluminium case with protective contact and 3 m cable. Panel can be equipped with additional sockets, earth leakage circuit breaker, automatic fuse and a phone jack. Nominal load capacity: 10 A.

Order Code	Size
EPL-12-SHA-TEC-GE	POWER PANEL Technical Version - 1200 mm
EPL-15-SHA-TEC-GE	POWER PANEL Technical Version - 1500 mm
EPL-18-SHA-TEC-GE	POWER PANEL Technical Version - 1800 mm

POWER PANEL 1/2 `3a`

4 sockets placed in an aluminium case with protective contact and 3 m cable. Panel can be equipped with additional sockets, earth leakage circuit breaker, automatic fuse and a phone jack. Nominal load capacity: 10 A.
Middle upright (SRST) is required.

Order Code	Size
EPL-12/2-SHA-TEC-GE	POWER PANEL Technical Version - 600 mm
EPL-15/2-SHA-TEC-GE	POWER PANEL Technical Version - 750 mm
EPL-18/2-SHA-TEC-GE	POWER PANEL Technical Version - 900 mm

WORKBENCH LIGHTING `4`

Aluminium case with 2 energy-efficient luminescent 54 W lamps. Height adjustment: 500 - 1350 mm.

Order Code	Size
DL-12/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012 - 1200 mm
DL-12/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035 - 1200 mm
DL-15/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012- 1500 mm
DL-15/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035- 1500 mm
DL-18/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012 - 1800 mm
DL-18/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035 - 1800 mm

Middle upright for all items `5`

Required to hold any ½ item. 3 sizes to match standard workbench
Middle upright (SRST) is required.

Order Code	Size
SRST-12-SHA-TEC-7012	Middle upright for all items Tech Version - Color: RAL 7012 - 1200 mm
SRST-12-SHA-TEC-7035	Middle upright for all items Tech Version - Color: RAL 7035 - 1200 mm
SRST-15-SHA-TEC-7012	Middle upright for all items Tech Version - Color: RAL 7012- 1500 mm
SRST-15-SHA-TEC-7035	Middle upright for all items Tech Version - Color: RAL 7035- 1500 mm
SRST-15-SHA-TEC-7012	Middle upright for all items Tech Version - Color: RAL 7012 - 1800 mm
SRST-15-SHA-TEC-7035	Middle upright for all items Tech Version - Color: RAL 7035 - 1800 mm

BIN RAIL `6`

Required to hold any ½ item. 3 sizes to match standard workbench

Order Code	Size
RK-12-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1200 mm
RK-12-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1200 mm
RK-15-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1500 mm
RK-15-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1500 mm
RK-18-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1800 mm
RK-18-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1800 mm

1/2BIN RAIL   6a

Required to hold any ½ item. 3 sizes to match standard workbench ~~Terhelhetőség: 10kg~~

Middle upright (SRST) is required.

Order Code	Size
RK-12/2-SHA-TEC-7012	Bin rail half Size - Color: RAL 7012 - 560 mm
RK-12/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 560 mm
RK-15/2-SHA-TEC-7012	Bin rail half Size - Color: RAL 7012 - 710 mm
RK-15/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 710 mm
RK-18/2-SHA-TEC-7012	Bin rail half Size - Color: RAL 7012 - 860 mm
RK-18/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 860 mm

PERFORATED PANEL   7

The panel can be equipped by different holders for additional equipment and tools storage.

Order Code	Size
PP-12-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1200 mm
PP-12-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1200 mm
PP-15-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1500 mm
PP-15-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1500 mm
PP-18-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1800 mm
PP-18-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1800 mm

1/2 PERFORATED PANEL   7a

The panel can be equipped by different holders for additional equipment and tools storage.

Middle upright (SRST) is required.

Order Code	Size
PP-12/2-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 600 mm
PP-12/2-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 600 mm
PP-15/2-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 750 mm
PP-15/2-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 750 mm
PP-18/2-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 900 mm
PP-18/2-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 900 mm

ESD SLOPED SHELF   8

With angle adjustment for working equipment. Load capacity: 50 kg.

Order Code	Size
PN-12-SHA-TEC-7012	Sloped shelf - Color: RAL 7012
PN-12-SHA-TEC-7035	Sloped shelf - Color: RAL 7035
PN-15-SHA-TEC-7012	Sloped shelf - Color: RAL 7012
PN-15-SHA-TEC-7035	Sloped shelf - Color: RAL 7035
PN-18-SHA-TEC-7012	Sloped shelf - Color: RAL 7012
PN-18-SHA-TEC-7035	Sloped shelf - Color: RAL 7035

IP Cantilever 9

It was designed for easy-to-reach attachings of drawings, and instruments.

Order Code	Size
IP-12-SHA-TEC-7012 IP-12-SHA-TEC-7035	Cantilever- Color: RAL 7012 - 1200 mm Cantilever- Color: RAL 7035 - 1200 mm
IP-15-SHA-TEC-7012 IP-15-SHA-TEC-7035	Cantilever- Color: RAL 7012 - 1500 mm Cantilever- Color: RAL 7035 - 1500 mm
IP-18-SHA-TEC-7012 IP-18-SHA-TEC-7035	Cantilever- Color: RAL 7012 - 1800 mm Cantilever- Color: RAL 7035 - 1800 mm

CORNER WORKBENCH 10

Load capacity: 100 kg Dimensions: 650x950 mm

Order Code	Size
CWT-1-COM-ESD-7012	Corner Workbench ESD Version - Color: RAL 7012
CWT-1-COM-TEC-7012	Corner Workbench Technical Version - Color: RAL 7012
CWT-1-COM-ESD-7012	Corner Workbench ESD Version - Color: RAL 7035
CWT-1-COM-TEC-7012	Corner Workbench Technical Version - Color: RAL 7035

OPTIONAL DRAWER UNITS 11

Storage solution for tools and components, no place on floor required.

Order Code	Size
TP-01/P-SHA-ESD-7012	3 drawers ESD Version - Color: RAL 7012
TP-01/P-SHA-TEC-7012	3 drawers Technical Version - Color: RAL 7012
TP-01/P-SHA-ESD-7035	3 drawers ESD Version - Color: RAL 7035
TP-01/P-SHA-TEC-7035	3 drawers Technical Version - Color: RAL 7035
TP-02/P-SHA-ESD-7012	2 fiókos ESD Version - Color: RAL 7012
TP-02/P-SHA-TEC-7012	2 fiókos Technical Version - Color: RAL 7012
TP-02/P-SHA-ESD-7035	2 fiókos ESD Version - Color: RAL 7035
TP-02/P-SHA-TEC-7035	2 fiókos Technical Version - Color: RAL 7035

REAR RACKS 12

Required for all modules. (Main shelf price contains rear racks)

Order Code	Size
RR-SHA-TEC-7012 RRS-SHA-TEC-7012	Rear racks - Color: RAL 7012 Rear racks small Size- Color: RAL 7012
RR-SHA-TEC-7035 RRS-SHA-TEC-7035	Rear racks - Color: RAL 7035 Rear racks small Size- Color: RAL 7035

ESD MODULAR WORKBENCHES AND ACCESSORIES - CONSTANT

NEW!

These workbenches can be placed in a line to make a common working area with no gaps. Modular system allows customer to order only necessary parts and get workplaces for specific use. Sets of furniture can be adapted by additional equipment at any time after purchase. Steel sections frame coated with powder paint (dark grey - RAL 7012 or light grey - RAL 7035). The assembly and installation is quick and simple, clear assembly instruction are provided with each module. **Delivered in FLAT packaging.**

VIKING

ESD WORKBENCH   **1**

These workbenches can be placed in a line to make a common working area with no gaps. Universal design allows fitting out the workplace with necessary equipment and drawer units. Load capacity: 300 kg. Tabletop height: 825 mm Temperature restistance: 300 ° C

1a   Cabinet unit with 5 drawers on telescopic runners and a lock. (DR-05/1)

1b   Cabinet unit with 3 bigger drawers on telescopic runners and a lock (DR-03)

1c   Cabinet with 2 shelves and a lock. (TMB-01)

1d   Cabinet with 1 drawer and 2 shelves in a locked section. (TMB-02)

1e   Legs

Supports are manufactured in any combinaton, except for 1200 mm width workbenches that should have legs as one support.

Order Code	Size
WB-12d-CST-ESD-7012 WB-12d-CST-TEC-7012 WB-12d-CST-ESD-7035 WB-12d-CST-TEC-7035	Constant workbench DR-05/1 cabinet with legs ESD Version - Color: RAL 7012 - 1200 x 700 mm Conastant workbench DR-05/1 cabinet with legs Technical Version - Color: RAL 7012 - 1200 x 700 mm Constant workbench DR-05/1 cabinet with legs ESD Version - Color: RAL 7035 - 1200 x 700 mm Constant workbench DR-05/1 cabinet with legs Technical Version - Color: RAL 7035 - 1200 x 700 mm
WB-15d-CST-ESD-7012 WB-15d-CST-TEC-7012 WB-15d-CST-ESD-7035 WB-15d-CST-TEC-7035	Constant workbench with legs ESD Version - Color: RAL 7012 - 1500 x 700 mm Constant workbench with legs Technical Version - Color: RAL 7012 - 1500 x 700 mm Constant workbench with legs ESD Version - Color: RAL 7035 - 1500 x 700 mm Constant Workbench Technical Technical Version - Color: RAL 7035 - 1500 x 700 mm
WB-18d-CST-ESD-7012 WB-18d-CST-TEC-7012 WB-18d-CST-ESD-7035 WB-18d-CST-TEC-7035	Constant workbench with legs ESD Version - Color: RAL 7012 -1800 x 700 mm Constant workbench with legs Technical Version - Color: RAL 7012 - 1800 x 700 mm Constant workbench with legs ESD Version - Color: RAL 7035 -1800 x 700 mm Constant workbench with legs Technical Version - Color: RAL 7035- 1800 x 700 mm
WB-12c-CST-ESD-7035 WB-12c-CST-TEC-7035 WB-12c-CST-ESD-7012 WB-12c-CST-TEC-7012	Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb ESD Version - Color: RAL 7035 - 1200 x 700 mm Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb Technical Version - Color: RAL 7035 - 1200 x 700 mm Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb ESD Version - Color: RAL 7012 - 1200 x 700 mm Constant workbench TMB-01 cabinet (zárható, 2 shelves) + láb Technical Version - Color: RAL 7012 - 1200 x 700 mm
WB-15c-CST-ESD-7035 WB-15c-CST-TEC-7035 WB-15c-CST-ESD-7012 WB-15c-CST-TEC-7012	Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb ESD Version - Color: RAL 7035 - 1500 x 700 mm Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb Technical Version - Color: RAL 7035 - 1500 x 700 mm Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb ESD Version - Color: RAL 7012 - 1500 x 700 mm Constant workbench TMB-01 cabinet (lockable, 2 shelves) +legs Technical Version - Color: RAL 7012 - 1500 x 700 mm
WB-18c-CST-ESD-7035 WB-18c-CST-TEC-7035 WB-18c-CST-ESD-7012 WB-18c-CST-TEC-7012	Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb ESD Version - Color: RAL 7035 - 1800 x 700 mm Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb Technical Version - Color: RAL 7035 - 1800 x 700 mm Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb ESD Version - Color: RAL 7012 - 1800 x 700 mm Constant workbench TMB-01 cabinet (lockable, 2 shelves) + láb Technical Version - Color: RAL 7012 - 1800 x 700 mm
WB-15dc-CST-ESD-7035 WB-15dc-CST-TEC-7035 WB-15dc-CST-ESD-7012 WB-15dc-CST-TEC-7012	Constant workbench DR-05/1 + TMB-01 cabinet 2 db shelvescal ESD Version - Color: RAL 7035 - 1500 x 700 mm Constant workbench DR-05/1 + TMB-01 cabinet 2 db shelves Technical Version - Color: RAL 7035 - 1500 x 700 mm Constant workbench DR-05/1 + TMB-01 cabinet 2 db shelvescal ESD Version - Color: RAL 7012 - 1500 x 700 mm Constant workbench DR-05/1 + TMB-01 cabinet 2 db shelves Technical Version - Color: RAL 7012 - 1500 x 700 mm
WB-15dd-ESD-7035 WB-15dd-TEC-7035 WB-15dd-ESD-7012 WB-15dd-TEC-7012	Constant workbench 2 db DR-05/1 cabinet ESD Version - Color: RAL 7035 - 1500 x 700 mm Constant workbench 2 db DR-05/1 cabinet ESD Version - Color: RAL 7035 - 1500 x 700 mm Constant workbench 2 db DR-05/1 cabinet ESD Version - Color: RAL 7012 - 1500 x 700 mm Constant workbench 2 db DR-05/1 cabinet ESD Version - Color: RAL 7012 - 1500 x 700 mm
WB-15cc-CST-ESD-7035 WB-15cc-CST-TEC-7035 WB-15cc-CST-ESD-7012 WB-15cc-CST-TEC-7012	Constant workbench 2 db TMB-01 cabinet ESD Version - Color: RAL 7035 - 1500 x 700 mm Constant workbench 2 db TMB-01 cabinet ESD Version - Color: RAL 7035 - 1500 x 700 mm Constant workbench 2 db TMB-01 cabinet ESD Version - Color: RAL 7012 - 1500 x 700 mm Constant workbench 2 db TMB-01 cabinet ESD Version - Color: RAL 7012 - 1500 x 700 mm
WB-18dc-CST-ESD-7035 WB-18dc-CST-TEC-7035 WB-18dc-CST-ESD-7012 WB-18dc-CST-TEC-7012	Constant workbench DR-05/1 +TMB-01 cabinet 2 db shelves ESD Version - Color: RAL 7035 - 1800 x 700 mm Constant workbench DR-05/1 +TMB-01 cabinet 2 db shelves Technical Version - Color: RAL 7035 - 1800 x 700 mm Constant workbench DR-05/1 +TMB-01 cabinet 2 db shelves ESD Version - Color: RAL 7012 - 1800 x 700 mm Constant workbench DR-05/1 +TMB-01 cabinet 2 db shelves Technical Version - Color: RAL 7012 - 1800 x 700 mm
WB-18dd-CST-ESD-7035 WB-18dd-CST-TEC-7035 WB-18dd-CST-ESD-7012 WB-18dd-CST-TEC-7012	Constant workbench 2db DR-05/1 cabinet ESD Version - Color: RAL 7035 - 1800 x 700 mm Constant workbench 2db DR-05/cabinet Technical Version - Color: RAL 7035 - 1800 x 700 mm Constant workbench 2db DR-05/1 cabinet ESD Version - Color: RAL 7012 - 1800 x 700 mm Constant workbench 2db DR-05/1 cabinet Technical Version - Color: RAL 7012 - 1800 x 700 mm
WB-18cc-CST-ESD-7035 WB-18cc-CST-TEC-7035 WB-18cc-CST-ESD-7012 WB-18cc-CST-TEC-7012	Constant workbench 2db TMB-01 cabinet ESD Version - Color: RAL 7035 - 1800 x 700 mm Constant workbench 2db TMB-01 cabinet Technical Version - Color: RAL 7035 - 1800 x 700 mm Constant workbench 2db TMB-01 cabinet ESD Version - Color: RAL 7012 - 1800 x 700 mm Constant workbench 2db TMB-01 cabinet Technical Version - Color: RAL 7012 - 1800 x 700 mm

More combinations are also available! For more informations contact our customer service.

ESD MAIN SHELF `2`

Rear racks included. 2 versions: 30 and 40 cm depth. Height adjusment: 1000 - 1850 mm. Load capacity: 50 kg.

Order Code	Size
MS-12-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1200 x 300 mm
MS-12-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1200 x 300 mm
MS-12-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1200 x 300 mm
MS-12-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1200 x 300 mm
MS-15-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1500 x 300 mm
MS-15-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1500 x 300 mm
MS-15-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1500 x 300 mm
MS-15-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1500 x 300 mm
MS-18-3-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1800 x 300 mm
MS-18-3-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1800 x 300 mm
MS-18-3-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1800 x 300 mm
MS-18-3-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1800 x 300 mm
MS-12-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1200 x 400 mm
MS-12-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1200 x 400 mm
MS-12-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1200 x 400 mm
MS-12-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1200 x 400 mm
MS-15-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1500 x 400 mm
MS-15-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1500 x 400 mm
MS-15-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1500 x 400 mm
MS-15-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1500 x 400 mm
MS-18-4-SHA-ESD-7012	Main shelf ESD Version - Color: RAL 7012 - 1800 x 400 mm
MS-18-4-SHA-TEC-7012	Main shelf Technical Version - Color: RAL 7012 - 1800 x 400 mm
MS-18-4-SHA-ESD-7035	Main shelf ESD Version - Color: RAL 7035 - 1800 x 400 mm
MS-18-4-SHA-TEC-7035	Main shelf Technical Version - Color: RAL 7035 - 1800 x 400 mm

ESD ADDITIONAL `2a`

Main shelf or rear racks required for all additional shelf. Load capacity: 50 kg. Height adjustment: 200 - 850 mm.

Order Code	Size
AS-12-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1200 x 300 mm
AS-12-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1200 x 300 mm
AS-12-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1200 x 300 mm
AS-12-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1200 x 300 mm
AS-15-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1500x300 mm
AS-15-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1500x300 mm
AS-15-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1500x300 mm
AS-15-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1500x300 mm
AS-18-3-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1800x300 mm
AS-18-3-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1800x300 mm
AS-18-3-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1800x300 mm
AS-18-3-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1800x300 mm
AS-12-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1200x400 mm
AS-12-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1200x400 mm
AS-12-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1200x400 mm
AS-12-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1200x400 mm
AS-15-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1500x400 mm
AS-15-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1500x400 mm
AS-15-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1500x400 mm
AS-15-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1500x400 mm
AS-18-4-SHA-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1800x400 mm
AS-18-4-SHA-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1800x400 mm
AS-18-4-SHA-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1800x400 mm
AS-18-4-SHA-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1800x400 mm

POWER PANEL 3

4 sockets placed in an aluminium case with protective contact and 3 m cable. Panel can be equipped with additional sockets, earth leakage circuit breaker, automatic fuse and a phone jack. Nominal load capacity: 10 A.

Order Code	Size
EPL-12-SHA-TEC-GE	POWER PANEL Technical Version - 1200 mm
EPL-15-SHA-TEC-GE	POWER PANEL Technical Version - 1500 mm
EPL-18-SHA-TEC-GE	POWER PANEL Technical Version - 1800 mm

POWER PANEL 1/2 3a

4 sockets placed in an aluminium case with protective contact and 3 m cable. Panel can be equipped with additional sockets, earth leakage circuit breaker, automatic fuse and a phone jack. Nominal load capacity: 10 A.
Middle upright (SRST) is required.

Order Code	Size
EPL-12/2-SHA-TEC-GE	POWER PANEL - 600 mm
EPL-15/2-SHA-TEC-GE	POWER PANEL - 750 mm
EPL-18/2-SHA-TEC-GE	POWER PANEL - 900 mm

WORKBENCH LIGHTING 4

Aluminium case with 2 energy-efficient luminescent 54 W lamps. Height adjustment: 500 - 1350 mm.

Order Code	Size
DL-12/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012 - 1200 mm
DL-12/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035 - 1200 mm
DL-15/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012- 1500 mm
DL-15/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035- 1500 mm
DL-18/A-CLA-TEC-7012	Workbench lighting - Color: RAL 7012 - 1800 mm
DL-18/A-CLA-TEC-7035	Workbench lighting - Color: RAL 7035 - 1800 mm

Middle upright for all items 5

Required to hold any ½ item. 3 sizes to match standard workbench
Middle upright (SRST) is required.

Order Code	Size
SRST-12-SHA-TEC-7012	Middle upright for all items - Color: RAL 7012 - 1200 mm
SRST-12-SHA-TEC-7035	Middle upright for all items - Color: RAL 7035 - 1200 mm
SRST-15-SHA-TEC-7012	Middle upright for all items - Color: RAL 7012- 1500 mm
SRST-15-SHA-TEC-7035	Middle upright for all items - Color: RAL 7035- 1500 mm
SRST-15-SHA-TEC-7012	Middle upright for all items - Color: RAL 7012 - 1800 mm
SRST-15-SHA-TEC-7035	Middle upright for all items - Color: RAL 7035 - 1800 mm

BIN RAIL 6

Required to hold any ½ item. 3 sizes to match standard workbench
Middle upright (SRST) is required.

Order Code	Size
RK-12-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1200 mm
RK-12-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1200 mm
RK-15-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1500 mm
RK-15-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1500 mm
RK-18-SHA-TEC-7012	Bin rail- Color: RAL 7012 - 1800 mm
RK-18-SHA-TEC-7035	Bin rail- Color: RAL 7035 - 1800 mm

1/2BIN RAIL 6a

Required to hold any ½ item. 3 sizes to match standard workbench
Middle upright (SRST) is required.

Order Code	Size
RK-12/2-SHA-TEC-7012	Bin rail fél Size - Color: RAL 7012 - 560 mm
RK-12/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 560 mm
RK-15/2-SHA-TEC-7012	Bin rail half Size - Color: RAL 7012 - 710 mm
RK-15/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 710 mm
RK-18/2-SHA-TEC-7012	Bin rail half Size - Color: RAL 7012 - 860 mm
RK-18/2-SHA-TEC-7035	Bin rail half Size - Color: RAL 7035 - 860 mm

PERFORATED PANEL 7

The panel can be equipped by different holders for additional equipment and tools storage.

Order Code	Size
PP-12-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1200 mm
PP-12-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1200 mm
PP-15-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1500 mm
PP-15-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1500 mm
PP-18-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1800 mm
PP-18-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1800 mm

1/2 PERFORATED PANEL 7a

The panel can be equipped by different holders for additional equipment and tools storage.
Middle upright (SRST) is required.

Order Code	Size
	d panel tech version - Color: RAL 7012 - 600 mm
	d panel tech version - Color: RAL 7035 - 600 mm
PP-15/2-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 750 mm
PP-15/2-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 750 mm
PP-18/2-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 900 mm
PP-18/2-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 900 mm

ESD SLOPED 8

With angle adjustment for working equipment. Load capacity: 50 kg.

Order Code	Size
PN-12-SHA-TEC-7012	Sloped shelf - Color: RAL 7012
PN-12-SHA-TEC-7035	Sloped shelf - Color: RAL 7035
PN-15-SHA-TEC-7012	Sloped shelf - Color: RAL 7012
PN-15-SHA-TEC-7035	Sloped shelf - Color: RAL 7035
PN-18-SHA-TEC-7012	Sloped shelf - Color: RAL 7012
PN-18-SHA-TEC-7035	Sloped shelf - Color: RAL 7035

IP Cantilever 9

It was designed for easy-to-reach attachings of drawings, and instruments.

Order Code	Size
IP-12-SHA-TEC-7012	Cantilever- Color: RAL 7012 - 1200 mm
IP-12-SHA-TEC-7035	Cantilever- Color: RAL 7035 - 1200 mm
IP-15-SHA-TEC-7012	Cantilever- Color: RAL 7012 - 1500 mm
IP-15-SHA-TEC-7035	Cantilever- Color: RAL 7035 - 1500 mm
IP-18-SHA-TEC-7012	Cantilever- Color: RAL 7012 - 1800 mm
IP-18-SHA-TEC-7035	Cantilever- Color: RAL 7035 - 1800 mm

REAR RACKS 12

Required for all modules. (Main shelf price contains rear racks)

Order Code	Size
RR-SHA-TEC-7012	Rear racks - Color: RAL 7012
RRS-SHA-TEC-7012	Rear racks small Size- Color: RAL 7012
RR-SHA-TEC-7035	Rear racks - Color: RAL 7035
RRS-SHA-TEC-7035	Rear racks small Size- Color: RAL 7035

ESD MODULAR WORKBENCHES AND ACCESSORIES - OSTROV

NEW!

These workbenches can be placed in a line to make a common working area with no gaps. Modular system allows customer to order only necessary parts and get workplaces for specific use. Sets of furniture can be adapted by additional equipment at any time after purchase. Steel sections frame coated with powder paint (dark grey - RAL 7012 or light grey - RAL 7035). The assembly and installation is quick and simple, clear assembly instruction are provided with each module. **Delivered in FLAT packaging.**

Two mirror-like situated workbenches allow effective use of space

VIKING

ESD WORKBENCH **1**

Two mirror-like situated workbenches allow effective use of space. Basic configuration includes 300 mm shelves for each workplace. Load capacity: 300 kg. Height adjusment: 655 - 950 mm Temperature restistance: 300 ° C

Order Code	Size
WB-12-OST-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1200 x 700 mm
WB-12-OST-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1200 x 700 mm
WB-12-OST-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1200 x 700 mm
WB-12-OST-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1200 x 700 mm
WB-15-OST-ESD-7012	Workbench ESD Version - Color: RAL 7012 - 1500 x 700 mm
WB-15-OST-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1500 x 700 mm
WB-15-OST-ESD-7035	Workbench ESD Version - Color: RAL 7035 - 1500 x 700 mm
WB-15-OST-TEC-7035	Workbench Technical Version - Color: RAL 7035 - 1500 x 700 mm
WB-18-7-OST-ESD-7012	Workbench ESD Version - Color: RAL 7012 -1800 x 700 mm
WB-18-7-OST-TEC-7012	Workbench Technical Version - Color: RAL 7012 - 1800 x 700 mm
WB-18-7-OST-ESD-7035	Workbench ESD Version - Color: RAL 7035 -1800 x 700 mm
WB-18-7-OST-TEC-7035	Workbench Technical Version - Color: RAL 7035- 1800 x 700 mm

ESD ADDITIONAL SHELF 2a

NEW!

Main shelf or rear racks required for all additional shelf. Load capacity: 50 kg. Height adjustment: 200 - 850 mm.

Order Code	Size
AS-12-3-OST-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1200 x 300 mm
AS-12-3-OST-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1200 x 300 mm
AS-12-3-OST-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1200 x 300 mm
AS-12-3-OST-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1200 x 300 mm
AS-15-3-OST-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1500x300 mm
AS-15-3-OST-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1500x300 mm
AS-15-3-OST-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1500x300 mm
AS-15-3-OST-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1500x300 mm
AS-18-3-OST-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1800x300 mm
AS-18-3-OST-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1800x300 mm
AS-18-3-OST-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1800x300 mm
AS-18-3-OST-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1800x300 mm
AS-12-4-OST-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1200x400 mm
AS-12-4-OST-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1200x400 mm
AS-12-4-OST-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1200x400 mm
AS-12-4-OST-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1200x400 mm
AS-15-4-OST-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1500x400 mm
AS-15-4-OST-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1500x400 mm
AS-15-4-OST-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1500x400 mm
AS-15-4-OST-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1500x400 mm
AS-18-4-OST-ESD-7012	Additional shelf ESD Version - Color: RAL 7012 - 1800x400 mm
AS-18-4-OST-TEC-7012	Additional shelf Technical Version - Color: RAL 7012 - 1800x400 mm
AS-18-4-OST-ESD-7035	Additional shelf ESD Version - Color: RAL 7035 - 1800x400 mm
AS-18-4-OST-TEC-7035	Additional shelf Technical Version - Color: RAL 7035 - 1800x400 mm

UNDERNEATH SHELF 2b

Not compatible with the orderable TP-01/P drawer. Load capacity: 100 kg. 2 versions: 30 and 40 cm depth.

Order Code	Size
US-12-3-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012 - 1200 x 300 mm
US-12-3-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1200 x 300 mm
US-12-3-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035 - 1200 x 300 mm
US-12-3-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1200 x 300 mm
US-15-3-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012 - 1500 x 300 mm
US-15-3-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1500 x 300 mm
US-15-3-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035 - 1500 x 300 mm
US-15-3-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1500 x 300 mm
US-18-3-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012- 1800 x 300 mm
US-18-3-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1800 x 300 mm
US-18-3-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035- 1800 x 300 mm
US-18-3-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1800 x 300 mm
US-12-4-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012- 1200 x 400 mm
US-12-4-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1200 x 400 mm
US-12-4-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035- 1200 x 400 mm
US-12-4-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1200 x 400 mm
US-15-4-SHA-ESD-7012	Underneath shelf ESD- Color: RAL 7012 - 1500 x 400 mm
US-15-4-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012 - 1500 x 500 mm
US-15-4-SHA-ESD-7035	Underneath shelf ESD- Color: RAL 7035- 1500 x 400 mm
US-15-4-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035 - 1500 x 500 mm
US-18-4-SHA-ESD-7012	Underneath shelf ESD - Color: RAL 7012 - 1800 x 400 mm
US-18-4-SHA-TEC-7012	Underneath shelf Technical - Color: RAL 7012- 1800 x 400 mm
US-18-4-SHA-ESD-7035	Underneath shelf ESD - Color: RAL 7035 - 1800 x 400 mm
US-18-4-SHA-TEC-7035	Underneath shelf Technical - Color: RAL 7035- 1800 x 400 mm

POWER PANEL `3`

4 sockets placed in an aluminium case with protective contact and 3 m cable. Panel can be equipped with additional sockets, earth leakage circuit breaker, automatic fuse and a phone jack. Nominal load capacity: 10 A.

Order Code	Size
EPL-12-SHA-TEC-GE	POWER PANEL - 1200 mm
EPL-15-SHA-TEC-GE	POWER PANEL - 1500 mm
EPL-18-SHA-TEC-GE	POWER PANEL - 1800 mm

WORKBENCH LIGHTING `4`

Aluminium case with 2 energy-efficient luminescent 54 W lamps. Height adjustment: 500 - 1350 mm.

Order Code	Size
DL-12/A-OST-TEC-7012	Workbench lighting - Color: RAL 7012 - 1200 mm
DL-12/A-OST-TEC-7035	Workbench lighting - Color: RAL 7035 - 1200 mm
DL-15/A-OST-TEC-7012	Workbench lighting - Color: RAL 7012- 1500 mm
DL-15/A-OST-TEC-7035	Workbench lighting - Color: RAL 7035- 1500 mm
DL-18/A-OST-TEC-7012	Workbench lighting - Color: RAL 7012 - 1800 mm
DL-18/A-OST-TEC-7035	Workbench lighting - Color: RAL 7035 - 1800 mm

DOUBLE BIN RAIL `5`

Required to hold any ½ item. 3 sizes to match standard workbench Load capacity: 10kg

Middle upright (SRST) is required.

Order Code	Size
RK-12-OST-TEC-7012	Bin rail- 1200 mm
RK-15-OST-TEC-7012	Bin rail- 1500 mm
RK-18-OST-TEC-7012	Bin rail- 1800 mm

DOUBLE PERFORATED PANEL `6`

The panel can be equipped by different holders for additional equipment and tools storage.

Middle upright (SRST) is required.

Order Code	Size
PP-12-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1200 mm
PP-12-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1200 mm
PP-15-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1500 mm
PP-15-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1500 mm
PP-18-SHA-TEC-7012	Perforated panel tech version - Color: RAL 7012 - 1800 mm
PP-18-SHA-TEC-7035	Perforated panel tech version - Color: RAL 7035 - 1800 mm

IP Cantilever `9`

It was designed for easy-to-reach attachings of drawings, and instruments.

Order Code	Size
IP-12-SHA-TEC-7012	Cantilever- Color: RAL 7012 - 1200 mm
IP-12-SHA-TEC-7035	Cantilever- Color: RAL 7035 - 1200 mm
IP-15-SHA-TEC-7012	Cantilever- Color: RAL 7012 - 1500 mm
IP-15-SHA-TEC-7035	Cantilever- Color: RAL 7035 - 1500 mm
IP-18-SHA-TEC-7012	Cantilever- Color: RAL 7012 - 1800 mm
IP-18-SHA-TEC-7035	Cantilever- Color: RAL 7035 - 1800 mm

OPTIONAL DRAWER UNITS   8   NEW!

Storage solution for tools and components, no place on floor required.

Order Code		Size
TP-01/P-SHA-ESD-7012	ESD	3 drawers ESD Version - Color: RAL 7012
TP-01/P-SHA-TEC-7012		3 drawers Technical Version - Color: RAL 7012
TP-01/P-SHA-ESD-7035	ESD	3 drawers ESD Version - Color: RAL 7035
TP-01/P-SHA-TEC-7035		3 drawers Technical Version - Color: RAL 7035
TP-02/P-SHA-ESD-7012	ESD	2 fiókos ESD Version - Color: RAL 7012
TP-02/P-SHA-TEC-7012		2 fiókos Technical Version - Color: RAL 7012
TP-02/P-SHA-ESD-7035	ESD	2 fiókos ESD Version - Color: RAL 7035
TP-02/P-SHA-TEC-7035		2 fiókos Technical Version - Color: RAL 7035

TABLETOP SECONDARY STRUCTURE

Shelves are equipped with additional wiring panel with the possibility of extension. Load capacity: 120 kg.

Order Code	Size
PO-IP-12	1200 x 400 x 65 mm
PO-IP-15	1500 x 400 x 65 mm
PO-IP-18	1800 x 400 x 65 mm

KEYBORD SUPPORT

Telescoping support saves space on the tabletop. Load capacity: 30 kg

Order Code	Size
-	N/A

MONITOR SUPPORT

Adjusting support helps to save space on the tabletop. Load capacity: 15 kg

Order Code	Size
PPM-03-ACC	N/A

SIDE LAMP

Consist of an aluminium case with 2 energy-efficient luminescent 24 W lamps, light direction regulation and shadowless reflector.

Order Code	Size
DLB-LBP01	N/A

EP POWER PANEL ACCESORRIES

Description
Single socket with grounding
Double socket with grounding
10 A automatic fuse
16 A automatic fuse
Circuit breaker (F362-25/2/0.03-A)
Circuit breaker (F362-16/2/0.01-A)
Automatic circuit breaker with power line disturbances suppression

SUSPENDED COMPTER CASE SUPPORT

Support helps to move the computer case around the area.

Order Code	Size
PPS-03-ACC	265 x 460 x 460 mm

PERFORATED PANEL ACCESSORIES

K01

K02

K03

K04

K05

K06

K07

K08

K09

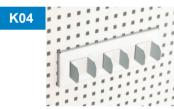| Order Code	Típus
K-01-7035-ACC	Hook for tweezers, 182 x 47 x 35 mm
K-02-7035-ACC	Hook for screwdrivers, 182 x 47 x 35 mm
K-03-7035-ACC	Holder for pliers, 182 x 130 x 45 mm
K-04-7035-ACC	Hook for tools, 182 x 45 x23 mm
K-05-7035-ACC	Holder for screwdrivers and Ø 9-13 mm drills, 180 x 100 x 30 mm
K-06-7035-ACC	Hook for spanners, 150 x 190 x 45 mm
K-07-7035-ACC	Double hook for heavy tools, 35 x 40 x 80 mm
K-08-7035-ACC	Tray for small components, 180 x 45 x 80 mm
K-09-7035-ACC	Tray for A4 size papers, 310 x 45 x 220 mm

RETRACTING MECHANISM

Designed to suspend instruments and make them easy-to-reach. Cable tension depends on the weight of the instrumnets which is limited by 1,2 kg.

Order Code	Size
KL-1200-ACC	N/A

FOOTREST

Helps to provide workers with an ergonomically correct sitting position.

Order Code	Size
PPN-02	400 x 300 mm

Drafts holders

Adjusting drafts holder. Supplied in a set with 2 VIKING magnets.

Order Code	Size
PPCH-01	430 x 310 mm

BIN RAIL

Aluminium rail can be installed wherever on the wall to provide storage bins attaching.

Order Code	Size
ARK-ACC	265 x 460 x 460 mm

Under-shelf LED lighting

Additional lighting can be mounted under the main shelf or attached to perforated panel. Suitable for any workbench series unit that is equipped with upper modules. It provides uniform illumination of the working area central zone.

Order Code	Size
Nem találom	265 x 460 x 460 mm

Movable DRAWER UNIT SUPPORT

PPT-01 movable drawer unit support is an additional unit that helps to turn stationary drawer units and cabinets into movable ones. It matches all standard cabinets (TMB-01/1 and TMB-02/1) and drawer units (DR-03/1, DR-05/1, DR-07/1 and DR-10/1).

Order Code	Size
PPT-01-ESD-ACC	Movable fiókos egység ESD Version
PPT-01-TEC-ACC	Movable fiókos egység Technical Version

SLIDING SHUTTERS SHELF

PO-ZHL additional shelf with sliding shutters can be mounted to any SR and VR series standard workbench which has Rear Racks. Additional shelf has two sliding shutters and a lock, which allows safe tools, equipment and documents storage.

Order Code	Size
PO-ZHL-12	1200 x 400 x 300 mm
PO-ZHL-15	1500 x 400 x 300 mm
PO-ZHL-18	1800 x 400 x 300 mm

ESD DRAWER UNITS

Steel frame units are designed for tools and components storage. Central lock, 360 mm telescoping drawers, 4 rubber castors (2 with brakes). Load capacity per drawer: 30 kg.

Drawer dimension: 45/100/165 x 400 x 505 mm.

TP-02/P

TP-01/P

TP-01/S

TP-02/S

A - 400x45x505 mm   **B** - 400x100x505 mm   **C** - 400x160x505 mm   **Load capacity / drawer: 30kg**

Drawer units		SUSPENDED		Movable	
		TP-01/P	**TP-03/P**	**TP-01/S**	**TP-02/S**
Size:		490x354x580 mm	490x233x580 mm	490x580x580 mm	490x650x580 mm
Quantity of drawers:		3	2	3	4
Drawers per units	**A**	1	1	-	1
	B	2	1	2	2
	C	-	-	1	1
Weight (kg):		20	15	25	32

Order Code		Size
TP-01/P-SHA-ESD-7012		3 drawers ESD Version - Color: RAL 7012
TP-01/P-SHA-TEC-7012		3 drawers Technical Version - Color: RAL 7012
TP-01/P-SHA-ESD-7035		3 drawers ESD Version - Color: RAL 7035
TP-01/P-SHA-TEC-7035		3 drawers Technical Version - Color: RAL 7035
TP-02/P-SHA-ESD-7012		2 fiókos ESD Version - Color: RAL 7012
TP-02/P-SHA-TEC-7012		2 fiókos Technical Version - Color: RAL 7012
TP-02/P-SHA-ESD-7035		2 fiókos ESD Version - Color: RAL 7035
TP-02/P-SHA-TEC-7035		2 fiókos Technical Version - Color: RAL 7035

ESD DRAWER UNITS

Acél keretes egységek, melyek eszközök, alkatrészek tárolására alkalmasak. Zárral felszereltek, 360 mm teleszkópos fiókok, 4 gumi görgő (ebből 2 fékkel). Terhelhetőség fiókonként: 30 kg

Fiók Size: 45/100/165 x 400 x 505 mm.

TMB-01

TMB-02

DR-03/1

DR-05/1

Szekrényes és Drawer units:		SUSPENDED		MOVABLE	
		TMB-01	TMB-02	DR-03/1	DR-05/1
Size:		500x800x590 mm	500x800x590 mm	500x800x580 mm	500x800x590 mm
Quantity of drawers:		2 shelves	1	3	5
Drawers per units	B	-	1	-	4
	C	-	-	3	1
Weight (kg):		25	30	35	40

Order Code	Size
TMB-01-CAB-ESD-7035	Stationary cabinet ESD Version- Color: RAL 7035
TMB-01-CAB-TEC-7035	Stationary cabinet Technical Version - Color: RAL 7035
TMB-01-CAB-ESD-7012	Stationary cabinet ESD Version- Color: RAL 7012
TMB-01-CAB-TEC-7012	Stationary cabinet Technical Version - Color: RAL 7012
TMB-02-CAB-ESD-7035	Stationary cabinet ESD Version- Color: RAL 7035
TMB-02-CAB-TEC-7035	Stationary cabinet Technical Version - Color: RAL 7035
TMB-02-CAB-ESD-7012	Stationary cabinet ESD Version- Color: RAL 7012
TMB-02-CAB-TEC-7012	Stationary cabinet Technical Version - Color: RAL 7012
DR-03/1-DRU-ESD-7035	Stationary cabinet with drawers ESD Version- Color: RAL 7035
DR-03/1-DRU-TEC-7035	Stationary cabinet with drawersTechnical Version - Color: RAL 7035
DR-03/1-DRU-ESD-7012	Stationary cabinet with drawersESD Version- Color: RAL 7012
DR-03/1-DRU-TEC-7012	Stationary cabinet with drawersTechnical Version - Color: RAL 7012
DR-05/1-DRU-ESD-7035	Stationary cabinet with drawers ESD Version- Color: RAL 7035
DR-05/1-DRU-TEC-7035	Stationary cabinet with drawersTechnical Version - Color: RAL 7035
DR-05/1-DRU-ESD-7012	Stationary cabinet with drawersESD Version- Color: RAL 7012
DR-05/1-DRU-TEC-7012	Stationary cabinet with drawersTechnical Version - Color: RAL 7012

ESD ENLARGED DRAWER UNITS

Steel frame enlarged stationary drawer units are designed for tools and components storage; can be also used as additional workplaces.
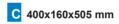
DR-07/1

DR-10/1

TMB-03

A	400x45x505 mm	B	400x100x505 mm	C	400x160x505 mm

		DR-07/1	DR-10/1	TMB-03
Size:		500x1040x590 mm	500.1520x590 mm	540x1050x500 mm
Quantity of drawers:		7	10	2 lockable
Drawers per units	A	2	1	-
	B	2	5	-
	C	3	4	-
Weight (kg) (kg)		55	75	20

Order Code	Size
DR-07/1-DRU-ESD-7035	Expanded standing drawer unit ESD Version- Color: RAL 7035
DR-07/1-DRU-TEC-7035	Expanded standing drawer unit Technical Version - Color: RAL 7035
DR-07/1-DRU-ESD-7012	Expanded standing drawer unit ESD Version- Color: RAL 7012
DR-07/1-DRU-TEC-7012	Expanded standing drawer unit Technical Version - Color: RAL 7012
DR-10/1-DRU-ESD-7035	Expanded standing drawer unit ESD Version- Color: RAL 7035
DR-10/1-DRU-TEC-7035	Expanded standing drawer unit Technical Version - Color: RAL 7035
DR-10/1-DRU-ESD-7012	Expanded standing drawer unit ESD Version- Color: RAL 7012
DR-10/1-DRU-TEC-7012	Expanded standing drawer unit Technical Version - Color: RAL 7012
TMB-03-ESD-7035	Expanded standing drawer unit ESD Version- Color: RAL 7035
TMB-03-TEC-7035	Expanded standing drawer unit Technical Version - Color: RAL 7035
TMB-03-ESD-7012	Expanded standing drawer unit ESD Version- Color: RAL 7012
TMB-03-TEC-7012	Expanded standing drawer unit Technical Version - Color: RAL 7012

ESD DRAWER DIVIDER SETS

Dividers help to organize drawer internal space according to specific needs. One can modify the space to many cells according to the number and dimensions of items needed to store: instruments, PCBs, mounting elements, or other items.

D-10/A

400 x 45 x 505 mm
4 longitudinal dividers
6 transversal dividers
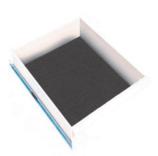Up to 35 different cells

D-11/B

400 x 100 x 505 mm
3 longitudinal dividers
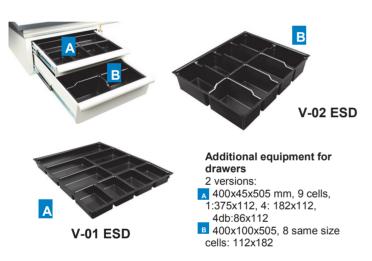4 big / 4 small profiled transversal dividers
Up to 10 different cells

D1-6/B

400 x 100 x 505 mm
4 longitudinal dividers
6 medium / 6 small profiled transversal dividers
Up to 15 different cells

KD/AB

360 x 100 x 310 mm
2 longitudinal dividers
4 transversal dividers
Up to 15 different cellslla

B

A

B

V-02 ESD

A

V-01 ESD

Additional equipment for drawers
2 versions:
A 400x45x505 mm, 9 cells, 1:375x112, 4: 182x112, 4db:86x112
B 400x100x505, 8 same size cells: 112x182

Order Code	Size
D-10/A-7035-ACC	4 longitudinal , 6 transversal divider. Up to 35 cells - Color: RAL 7035
D-10/A-7012-ACC	4 longitudinal , 6 transversal divider. Up to 35 cells - Color: RAL 7012
D-11/B-7035-ACC	3 longitudinal , 4 big and smallátlós divider. Up to 10 cells - Color: RAL 7035
D-11/B-7012-ACC	3 longitudinal , 4 big and smallátlós divider. Up to 10 cells - Color: RAL 7012
D1-6/B-7035-ACC	4 longitudinal , 6 medium and smallvariable divider. Up to 15 cells - Color: RAL 7035
D1-6/B-7012-ACC	4 longitudinal , 6 medium and smallvariable divider. Up to 15 cells - Color: RAL 7012
KD-AB-7035-ACC	Small carpet for technical drawers- Color: RAL 7035
KD-AB-7012-ACC	Small carpet for technical drawers- Color: RAL 7012
V-01 ESD	Divider unit into drawers
V-02 ESD	Divider unit into drawers

ESD TRANSPORTATION CARTS

Transportation carts are used for tools and components storage and transportation. Metal carts are equipped with four 75 mm (for DLB-TT02-ESD, DLB-TT03-ESD carts) or 125 mm (for DLB-TT04-ESD cart) casters, 2 of which are with brakes, and height adjustable shelves.

TT-02

TT-03

TT_04

	TT-02	TT-03	TT-04
Size:	470x990x840 mm	470x990x840 mm	615x1560x1270 mm
Number of shelves:	2	3	4
Shelves height:	140-800 mm	140-800 mm	190-1480 mm
Load capacity:	100 kg	100 kg	100 kg

Order Code		Size
TT-02-TRC-ESD-7035		Transportation carts - Color: RAL 7035
TT-02-TRC-TEC-7035		Transportation carts - Color: RAL 7035
TT-02-TRC-ESD-7012		Transportation carts - Color: RAL 7012
TT-02-TRC-TEC-7012		Transportation carts - Color: RAL 7012
TT-03-TRC-ESD-7035		Transportation carts - Color: RAL 7035
TT-03-TRC-TEC-7035		Transportation carts - Color: RAL 7035
TT-03-TRC-ESD-7012		Transportation carts - Color: RAL 7012
TT-03-TRC-TEC-7012		Transportation carts - Color: RAL 7012
TT-04-TRC-ESD-7035		Transportation carts - Color: RAL 7035
TT-04-TRC-TEC-7035		Transportation carts - Color: RAL 7035
TT-04-TRC-ESD-7012		Transportation carts - Color: RAL 7012
TT-04-TRC-TEC-7012		Transportation carts - Color: RAL 7012

ESD Movable TABLES

All movable tables are equipped with 4 conductive castors (2 with brakes). Height adjustment: 650 - 950 mm. Load capacity: 150 kg

PS-07 COMFORT

PS-07, PS-10, PS-15

AL-PS

	PS-07 COMFORT	PS-07	PS-10	PS-15
Size:	710x515 mm	710x515 mm	700x1000 mm	700x1500 mm
Load capacity:	100 kg	150 kg	150 kg	150 kg

Order Code	Size
PS-7-MTB-ESD-7035	Movable table - Color: RAL 7035
PS-7-MTB-TEC-7035	Movable table - Color: RAL 7035
PS-7-MTB-ESD-7012	Movable table - Color: RAL 7012
PS-7-MTB-TEC-7012	Movable table - Color: RAL 7012
PS-10-MTB-ESD-7035	Movable table - Color: RAL 7035
PS-10-MTB-TEC-7035	Movable table - Color: RAL 7035
PS-10-MTB-ESD-7012	Movable table - Color: RAL 7012
PS-10-MTB-TEC-7012	Movable table - Color: RAL 7012
PS-15-MTB-ESD-7035	Movable table - Color: RAL 7035
PS-15-MTB-TEC-7035	Movable table - Color: RAL 7035
PS-15-MTB-ESD-7012	Movable table - Color: RAL 7012
PS-15-MTB-TEC-7012	Movable table - Color: RAL 7012

AL-PS Alliance Movable table

Movable tables is used for tools and components storage and transportation. Equipped with four 75 mm casters, 2 of which are with brakes. Height adjustment: 650-950 mm.

-3 shelves with height adjustment.
-Dimensions: 690 x 840 x 460
-Load capacity: 150 kg.

DUAL MOVABLE COUNTER

Dual movable counter for accessories: a rack coated with conductive powder paint. Lower shelf made of ESD laminated chipboard 25 mm thick. Counter is equipped with 4 conductive castors (2 with brakes) and six rails for boxes. Load capacity: 100 kg. **Bins are not included.**

Order Code	Size
SKM-DMC-ESD-7035	ESD Version Color: RAL 7035
SKM-DMC-ESD-7012	Technical Version, Color: RAL 7035

MOVABLE REPAIRING COUNTER

Drawer unit: 500 x 800 x 590 mm, front perforated panel: 525 x 600 mm, rear perforated panel: 550 x 570 mm, load capacity: 10 kg (front panel), 5 kg (rear panel)

Order Code	Size
ST-R-TRY-TEC-7035	Movable repair counter, Color: RAL 7035
ST-R-TRY-TEC-7012	Movable repair counter, Color: RAL 7012

EQUIPMENT TROLLEYS

5 height-adjustable shelves and power panel with 5 grounded and 1 ungrounded sockets, lateral position of power panel, equipped with 4 conductive castors (2 with brakes), load capacity: 150 kg

ST5   **ST5 Comfort**

Order Code	Size
ST-5-TRY-ESD-7035	Equip. trolley ESD Version, Color: RAL 7035
ST-5-TRY-TEC-7035	Equip. trolley Technical Version, Color: RAL 7035
ST-5-TRY-ESD-7012	Equip. trolley ESD Version, Color: RAL 7012
ST-5-TRY-TEC-7012	Equip. trolley Technical Version, Color: RAL 7012
ST-5Com-TRY-ESD-7035	Comfort Equip. trolley ESD Version, Color: RAL 7035
ST-5Com-TRY-TEC-703	Comfort Equip. trolley Technical Version, Color: RAL 7035
ST-5Com-TRY-ESD-7012	Comfort Equip. trolley ESD Version, Color: RAL 7012
ST-5Com-TRY-TEC-7012	Comfort Equip. trolley Technical Version, Color: RAL 7012

MOVABLE COUNTER

5 height-adjustable shelves, (500 x 1605 x 600 mm), 2 conductive castors with brakes. Load capacity: 150 kg/shelf

Order Code	Size
ST-06-TRY-ESD-7035	Movable counter ESD Vezió, Color: RAL 7035
ST-06-TRY-TEC-7035	Mov. counter NEM ESD Vezió, Color: RAL 7035
ST-06-TRY-ESD-7012	Movable counter ESD Vezió, Color: RAL 7012
ST-06-TRY-TEC-7012	Mov. counter NEM ESD Vezió, Color: RAL 7012

MOVABLE PACKING TROLLEY

Auxiliary trolley, movable packing trolley equipped with four 75 mm casters, two of which with brakes.

Order Code	Max. tekercs szélesség
SUS-TRY-TEC-7035	Movable packing trolley Technical Version, Color: RAL 7035
SUS-TRY-TEC-7012	Movable packing trolley Technical Version, Color: RAL 7012

MOVABLE EQUIPMENT COUNTER

Movable euipment counter. 4 conductive castors with brakes Size: 800x1600x690 mm. Load capacity: 100kg / shelf

Order Code	Size
ST-VR ESD	800x1600x690 mm

MOVABLE WORK TROLLEYS

5 height-adjustable shelves and power panel with 5 grounded and 1 ungrounded sockets, lateral position of power panel, equipped with 4 conductive castors (2 with brakes), load capacity: 150 kg

Order Code	Size
AL-ST-TRY-ESD-7035	Equip. trolley ESD Version, Color: RAL 7035
AL-ST-TRY-TEC-7035	Equip. trolley Technical Version, Color: RAL 7035
AL-ST-TRY-ESD-7012	Equip. trolley ESD Version, Color: RAL 7012
AL-ST-TRY-TEC-7012	Equip. trolley Technical Version, Color: RAL 7012

ESD CABINETS

4 adjustable shelves with 50 mm pitches. Load capacity per shelf: 30 kg. Central lock. For DLB-SHKH1-ESD (30) and DLB-SHKH2-ESD (16) cabinets 360 mm telescoping drawers (310 x 100 x 370 mm) included.

1a

2

3

4

1b

Pic number:		Size	Weight (kg) KG
	SHD-1, SHD-2 filling cabinet		
1a	SHD-01	1000x1950x550	80
	SHD-02	820x11850x450	62
1b	SHD-03	820x1000x450	40
	SHO-1 , SHO-2 Wardrobe		-
2	SHO-1	1000x1950x550	68
	SHO-2	820x1850x450	52

Pic number:		Size	Weight (kg) KG
	SHD-1, SHD-2 filling cabinet		
3	SHK-1	1000x1950x550	78
	SHK-2	820x11850x450	58
	SHO-1 , SHO-2 Wardrobe		-
4	SHKH-1	820x1850x450	127
	SHKH-2	820x1060x450	69

Order Code		Size
SHD-1-CAB-ESD-7035		Cabinet ESD Version, Color: RAL 7035
SHD-1-CAB-TEC-7035		Cabinet. Technical Version, Color: RAL 7035
SHD-1-CAB-ESD-7012		Cabinet ESD Version, Color: RAL 7012
SHD-1-CAB-TEC-7012		Cabinet. Technical Version, Color: RAL 7012
SHD-2-CAB-ESD-7035		Cabinet ESD Version, Color: RAL 7035
SHD-2-CAB-TEC-7035		Cabinet. Technical Version, Color: RAL 7035
SHD-2-CAB-ESD-7012		Cabinet ESD Version, Color: RAL 7012
SHD-2-CAB-TEC-7012		Cabinet. Technical Version, Color: RAL 7012
SHD-3-CAB-ESD-7035		Cabinet ESD Version, Color: RAL 7035
SHD-3-CAB-TEC-7035		Cabinet. Technical Version, Color: RAL 7035
SHD-3-CAB-ESD-7012		Cabinet ESD Version, Color: RAL 7012
SHD-3-CAB-TEC-7012		Cabinet. Technical Version, Color: RAL 7012
SHO-1-CAB-ESD-7035		Wardrobe ESD Version, Color: RAL 7035
SHO-1-CAB-TEC-7035		Cabinet Technical Version, Color: RAL 7035
SHO-1-CAB-ESD-7012		Wardrobe ESD Version, Color: RAL 7012
SHO-1-CAB-TEC-7012		Cabinet Technical Version, Color: RAL 7012
SHO-2-CAB-ESD-7035		Wardrobe ESD Version, Color: RAL 7035
SHO-2-CAB-TEC-7035		Cabinet Technical Version, Color: RAL 7035
SHO-2-CAB-ESD-7012		Wardrobe ESD Version, Color: RAL 7012
SHO-2-CAB-TEC-7012		Cabinet Technical Version, Color: RAL 7012

Order Code		Size
SHK-1-CAB-ESD-7035		Combined cabinet. ESD Version, Color: RAL 7035
SHK-1-CAB-TEC-7035		Combined cabinet. Technical Version, Color: RAL 7035
SHK-1-CAB-ESD-7012		Combined cabinet. ESD Version, Color: RAL 7035
SHK-1-CAB-TEC-7012		Combined cabinet. Technical Version, Color: RAL 7035
SHK-2-CAB-ESD-7035		Combined cabinet. ESD Version, Color: RAL 7035
SHK-2-CAB-TEC-7035		Combined cabinet. Technical Version, Color: RAL 7035
SHK-2-CAB-ESD-7012		Combined cabinet. ESD Version, Color: RAL 7035
SHK-2-CAB-TEC-7012		Combined cabinet. Technical Version, Color: RAL 7035
SHKH-1-CAB-ESD-7035		Combined cabinet. ESD Version, Color: RAL 7035
SHKH-1-CAB-TEC-7035		Combined cabinet. Technical Version, Color: RAL 7035
SHKH-1-CAB-ESD-7012		Combined cabinet. ESD Version, Color: RAL 7035
SHKH-1-CAB-TEC-7012		Combined cabinet. Technical Version, Color: RAL 7035
SHKH-2-CAB-ESD-7035		Combined cabinet. ESD Version, Color: RAL 7035
SHKH-2-CAB-TEC-7035		Combined cabinet. Technical Version, Color: RAL 7035
SHKH-2-CAB-ESD-7012		Combined cabinet. ESD Version, Color: RAL 7035
SHKH-2-CAB-TEC-7012		Combined cabinet. Technical Version, Color: RAL 7035

ESD SHELVINGS

NEW!

5 adjustable shelves (in case of DLB-STU01-ESD: 6 adjustable shelves) with 50 mm pitches. Garmnet bar is included. Load capacity per shelf: 30 kg.

1

Load capacity: 180 kg

2

Load capacity: 110 kg

3

Load capacity: 640 kg (200kg / shelf)

IMAGE:	SIZE	
1	STU-01	820x1850x430
2	STU-02	820x1850x430
	STU-03	1000x1850x530
	STU-04	820x1950x430
	STU-05	1000x1950x530
3	STS-12	1200x1800x600
	STS-15	1500x1800x600

SHELVES:	CAN BE USED FOR THESE
PL-1	SHD-1, STU-03, STU-05
PL-2	SHD-2, SHD-3, STU-01, STU-02, STU-04
PO-STS-12	STS-12
PO-STS-15	STS-15

Order Code	Size
STU-01-SLV-ESD-7035 STU-01-SLV-TEC-7035 STU-01-SLV-ESD-7012 STU-01-SLV-TEC-7012	Unversal shelf ESD Version Color: RAL 7035 - 820 x 1850 x 430 Unversal shelf Technical Version Color: RAL 7035 - 820 x 1850 x 430 Unversal shelf ESD Version Color: RAL 7012 - 820 x 1850 x 430 Unversal shelf Technical Version Color: RAL 7012 - 820 x 1850 x 430
STU-02-SLV-ESD-7035 STU-02-SLV-TEC-7035 STU-02-SLV-ESD-7012 STU-02-SLV-TEC-7012	Unversal shelf ESD Version Color: RAL 7035 - 820 x 1850 x 430 Unversal shelf Technical Version Color: RAL 7035 - 820 x 1850 x 430 Unversal shelf ESD Version Color: RAL 7012 - 820 x 1850 x 430 Unversal shelf Technical Version Color: RAL 7012 - 820 x 1850 x 430
STU-03-SLV-ESD-7035 STU-03-SLV-TEC-7035 STU-03-SLV-ESD-7012 STU-03-SLV-TEC-7012	Unversal shelf ESD Version Color: RAL 7035 - 1000 x 1850 x 430 Unversal shelf Technical Version Color: RAL 7035 - 1000 x 1850 x 430 Unversal shelf ESD Version Color: RAL 7012 - 1000 x 1850 x 430 Unversal shelf Technical Version Color: RAL 7012 - 1000 x 1850 x 430
STU-04-SLV-ESD-7035 STU-04-SLV-TEC-7035 STU-04-SLV-ESD-7012 STU-04-SLV-TEC-7012	Unversal shelf ESD Version Color: RAL 7035 - 820 x 1950 x 430 Unversal shelf Technical Version Color: RAL 7035 - 820 x 1950 x 430 Unversal shelf ESD Version Color: RAL 7012 - 820 x 1950 x 430 Unversal shelf Technical Version Color: RAL 7012 - 820 x 1950 x 430
STU-05-SLV-ESD-7035 STU-05-SLV-TEC-7035 STU-05-SLV-ESD-7012 STU-05-SLV-TEC-7012	Unversal shelf ESD Version Color: RAL 7035 - 1000 x 1950 x 530 Unversal shelf Technical Version Color: RAL 7035 - 1000 x 1950 x 530 Unversal shelf ESD Version Color: RAL 7012 - 1000 x 1950 x 530 Unversal shelf Technical Version Color: RAL 7012 - 1000 x 1950 x 530
STS-12-RFS-ESD-7035 STS-12-RFS-TEC-7035 STS-12-RFS-ESD-7012 STS-12-RFS-TEC-7012	Hardened shelf ESD Version Color: RAL 7035 - 1200 x 1800 x 600 Hardened shelf Technical Version Color: RAL 7035 - 1200 x 1800 x 600 Hardened shelf ESD Version Color: RAL 7012 - 1200 x 1800 x 600 Hardened shelf Technical Version Color: RAL 7012 - 1200 x 1800 x 600
STS-15-RFS-ESD-7035 STS-15-RFS-TEC-7035 STS-15-RFS-ESD-7012 STS-15-RFS-TEC-7012	Hardened shelf ESD Version Color: RAL 7035 - 1500 x 1800 x 600 Hardened shelf Technical Version Color: RAL 7035 - 1500 x 1800 x 600 Hardened shelf ESD Version Color: RAL 7012 - 1500 x 1800 x 600 Hardened shelf Technical Version Color: RAL 7012 - 1500 x 1800 x 600

SLIDING SHUTTERS CABINET

Sliding shutters cabinet is a compact metal cabinet with two sliding shutters and a lock in the middle. Each section equipped with 2 shelves and inner dividers to provide convinent documents storage. Load capacity per shelf: 50 kg.

Order Code	Size
SHDZH-1	615 x 1700 x 400 mm

SLIDING SHUTTERS CABINET

Sliding shutters cabinet is a compact metal cabinet with two sliding shutters and a lock in the middle. Each section equipped with 2 shelves and inner dividers to provide convinent documents storage. Lower section has 2 standard shelves and metal doors with a lock. Load capacity per shelf: 50 kg.
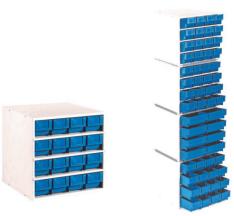
Order Code	Size
SHDZH-2	1000 x 1850 x 450 mm

STATIONARY MODULAR STORAGE COUTNTER

Stationary modular storage counter is a practical, compact and high-capacity solution for components and tools keeping, that provides convenience of their usage in different production processes. Turntable modular counter is equipped with bin cabinets containing 2 types of plastic bins narrow and wide.

Order Code	Size
SP-01/S-1	16 narrow cabinet 395 x 400 x 400 mm
SP-01/S-2	8 wider cabinet 395 x 400 x 400 mm
SP-01/PM	This modules is necessary if one wants to built up customized modular set.

TURNTABLE MODULAR STORAGE COUTNTER

Turntable modular storage counter is a practical, compact and high-capacity solution for components and tools keeping, that provides convenience of their usage in different production processes. Turntable modular counter is equipped with bin cabinets containing 2 types of plastic bins narrow and wide.

Order Code	Size
SP-01/S-1	16 narrow cabinet 395 x 400 x 400 mm
SP-01/S-2	8 wider cabinet 395 x 400 x 400 mm
SP-01/K	This modules is necessary if one wants to built up customized modular set.

ESD ECONO I. FABRIC CHAIRS

Adjustable backrest angle, backrest height adjustment, ergonomic seat and backrest, ESD fabric, chrome plated base with 5 ESD castors, load capacity: 120 kg, Rs: 10^6 Ohm, Rg: 10^6 Ohm

DLB-942　　　　　**DLB-941/C**
*with conductive plastic parts

Order Code	Size / Colour
DLB-942/9811	450 - 600 mm / grey
DLB-942/9801	450 - 600 mm / black
DLB-941C/9811	450 - 600 mm / grey
DLB-941C/9801	450 - 600 mm / black

DLB-944　　　　　**DLB-943/C**
*with conductive plastic parts

Order Code	Size / Colour
DLB-944/9811	600 - 900 mm / grey
DLB-944/9801	600 - 900 mm / black
DLB-943C/9811	600 - 900 mm / grey
DLB-943C/9801	600 - 900 mm / black

*Blue and red colour are also available!

ESD ECONO II. FABRIC CHAIRS

Synchronous mechanism, adjustable backrest angle, backrest height adjustment, ergonomic seat and back rest, ESD, chrome plated base with 5 ESD castors, load capacity: 120 kg, Rs: 10^6 Ohm, Rg: 10^6 Ohm

DLB-948　　　　　**DLB-947/C**
*with conductive plastic parts

Order Code	Size / Colour
DLB-948/9811	450 - 600 mm / grey
DLB-948/9801	450 - 600 mm / black
DLB-947C/9811	450 - 600 mm / grey
DLB-947C/9801	450 - 600 mm / black

DLB-950　　　　　**DLB-949/C**
*with conductive plastic parts

Order Code	Size / Colour
DLB-950/9811	600 - 900 mm / grey
DLB-950/9801	600 - 900 mm / black
DLB-949C/9811	600 - 900 mm / grey
DLB-949C/9801	600 - 900 mm / black

*Blue and red colour are also available!

NORM I. PU ERGONOMIC CHAIR

Adjustable backrest angle, backrest geight adjustment, ergonomic poliurethane seat and back rest, chrome plated base with 5 castors or feet, Load capacity 120 kg.

Order Code	Size
DLB-900	450 - 600 mm / with castors
DLB-901	450 - 600 mm / with feet
DLB-902	450 - 600 mm / with castors
DLB-903	450 - 600 mm / with feet

NORM II. PU ERGONOMIC CHAIR

Synchronous mechanism, adjustable backrest angle, backrest geight adjustment, ergonomic poliurethane seat and back rest, chrome plated base with 5 castors or feet, Load capacity 120 kg.

Order Code	Size
DLB-905	450 - 600 mm / with castors
DLB-906	450 - 600 mm / with feet
DLB-907	450 - 600 mm / with castors
DLB-908	450 - 600 mm / with feet

NORM III. PU CHAIR

Adjustable backrest angle, backrest geight adjustment, ergonomic poliurethane seat and back rest, chrome plated base with 5 castors or feet, Load capacity 120 kg.

Order Code	Size
DLB-910	450 - 600 mm / with castors
DLB-911	450 - 600 mm / with feet
DLB-912	450 - 600 mm / with castors
DLB-913	450 - 600 mm / with feet

NORM IV. PU CHAIR

Synchronous mechanism, adjustable backrest angle, backrest geight adjustment, ergonomic poliurethane seat and back rest, chrome plated base with 5 castors or feet, Load capacity 120 kg.

Order Code	Size
DLB-915	450 - 600 mm / with castors
DLB-916	450 - 600 mm / with feet
DLB-917	450 - 600 mm / with castors
DLB-918	450 - 600 mm / with feet

NORM V. WOOD CHAIR

Backrest geight adjustment, wood seat and back rest, chrome plated base with 5 castors or feet, Load capacity: 120 kg.

Order Code	Size
DLB-920	450 - 600 mm / with castors
DLB-921	450 - 600 mm / with feet
DLB-922	450 - 600 mm / with castors
DLB-923	450 - 600 mm / with feet

NORM VI. ERGONOMIC WOOD

Backrest geight adjustment, ergonomic wood seat and back rest, chrome plated base with 5 castors or feet, Load capacity: 120 kg.

Order Code	Size
DLB-925	450 - 600 mm / with castors
DLB-926	450 - 600 mm / with feet
DLB-927	450 - 600 mm / with castors
DLB-928	450 - 600 mm / with feet

NORM VII. STANDING REST

Ergonomic poliurethane seat, chrome plated base with 5 castors or feet, Load capacity: 120 kg.

Order Code	Size
DLB-930	450 - 600 mm / with castors
DLB-931	450 - 600 mm / with feet

NORM VIII. ERGONOMIC STANDING REST

Ergonomic poliurethane seat, chrome plated base with feet, foot rest, Load capacity: 120 kg.

Order Code	Size
DLB-932	450 - 600 mm / with castors

MINI DC IONIZING BLOWER

⇒ Supply Power: AC 220 V / 50 Hz
⇒ Operating Current: 0,015 A (at the highest speed)
⇒ Maximal air output: 85 CFM
⇒ Effective Coverage: 150 - 600 mm
⇒ Ion Balance: ± 10V
⇒ Decay time: ± 2 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ℃ (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W85mm x H100mm x D33mm (ionizing blower), W106mm x H57mm x D130mm (control box)
⇒ Transmission Line: 2 m
⇒ Material: Aluminium plates
⇒ Weight: 220 gr (ionizer) + 800 gr (control box)

Order Code	Type
BFN-700	Mini DC Ionizing Blower

DESKTOP DC IONIZING BLOWER

⇒ Supply Power: AC 220 V / 50 Hz
⇒ Operating Current: 0,075 A (at the highest speed)
⇒ Maximal air output: 150 CFM
⇒ Effective Coverage: 300 - 900 mm
⇒ Ion Balance: ± 5V
⇒ Decay time: ≤ 2 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ℃ (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W175mm x H200mm x D75mm
⇒ Material: Aluminium plates
⇒ Weight: 1,5 kg
⇒ Options: Alarm and Network function for the central control

Order Code	Type
BFN-701	Desktop DC Ionizing Blower
BFN-701+NET	Desktop DC Ionizing Blower + NET function

OVERHEAD DC IONIZING BLOWER

⇒ 2 fan + Lighing
⇒ Supply Power: AC 220 V / 50 Hz
⇒ Operating Current: 0,15 A (at the highest speed)
⇒ Maximal air output: 160 CFM (one fan)
⇒ Effective Coverage: 300 - 1200 mm
⇒ Ion Balance: ± 5V
⇒ Decay time: ± 2 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ℃ (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W555mm x H85mm x D180mm
⇒ Material: Aluminium plates
⇒ Weight: 3 kg
⇒ Options: Alarm and Network function for the central control

Order Code	Type
BFN-702	Overhead DC Ionizing Blower
BFN-702+NET	Overhead DC Ionizing Blower + NET function

OVERHEAD DC IONIZING BLOWER

⇒ 3 fan + Lighing
⇒ Supply Power: AC 220 V / 50 Hz
⇒ Operating Current: 0,18 A (at the highest speed)
⇒ Maximal air output: 160 CFM (one fan)
⇒ Effective Coverage: 300 - 1600 mm
⇒ Ion Balance: ± 5V
⇒ Decay time: ± 2 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ℃ (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W955mm x H85mm x D180mm
⇒ Material: Aluminium plates
⇒ Weight: 4 kg
⇒ Options: Alarm and Network function for the central control

Order Code	Type
BFN-703	Overhead DC Ionizing Blower
BFN-703+NET	Overhead DC Ionizing Blower + NET function

DESKTOP AC IONIZING BLOWER

⇒ Supply Power: AC 220 V / 50 Hz
⇒ Operating Current: 0,15 A (at the highest speed)
⇒ Maximal air output: 200 CFM
⇒ Effective Coverage: 300 - 900 mm
⇒ Ion Balance: ± 10V
⇒ Decay time: ± 2 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ºC (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W220mm x H285mm x D110mm
⇒ Material: Cold rolling steel
⇒ Weight: 3,75 kg

Order Code	Type
BFN-801	Desktop AC Ionizing Blower
BFN-801+NET	Desktop AC Ionizing Blower + NET function

DESKTOP AC OVERHEAD IONIZINGBLOWER

⇒ 2 fan + Lighing
⇒ Supply Power: AC 220 V / 50 Hz
⇒ Operating Current: 0,32 A (at the highest speed)
⇒ Maximal air output: 210 CFM (one fan)
⇒ Effective Coverage: 300 - 1200 mm
⇒ Ion Balance: ± 10V
⇒ Decay time: ± 2 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ºC (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W585mm x H185mm x D85mm
⇒ Material: Cold rolling steel
⇒ Weight: 5,8 kg

Order Code	Type
BFN-802	Overhead AC Ionizing Blower
BFN-802+NET	Overhead AC Ionizing Blower + NET function

DESKTOP AC OVERHEAD IONIZING BLOWER

⇒ 3 fan + Lighing
⇒ Supply Power: AC 220 V / 50 Hz
⇒ Operating Current: 0,5 A (at the highest speed)
⇒ Maximal air output: 210 CFM (one fan)
⇒ Effective Coverage: 300 - 1600 mm
⇒ Ion Balance: ± 10V
⇒ Decay time: ± 2 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ºC (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W985mm x H185mm x D115mm
⇒ Material: Cold rolling steel
⇒ Weight: 8,3 kg

Order Code	Type
BFN-803	Overhead AC Ionizing Blower
BFN-803+NET	Overhead AC Ionizing Blower + NET function

HORIZONTAL AC IONIZING BLOWER

⇒ Adjutable heater function
⇒ Supply Power: AC 220 V / 50 Hz
⇒ Operating Current: 0,5 A (at the highest speed with heater)
⇒ Maximal air output: 230 CFM
⇒ Effective Coverage: 300 - 1200 mm
⇒ Ion Balance: ± 10V
⇒ Decay time: ± 2 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ºC (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W500mm x H185mm x D110mm
⇒ Material: Cold rolling steel
⇒ Weight: 6,9 kg

Order Code	Type
BFN-8412	Horizontal AC Ionizing Blower

IONIZING AIR GUN

⇒ Power: Input AC 220 V / 50 Hz, Output DC 24V/0,5A
⇒ Operating Current: 0,15A (at the highest speed)
⇒ Compressed air: ≤ 0,6 MPa
⇒ Effective Coverage: 300 - 900 mm
⇒ Ion Balance: ± 15V
⇒ Decay time: ± 1 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ºC (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W127mm x H198mm x D28mm
⇒ Material: ABS Fireproof
⇒ Weight: 250 gr

Order Code	Type
BFN-HFG9	Ionizing Air Gun

IONIZING AIR GUN

NEW!

⇒ Power: Input AC 220 V / 50 Hz
⇒ Air compression: ≤ 0,6 MPa
⇒ Air pipe connector size: Diameter φ 6 mm
⇒ Working area: 100 - 800 mm
⇒ Ion Balance: ± 15V
⇒ Decay time: ± 1 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ºC (temperature), 20% - 85% (relative humidity)
⇒ Ozone concentration: 0.002PPM
⇒ Colour: light grey
⇒ Dimension: 166 x 84 x 35,5 mm (power adapter), 210 x 87 x 26,5 mm (gun body)
⇒ Material: ABS Fireproof
⇒ Weight: 0,95 kg (Power adapter + Gun)

Order Code	Type
BFN-HFG10	Ionizing Air Gun

IONIZING AIR SNAKE

⇒ Power: Input AC 220V / 50 Hz
⇒ Secondary Output: 4,0 kV AC
⇒ Compressed air: ≤ 0,7 MPa
⇒ Ion Balance: ± 10V
⇒ Decay time: ± 1 s (from 1000V to 100V, at 15 cm, 0,7 MPa)
⇒ Operating Condition: 0 - 50 ºC (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W154mm x H148mm x D82mm
⇒ Length of high voltage wire: 3 m
⇒ Weight: 2,8 kg
⇒ Length of flexible snake-tube: 60 cm
⇒ Controlled by pedal switch

Order Code	Type
DLB-445E	Ionizing Air Snake

IONIZING AIR NOZZLE

⇒ Power: Input AC 220 V / 50 Hz, Output DC 24V/0,5A
⇒ Operating Current: 0,15 A (at the highest speed)
⇒ Compressed air: ≤ 0,6 MPa
⇒ Effective Coverage: 100 - 800 mm
⇒ Ion Balance: ± 15V
⇒ Decay time: ± 1 s (from 1000V to 100V, at 300 mm)
⇒ Operating Condition: 0 - 50 ºC (temperature), 20% - 85% (relative humidity)
⇒ Dimension: W34mm x H45mm x D115mm
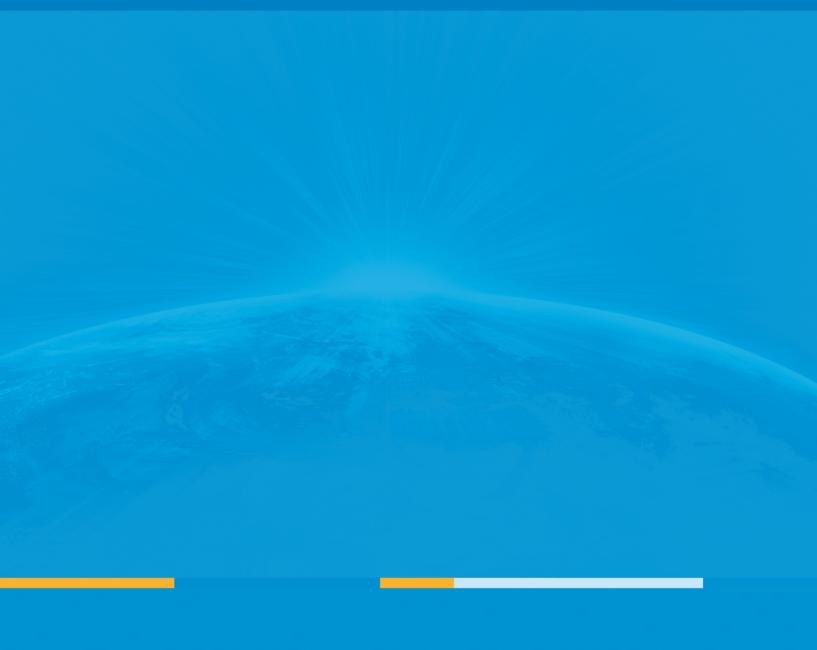⇒ Material: ABS Fireproof
⇒ Weight: 146 gr

Order Code	Type
BFN-HFN9	Ionizing Air Nozzle

ESD FLOOR PROTECTION

ESD Long Life Poliuretán Padlóbevonat

SPECIAL CHALLENGE

On the electronic production field an ESD floor is the basic of an ESD security system. The primary task of an ESD protected floor is to properly conduct the human resulting (on skin, on clothing, on tools) electrostatic charges toward the grounding points. Secondary, but equally important task is to also conduct electrostatic charges from surfaces which contacting with all the moving (rolling) ESDS equipments (rolling shelves, chairs, tables, etc.). In certain cases ESD floor provides the conduction of electrostatic charges into grounding point from standing (but movable) equipments (pallet, containers, wastebaskets).

The ESD floors must meet two basic requirements according to IEC 61340-5-1 and ANS/ESD S20.20 standards:
1. Appropriate conductivity of the surface (Volume – Rv, Between two points – Rp-p) which can be proved by measurements according to the standards. In basic cases it can't be more then Rg (ground relative resistance) $<10^9$ ohm resistance limit.
2. In case of proper ESD floor during walking (humans) and moving rolling ESDS transport and storage equipments don't formed more then 100 V electrostatic charges.
To keep these requirements ESD floors need to be maintained! An insulate layer will be generated by the mechanical (dust, material pieces, plastic pieces, trolley tires, etc) and chemical (flux, dissolvent, pastes, glues, etc) contaminations during daily using. These contaminations will prevent the proper ($Rpp<10^9$ ohm) electrical connection between the floor and shoes, castors, conductive surfaces. (the floor won't conduct the discharges). Electronical charges created by walking on the floor or contact with equipments using must be discharged from them which are close or directly contacted with ESDS.

With maintenance, improvement and homogenization of the conductivity of surfaces the above described problem could be prevented! In these cases the old and used floor has to be cleaned, homogenized with

SOLUTION

Deep cleaning process and ESD Long Life PU Sealer

**Extreme durability
6 times longer lifetime**

Based on long-term tests of Institutes FIGR and WFK/FRT It was found that ESD Long Life PU Sealer has 6 times longer lifetime then other regular floor protecting layers. The German Association of Flooring Manufacturers and Installers also admitted the first prize for the best quality flooring technology product.

Unique ESD coating on the conductive surfaces

According to EPH certification ESD Long Life PU Sealer is perfectly meets the requirements of DIN EN 61340-5-1 and ANSI S20.20 standards in conductive area and TRBS 2153 standards in explosive area as well.

Don't fraying even under 25000 rolling

According to a surface abrasion resistance test made by EPH Dresden ESD Long Life PU is perfectly meets the requirements of DIN EN 14085 – chair with castors – standard on every kind of soft coverage. After exactly 25000 rolling is has got the following classification: "There was no visible changes on either of the test

Perfect chemical resistance even in dangerous situations

A professional sealer has to be resistance even in extreme conditions including the most aggressive impacts. EPH Institute was tested the resistance capability of ESD Long Life PU Sealer according to DIN 68861 standard against chemical ingredients. The result: meets perfectly all the requirements in category 1B. Doesn't let absorbed the different materials into the surface – for example: forklift tires, glues, furniture stands, castors, etc.

**Environmentally
non-toxic, environmental friendly**

In Europe GEV has made the test of the ESD Long Life PU Sealer and it received the best rating – EC 1R. That's why ESD Long Life PU is recommended by them as the best protection providing, environmental friendly, non-toxic product.

**Inflammation delaying
On every type of coverage**

Fire protection and fire resistance are very important issues in a building. The MPA Dresden Institute testify that ESD Long Life PU Sealer is delaying the inflammation on PVC, linoleum, resin surfaces furthermore meets the requirements of DIN EN 13501-1 standard.

DEEP CLEANING PROCESS

Recommended to the deep cleaning of resin (epoxy) floors, rubber coverage, PVC and module floors

VISIBLE SOLUTIONS

- Definitely nicer appearance
- Significantly improves ESD parameters
- Cost effective and environmental friendly solution
- Using individually, special deep cleaning process
- Using special one disk scrub
- Separated into smaller areas, it can be carried out even during production
- Dust free construction technology
- It can be finished within 24 hours (depends on the size of the area)
- It removes the forklift tires, patch of glues and chairs
- Removing previously deposited vaxes
- It applicable before ESD PU Sealer

ESD FLOOR PROTECTION

ESD LONG LIFE PU SEALER

Recommended for resin (epoxy) floors, rubber coer ages, linoleum, PV and module floors, self-leveling screeds, to protect ceramics and natural stone surfaces and reconditioning ESD.
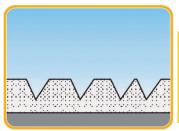**Available non ESD Version as well!**

VISIBLE SOLUTIONS

- Definitely nicer appearance
- Significantly improves and preserves long term the ESD properties of the surface
- environmental friendly process and material
- 40-60 % cost savings comparing to cover replacement
- It could be used as a recondition without any breakdown
- It's possible to contracted 500-1000 m^2 surface quickly, even within 24 hours
- Separated into smaller areas, it can be carried out even during production
- Dust free construction technology
- Minimal thickness, doesn't increase the height of the floor level
- Increase the surface lifetime, high resistance against chemical materials
- High resistance against mechanical damages
- Doesn't let absorbed the tire patches into the surface
- Operation and purity costs are greatly reduced
- Durable, doesn't wear off from the surface, doesn't require aftercare
- Different, optional shininess level: extra matte, satin, shiny finish
- Suitable for painting road markings

The ESD PU Sealer provides an extreme protection for PVC, resin, rubber floors. Occur in certain floors, that has lost its conductivity and because of this has to replace it.The PU Sealer offers a quick, cost-effective solution to restore the ESD features of the coverage with a dust free construction technology, without stopping production even within 24 hours.Before implementing there's possible to decide about color, it could be transparent or colorful because of the wear of the area? Which area might be indicated with different colors? How big is the need for separate indications to paint?
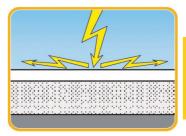
First of all the fractures, cracks, expansion errors, defective welding cords have to be repaired. All the dust, dirt, greasy, oily contaminations will be removed with a water technology, deep cleaning. After that the PU Sealer will be placed on the floor in two layers (thickness 40-50 microns). For the stronger bond the two layers will be placed in the transverse direction. After 12 hours drying time the floor gradually can be used.For 7 days – till the total bond has formed – according to the technology only dry dusting is recommended. From the second week it can be cleaned with proper ESD detergent. The PU Sealer doesn't require aftercare, waxing, polishing. In addition to the basic cleaning twice a year – or more depends on the requisition - , it has to be cleaned only according to cleaning instructions.

The PU Sealer forms a wear resistant coating, which regain and make durable the original ESD features of the ESD floor. The PU Color Sealer turns the surface of old, used resin or PVC coverage into new. In additional the colorful version makes possible to separate different production units, routes, closed areas, signs which doesn't have to be painted again from time to time. The complete production hall can be restored even during production, the areas don't have to be hermetically closed thank to the dust free construction technology. PU Sealer provides an easily cleanable, user friendly surface protect long term the coverage underneath.

Without ESD Long Life PU Sealer the continuous production and the particle of the dust causes irreversible damages on the surface of conductive ESD floors.

ESD Long Life PU Sealer protects the surface from the powerful requisitions, also improve and make the conductivity more durable.

BEFORE

AFTER

elötte

utána

elötte

utána

elötte

utána

BEFORE

AFTER

ESD TESTERS and ENTRANCE SYSTEMS
ESD INSTRUMENTS

SAFETY and QUICKNESS

The AIJGO testers make 2 testing processes per sec. Left foot, Right foot and wrist strap tests have different testing circles but the tester make them at the same time. When the 2 testing processes have Pass results only this case the tester give Pass information. This double testing mode provides high safety testing results.
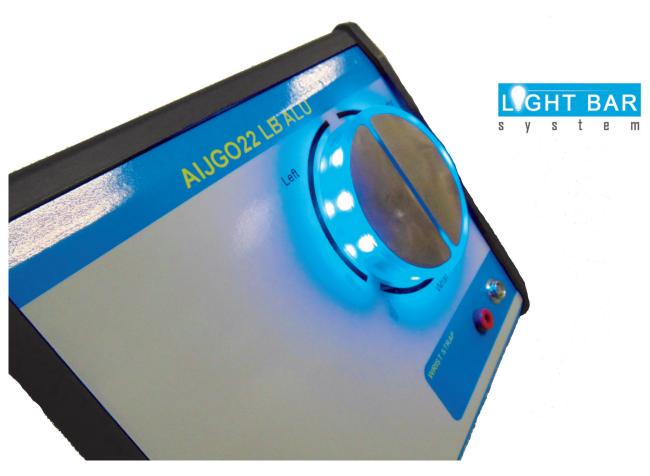
ACCURACY and RELIABILITY

The AIJGO testers use 100 V test voltage to avoid false test results. Under 100 V test voltage the test results are not safety because of the dirt and the contamination on the sole of the ESD shoes or heel grounders. it can lose false test results. The 100 V test voltage provides a reliable and accurate tester.

VERSATILE and FLEXIBLE

All AIJGO testers have Relay Output to open any kind of entrance gate (tripod turnstile, swing gate, wing barrier,…). Not need to change the tester if entrance gate is required to install. The tester have to be connected only by a cable to the gate

LIGHT BAR
s y s t e m

LIGHT BAR System

This unique system with the LED lighting signal is an ideal solution for high volume of entrances where the quickness and safety is very important. The high damaging-resistant construction with the steel touch-button can prevent the frequent failures of any kind of push-button. The operators only have to touch the button, they do not need to push it. The LIGHT BAR system is developed for multinational companies which require many thousand of entrance per day. The 12 pcs energy saving LED have strong visual effect for the operator to inform the test result. It can distinguish the test result of the wrist strap, left and right foot (Pass – Green, Fail – Red):

LIGHT BAR System standby mode

LEFT FEET   RIGHT FEET

WRIST STRAP
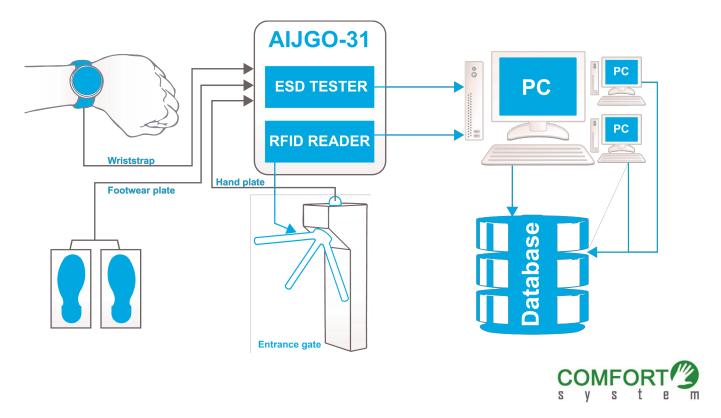
LIGHT BAR System working modes *

WS: OK	WS: FAILED	WS: OK	WS: OK	WS: FAILED	WS: OK	WS: FAILED	WS: FAILED
LF: OK	LF: OK	LF: FAILED	LF: OK	LF: FAILED	LF: FAILED	LF: OK	LF: FAILED
RF: OK	RF: OK	RF: OK	RF: FAILED	RF: FAILED	RF: FAILED	RF: FAILED	RF: OK

* WS: wrist strap, LF: left feet, RF: right feet

COMFORT System

This system is a perfect choice where the personal identification is an important side of the entrance process to the ESD area. The identification is deteced by a RFID reader where the operators use a Personal Chip Card. The test results and the identification data are transfered to a PC which has a Managment Software. It makes to read and save the data possible, furthermore to set parameters. The COMFORT system provides a fully automatic solution for entrance to the ESD area and the data-processing (personal identification, test results).

RFID reader
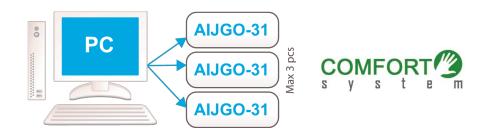
It can read the information from the Personal Chip Card which contains the personal identification and the test method on the basis of the tester make the test (Only footwear testing or footwear and wrist strap combined testing or VIP). The test starts after the card reading in any case so the operator cannot entry to the ESD area without identification after a successful test.

Management Software
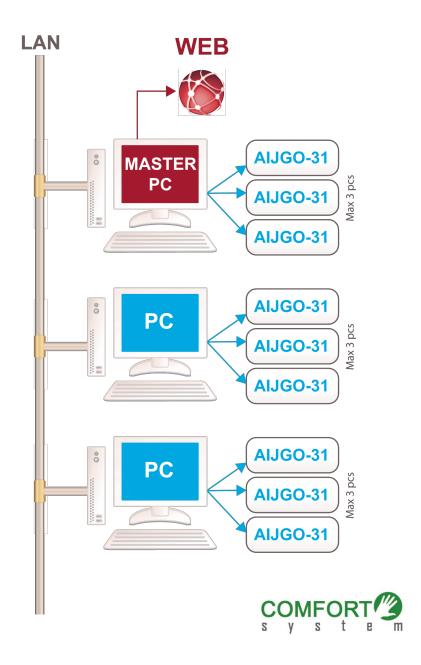
It handles the identification data of the operators, uploading the operators's data from data base or manually. Test method choosing to the operators (Only footwear testing or footwear and wrist strap combined testing or VIP). The software controls the AIJGO-31LB/ALU tester. It can control max. 72 pcs tester and 24 pcs PC. It saves the entrance data to local .cvs file (compatible with EXCEL and text editors). Automatically It cuts now log file every day. Acceptance limits changeable by the software. If the PC is connected to LAN network, the Management software is available on the internet.

Network solution

If the ESD area has more than one entrance and personal identification needed in this case more ESD testers are required with RFID reader to all entrance. There is possibility to connect the testers and PC's into the same network and to manage the same software. Max. 3 pcs AIJGO-31LB/ALU testers are operated by one PC and Management Software.(Max. distance between the PC and tester is 100 m)

If more that 3 AIJGO-31LB/ALU testers are needed to connect in this case LAN network required: Max. 24 pcs PC are handle in the LAN network so Max. 72 pcs AIJGO-31LB/ALU testers are possible to connect.
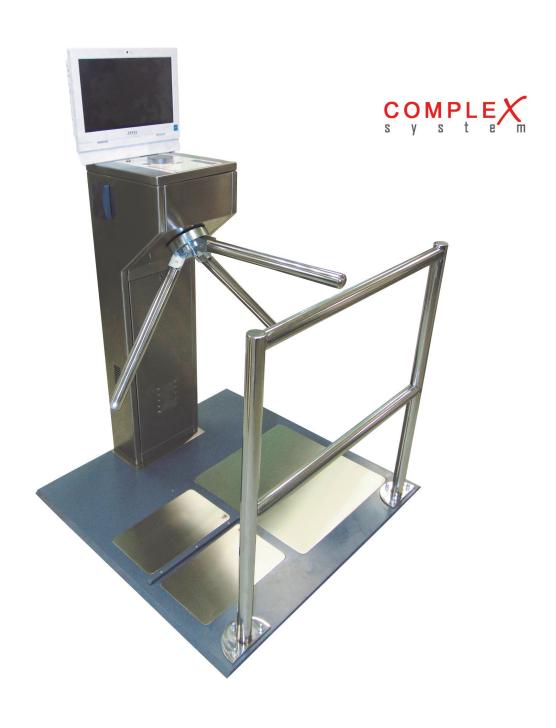
COMPLEX System

This system provides an „all in one" solution with our tripod turnstile. It is a „build-in" construction because the AIJGO testers and Dual Foot Electrode are built in and installed into the gate. It is not required any extra installation knowledge. Properties of the gate:

⇒ Manual rotation with mechanical support
⇒ Rotation blockable electrically
⇒ Mechanical brake system
⇒ Electrically controlled arm fall system (fire alarm)
⇒ In this case power cut, the arm system freely rotate to give fast transit
⇒ Indoor use only

AIJGO-22LB/ALU LIGHT BAR Footwear & Wrist Strap Tester with Dual Foot Electrode

The AIJGO-22LB/ALU is an easy usable Footwear & Wrist strap tester with LIGHT BAR system to entrance of EPA area. It is an ideal solution for high volume of entrances where the quickness and safety is very important. High damaging-resistant construction with touch-button. It is versatile tester because you can choose the right measuring methods according to entrance regulation: Only footwear testing or footwear and wrist strap combined testing. You have to make only one test at the same time for the left and right foot because of the dual foot electrode. It can be connected to any kind of entrance gate (tripod turnstile, swing gate, wing barrier,…) with a relay output. It can be installed on the wall or with stand to the floor.

⇒ Footwear and Wrist Strap Tester for ESD area entrance
⇒ Both foot and wrist strap testing at the same time
⇒ Dual foot electrode to test the right and left foot separately
⇒ Test selector: Only footwear testing or Footwear and wrist strap combined testing
⇒ Resistance limits set by Software:

Footwear: 100 KΩ - 35 MΩ - Wrist Strap: 750 KΩ - 35 MΩ

⇒ Compliance with IEC 61340-5-1 and ANSI/ESD S20.20
⇒ Light (LED) and sound signal for the pass and faulty test, results separately:

Wrist Strap - Left foot - Right foot

⇒ Test voltage: 100 V
⇒ Wrist Strap connection: 4 mm banan plug or 10 mm snap-fastener
⇒ Relay Output to open Entrance gate: 0,5A/60V
⇒ Power supply: 12V DC
⇒ Size: 215 x 195 x 65 mm

AIJGO-22LB/ALU

AIJGO-22LB/ALU + AIJGO-22LB/STA

ORDER CODE	
AIJGO-22LB/ALU	Footwear & Wrist Strap Tester with Dual Foot Electrode
AIJGO-22LB/STA	Stand for AIJGO-22/ALU
AIJGO-22LB/WAL	Wall console

AIJGO-22LB/ALU LIGHT BAR Footwear & Wrist Strap Tester with Dual Foot Electrode

The AIJGO-22LB/ALU is an easy usable Footwear & Wrist strap tester with LIGHT BAR system to entrance of EPA area. It is an ideal solution for high volume of entrances where the quickness and safety is very important. High damaging-resistant construction with touch-button. It is versatile tester because you can choose the right measuring methods according to entrance regulation: Only footwear testing or footwear and wrist strap combined testing. You have to make only one test at the same time for the left and right foot because of the dual foot electrode. The built-in LCD display can show the results. It can be connected to any kind of entrance gate (tripod turnstile, swing gate, wing barrier,…) with a relay output. It can be installed on the wall or with stand to the floor.

⇒ Footwear and Wrist Strap Tester for ESD area entrance
⇒ Both foot and wrist strap testing at the same time
⇒ Dual foot electrode to test the right and left foot separately
⇒ Test selector: Only footwear testing or Footwear and wrist strap combined testing
⇒ LCD Display: show the results
⇒ Resistance limits set by Software:

   Footwear: 100 KΩ - 35 MΩ - Wrist Strap: 750 KΩ - 35 MΩ

⇒ Compliance with IEC 61340-5-1 and ANSI/ESD S20.20
⇒ Light (LED) and sound signal for the pass and faulty test, results separately:

   Wrist Strap - Left foot - Right foot

⇒ Test voltage: 100 V
⇒ Wrist Strap connection: 4 mm banan plug or 10 mm snap-fastener
⇒ Relay Output to open Entrance gate: 0,5A/60V
⇒ Power supply: 12V DC
⇒ Size: 215 x 195 x 65 mm

AIJGO-22LB/ALU/LCD

AIJGO-22LB/ALU/LCD + AIJGO-22LB/STA

AIJGO-22LB/ALU/LCD	Footwear & Wrist Strap Tester with Dual Foot Electrode and LCD Display
AIJGO-22LB/STA	Stand for AIJGO-22/ALU
AIJGO-22LB/WAL	Wall console

AIJGO-22LB/COMP LIGHT BAR & COMPLEX ESD Entrance System

The AIJGO-22LB/COMP is an „all in one" ESD entrance solution: AIJGO-22LB/ALU Footwear & Wrist Strap Tester with Dual Foot Electrode + AS 110 Entrance gate

The AIJGO-22LB/ALU is an easy usable Footwear & Wrist strap tester with LIGHT BAR system to entrance of EPA area. It is an ideal solution for high volume of entrances where the quickness and safety is very important. High damaging-resistant construction with touch-button. It is versatile tester because you can choose the right measuring methods according to entrance regulation: Only footwear testing or footwear and wrist strap combined testing. You have to make only one test at the same time for the left and right foot because of the dual foot electrode. COMPLEX system: The AIJGO-22LB/ALU tester is build in our AS110 tripod turnstile.

⇒ Footwear and Wrist Strap Tester for ESD area entrance
⇒ LIGHT BAR system with sound to signal for the pass and faulty test, results separately:

  Wrist Strap - Left foot - Right foot

⇒ Both foot and wrist strap testing at the same time
⇒ Dual foot electrode to test the right and left foot separately
⇒ Test selector: Only footwear testing or Footwear and wrist strap combined testing
⇒ Resistance limits set by Software:

  Footwear: 100 KΩ - 35 MΩ - Wrist Strap: 750 KΩ - 35 MΩ

⇒ Compliance with IEC 61340-5-1 and ANSI/ESD S20.20
⇒ Test voltage: 100 V
⇒ Wrist Strap connection: 4 mm banan plug or 10 mm snap-fastener

LIGHT BAR
s y s t e m

COMPLEX
s y s t e m

AIJGO-BAR1

AIJGO-22LB/COMP

ORDER CODE

AIJGO-22LB/COMP	LIGHT BAR & COMPLEX Footwear & Wrist Strap Tester with Dual Foot Electrode + AS110 Entrance gate
AIJGO-BAR1	Barrier for AIJGO22LB/COMP

AIJGO-31LB/ALU LIGHT BAR & COMFORT Footwear & Wrist Strap Tester with Dual Foot Electrode + RFID reader + All in One PC + Management software

The AIJGO-31LB/ALU is an easy usable Footwear & Wrist strap tester with LIGHT BAR & COMFORT system to entrance of EPA area.

* The Management Software has to be ordered together with the AIJGO-31LB/ALU but if more testers are connected a network in this case please do not hesitate to contact us with your network plan for a quotation!

LIGHT BAR system

It is an ideal solution for high volume of entrances where the quickness and safety is very important. High damaging-resistant construction with touch-button.

COMFORT system

This tester provides very easy entrance with RFID reader which make the personal identification and transfer the data (personal and measuring data) to a PC. The Management software handles the personal identification, test methods and results. The data can be read and saved from the PC. If the PC is connected to LAN network, the Management software is available on the internet. Many AIJGO-31LB/ALU testers are possible to be connected a network.

It is versatile tester because you can choose the right measuring methods by the Management software personally with the (Personal Chip Card) according to entrance regulation: Only footwear testing or footwear and wrist strap combined testing or VIP. You have to make only one test at the same time for the left and right foot because of the dual foot electrode. It can be connected to any kind of entrance gate (tripod turnstile, swing gate, wing barrier,…) with a relay output.

Main properties

⇒ Footwear and Wrist Strap Tester for ESD area entrance
⇒ LIGHT BAR system with sound to signal for the pass and faulty test, results separately:

  Wrist Strap
  Left foot
  Right foot

⇒ Both foot and wrist strap testing at the same time
⇒ Dual foot electrode to test the right and left foot separately
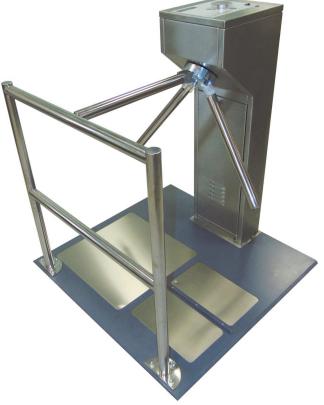⇒ Resistance limits set by Software:

  Footwear: 100 KΩ - 35 MΩ
  Wrist Strap: 750 KΩ - 35 MΩ

⇒ Compliance with IEC 61340-5-1 and ANSI/ESD S20.20
⇒ Test voltage: 100 V
⇒ Wrist Strap connection: 4 mm banan plug or 10 mm snap-fastener
⇒ Relay Output to open Entrance gate: 0,5A/60V
⇒ Operation system: Windows
⇒ PC connection with RS 485
⇒ Power supply: 12V DC
⇒ Size: 215 x 195 x 65 mm

RFID reader

⟹ Reading distance: 2-5 cm
⟹ RF frequency: 125 KHz
⟹ ISO/IEC 10536
⟹ Flexible system, adaptable to the user system

Management Software

⟹ Save the entrance data to local .cvs file (compatible with EXCEL and text editors)
⟹ Automatically cut now log file every day
⟹ Acceptance limits changeable

Complete system:

⟹ AIJGO-31LB/ALU Footwear and Wrist Strap tester with Dual Foot electrode + RFID reader
⟹ All in One PC
⟹ CD with the Management Software and Drivers
⟹ AC adapter

AIJGO-31LB/ALU

AIJGO-31LB/ALU/MON + AIJGO-31LB/STA

ORDER CODE	
AIJGO-31LB/ALU/MON	LIGHT BAR & COMFORT Footwear & Wrist Strap Tester with Dual Foot Electrode + RFID Reader + PC with monitor
AIJGO-31LB/SFW	Management Software for AIJGO-31LB/ALU
AIJGO-31LB/STA	Stand for AIJGO-31LB/ALU

AIJGO-31LB/COMP LIGHT BAR & COMFORT & COMPLEX ESD Entrance system

The AIJGO-31LB/COMP is an „all in one" ESD entrance solution: AIJGO-31LB/ALU Footwear & Wrist Strap Tester with Dual Foot Electrode + RFID reader + Management software + AS 110 Entrance gate:

* The Management Software has to be ordered together with the AIJGO-31LB/COMP but if more testers are connected a network in this case please do not hesitate to contact us with your network plan for a quotation!

LIGHT BAR system

It is an ideal solution for high volume of entrances where the quickness and safety is very important. High damaging-resistant construction with touch-button.

COMFORT system

This tester provides very easy entrance with RFID reader which make the personal identification and transfer the data (personal and measuring data) to a PC. The Management software handles the personal identification, test methods and results. The data can be read and saved from the PC. If the PC is connected to LAN network, the Management software is available on the internet. Many AIJGO-31LB/ALU testers are possible to be connected a network.

COMPLEX system

The AIJGO-31LB/ALU tester is build in our AS110 tripod turnstile. This „all in one" construction is available in the following version:

⇒   With touch-screen monitor with build-in PC

It is versatile tester because you can choose the right measuring methods by the Management software personally with the (Personal Chip Card) according to entrance regulation: Only footwear testing or footwear and wrist strap combined testing or VIP. You have to make only one test at the same time for the left and right foot because of the dual foot electrode.

Main properties

⇒   Footwear and Wrist Strap Tester for ESD area entrance
⇒   LIGHT BAR system with sound to signal for the pass and faulty test, results separately:

Wrist Strap
Left foot
Right foot

⇒   Both foot and wrist strap testing at the same time
⇒   Dual foot electrode to test the right and left foot separately
⇒   Resistance limits set by Software:

Footwear: 100 KΩ - 35 MΩ
Wrist Strap: 750 KΩ - 35 MΩ

⇒   Compliance with IEC 61340-5-1 and ANSI/ESD S20.20
⇒   Test voltage: 100 V
⇒   Wrist Strap connection: 4 mm banan plug or 10 mm snap-fastener
⇒   Operation system: Windows
⇒   PC connection with RS 485
⇒   Power supply: 220V DC

RFID reader

⇒ Reading distance: 2-5 cm
⇒ RF frequency: 125 KHz
⇒ ISO/IEC 10536
⇒ Flexible system, adaptable to the user system

Management Software

⇒ Save the entrance data to local .cvs file (compatible with EXCEL and text editors)
⇒ Automatically cut now log file every day
⇒ Acceptance limits changeable

Complete system:

⇒ AIJGO-31LB/ALU Footwear and Wrist Strap tester with Dual Foot electrode + RFID reader
⇒ All in One PC
⇒ CD with the Management Software and Drivers
⇒ AC adapter
⇒ AS110 tripod turnstile

AIJGO-31LB/COMP2 + AIJGO-BAR1

ORDER CODE	
AIJGO-31LB/COMP2	LIGHT BAR & COMFORT & COMPLEX Footwear & Wrist Strap Tester with Dual Foot Electrode + RFID Reader + Touch-screen monitor with PC + AS110 Entrance gate
AIJGO-31LB/SFW	Management Software for AIJGO-31LB/ALU
AIJGO-BAR1	Barrier for AIJGO31LB/COMP

ESD INSTRUMENTS

RESISTANCE DECAD

Resistance decad for calibration several testers

Order code	Type
AIJGO-5.2	Resistance decad

ADDITIONALS FOR ESD MEASURING

AIJGO-2

AIJGO-3   **AIJGO-13**

AIJGO-4

Order Code	Type
AIJGO-2	counter electrode
AIJGO-3	glove measuring eletrode
AIJGO-4	grounding electrode, 25 cm lenght
AIJGO-4.1	grounding electrode, 50 cm lenght
AIJGO-4.2	grounding electrode, 100 cm lenght
AIJGO-13	hand electrode

WRIST STRAP MONITOR WITH LAMP CONNECTION (ENERGY SAVING)
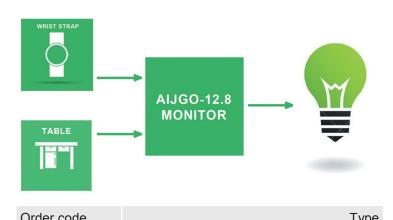
NEW!

Wrist strap monitor for workmenship in ESD safe, Wrist strap and ESD safe workplace continouse testing, Light and sound signal indication of test result, For one wrist strap, Resistance limits: red < 100 kOhm < Green < 30 MOhm < red, testvoltage: 5V

The connected lamp of the working station only can give light if the working surface is suitable for the ESD standard and the wirst strap is connected to the monitor!
In this case you can reach significant ENERGY SAVING.

AIJGO-12.8 Wrist strap and table surface monitor

Order code	Type
AIJGO-12.8	Wirst strap monitor with lamp connection

WRIST STRAP MONITOR

Wrist strap monitor for workmenship in ESD safe, Wrist strap and ESD safe workplace continouse testing, Light and sound signal indication of test result, For one wrist strap, Resistance limits: red < 100 kOhm < Green < 30 MOhm < red, testvoltage: 5V

Order Code	Size
AIJGO-12.1	100 x 50 x 25 mm

WALKING TESTER

NEW!

Az AIJGO-60 Walking tester is suitable for measuring the electrostatic charge of a walking person. The measured electrostatic voltages are shown on a LCD display in a numerical and graphical way.

- ⇒ Dimension: 93 x 185 x 35 mm
- ⇒ Weight: 350g
- ⇒ Voltage range: ±2000 V
- ⇒ Accuracy: < 10%
- ⇒ Sampling rate: 250 µs
- ⇒ Data output: +5V
- ⇒ Display: Graphic 128 x 64 pixel; LED
- ⇒ Backlight
- ⇒ Power: 4 pcs 1,5 V AA accumulator
- ⇒ Usage: approx 12-14 hours
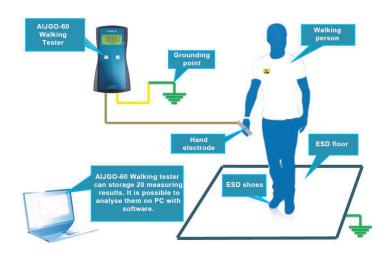
Az AIJGO-60 Walking tester can storage 20 measuring results. The results are possible to analyse on a PC.

Order code	Type
AIJGO-60	Walking Tester kit

RESISTANCE METER

NEW!

Az AIJGO-61 resistance meter is combined with temperature and humidity meter which is suitable for making ESD measuring according to the ESD standards. The results are shown on a LCD display in numerical way.

ALL IN ONE

Az AIJGO-61 is an „All in One" resistance meter because the resistance range is 0 Ohm – 1 TOhm, so it is possible use for a usual resistance meter and ESD resistance meter at the same time.

ESD resistance measuring in one step!

At the same time the environmental temperature and humidity data are storage to the resistance results!

- ⇒ Dimension: 93 x 185 x 35 mm
- ⇒ Weight: 370g
- ⇒ Test voltage 10V, 100V, 500V
- ⇒ Resistance range: 0 Ohm – 1 TOhm
- ⇒ Accuracy: $0 \rightarrow 10^{9}\Omega$ ±10%; $10^{9} \rightarrow 10^{12}\Omega$ ±20%
- ⇒ Temperature and Humidity measuring
- ⇒ Electrode: 2 pcs 2,25 kg ±0,25 Kg
- ⇒ Data output: +5V
- ⇒ Display: Graphic 128 x 64 pixel; LED
- ⇒ Backligh
- ⇒ Power: 4 pcs 1,5 V AA accumulator
- ⇒ Usage: approx. 12-14 hours

Az AIJGO-61 Resistance meter can storage the measuring results. The results are possible to analyse on a PC.
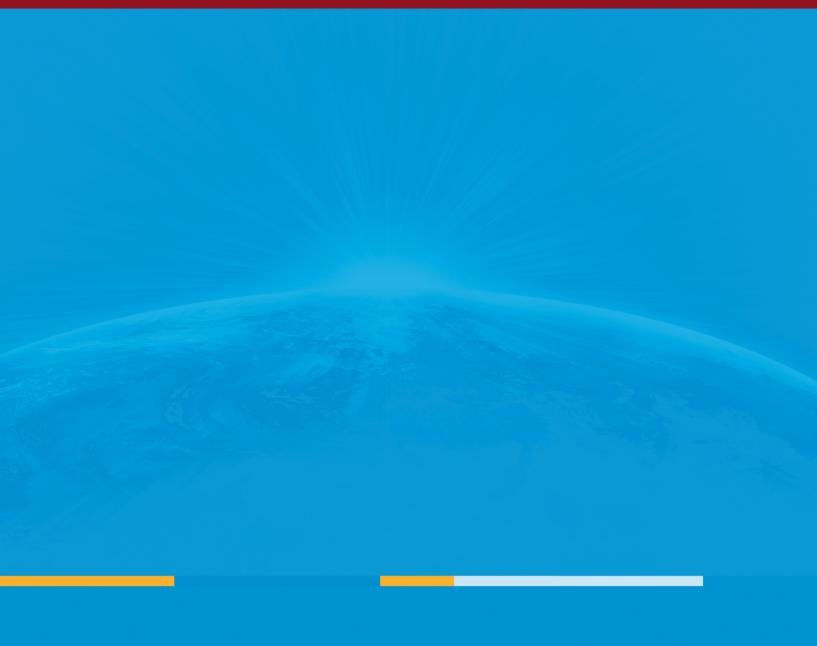
Order code	Type
AIJGO-61	„All on One" Resistance meter kit

ESD
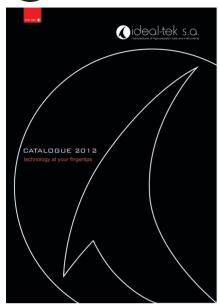
TWEEZERS & HANDTOOLS
COUNTING MACHINES
PRE-FORMING MACHINES AND TOOLS
DINO-LITE DIGITAL MICROSCOPE

Swiss made +

Ideal-tek, founded in 1965, is a Swiss company manufacturing top quality hand made tools with 50 Employees, selling its products in 40 countries in 5 continents. The activities of the company are organized in two business units: manufacturer of hand tools & master distributor for high quality accessories and consumables. Our main market segments are electronics, medical device, watch industry, jewellery, laboratories and universities.

High quality is achieved by giving human resources the best possible support in terms of technology and manufacturing equipment. Certified ISO 9001 since 1994.

Our investments focus on research and development of new solutions/products and applications in order to meet our customer's increasing requirements.

Choosing Ideal-tek means selecting a partner who fully understands the needs of customers.

MATERIAL TECHNICAL DATA SHEETS

METALS

Nonferrous alloy type BR

⇒ **Brass** (CuZn37)
⇒ copper-zinc alloy
⇒ non-magnetizable
⇒ good to excellent corrosion resistance; all copper alloys resist
⇒ corrosion by fresh water and steam
⇒ excellent cold workability (forming)
⇒ generally it is utilized when high mechanical properties are not required
⇒ typical applications include tweezers for handling scratch-sensitive mechanical parts, watch components, magnets

Carbon steel type C

⇒ **Carbon steel** (Material number 1.1221, Ck60, AISI 1060)
⇒ contains from 0,57 to 0,65 wt% carbon
⇒ magnetizable
⇒ will be hardened by heat treatment, max. hardness 57 HRC
⇒ poor resistance to corrosion
⇒ used where strength and/or hardness are of primary concern
⇒ typical applications include tweezers and cutting tools for the electronic industry, watch-makers, jewellers applications

Nonferrous alloy type N

⇒ **Nickel silver 65-18** (CuNi18Zn20)
⇒ copper-nickel-zinc alloy
⇒ non-magnetizable
⇒ soft and elastic
⇒ all copper alloys resist corrosion by fresh water and steam. Copper nickels provide superior resistance to saltwater corrosion, have high resistance to alkalies and organic acids, but have poor resistance to inorganic acids
⇒ typical applications include handling of scratch-sensitive parts in electronic, micro-mechanical and jewellery applications

Superalloy NC

⇒ Ni-Cr-Mo superalloy
⇒ excellent/resistance to room temperature up to 800°C
⇒ six times harder than antimagnetic stainless steel
⇒ resistant to fatigue, very high shape retention
⇒ fully non-magnetic
⇒ excellent corrosion resistance to most chemicals, salts and acids
⇒ typical applications include non-magnetic tools for electronic and watch industry applications and for laboratory and medical applications in aggressive chemical environments

Superalloy NC

⇒ **Ni-Cr-Mo superalloy**
⇒ excellent/resistance to room temperature up to 800°C
⇒ six times harder than antimagnetic stainless steel
⇒ resistant to fatigue, very high shape retention
⇒ fully non-magnetic
⇒ excellent corrosion resistance to most chemicals, salts and acids
⇒ typical applications include non-magnetic tools for electronic and watch industry applications and for laboratory and medical applications in aggressive chemical environments

Stainless steel type S

⇒ **Martensitic higher carbon steel** (Material number 1.4034, DIN X46Cr13, AISI number 420)
⇒ contains from 12.5 to 14.5 wt% chromium
⇒ magnetizable
⇒ can be hardened by heat treatment, forming should be done in the annealed condition
⇒ less resistant to corrosion than the austenitic or ferritic grades
⇒ used where strength and/or hardness are of primary concern and where the environment is relatively mild from a corrosive standpoint.
⇒ typical applications include tweezers and cutting tools for the electronic industry, watch-makers, jewellers and laboratory and medical applications in mild aggressive chemical environments

Stainless steel type SA

⇒ **Low carbon austenitic steel** (Material number 1.4435, DIN X2CrNiMo18-14-3, AISI number 316L)
⇒ contains from 16.5 to 18.5 wt% chromium and has important quantities of nickel and molybdenum as additional alloying elements
⇒ non-magnetizable
⇒ good corrosion resistance to most chemicals, salts and acids
⇒ generally used where corrosion resistance and toughness are primary requirements
⇒ typical applications include tweezers for the electronic industry, watch-makers, jewellers and laboratory and medical applications in moderately aggressive chemical environments

Nonferrous alloy type TA

⇒ **Titanium Grade 1** (unalloyed titanium)
⇒ engineering materials with extraordinary combination of properties: relatively low density (4.5 g/cm3), good mechanical properties and a very high melting point that allows the use at high temperatures (1600°F, 870°C)
⇒ good corrosion resistance at room temperature to air, marine and a variety of industrial environments
⇒ good cold formability, high ductility
⇒ fully non-magnetic
⇒ generally it is used when in addition to the corrosion resistance, high strength-to-weight ratio is required
⇒ bio-compatible (maintain cell integrity, no inflammatory response)
⇒ typical applications include handling of components in cleaning/chemical processes also at high temperature, histology, biology, medicine, surgery

HIGH PRECISION TWEEZERS

Handcrafted to perfect tip symmetry and balance, polished edges, superior no-scratch/antiglare satin finish. The right tweezers and material for a successful application. Many High Precision Tweezers are available in different materials (SA, S, NC, N, TA, BR) and also available with special coatings (EP, NE, TE).

0.SA

4 3/4" 120mm, flat edges, fine tips

00.SA

4 3/4" 120mm, strong, flat edges, thick

000.SA

4 3/4" 120mm, strong, flat radiused edges, fine

00B.SA

4 3/4" 120mm, same as 00 with serrated grips

0C9.SA, 0C9.S

3 1/2" 90mm, short, flat edges, fine

00D.SA

4 3/4" 120mm, same as 00, serrated tips and grips

ESD

1.SA, 1.S, 1.NC, 1.TA

4 3/4" 120mm, strong, straight, fine

2.SA, 2.S 2.NC, 2.BR

4 3/4" 120mm, flat, sharp fine tips

2A.SA, 2A.S 2A.NC, 2A.TA

4 3/4" 120mm, flat, accurate round tips

2AB.SA, 2AB.TA

4 3/4" 120mm, flat, accurate round tips

2AZ.SA

4 3/4" 120mm, as 2A, double bent tips

3.SA, 3.S, 3.NC, 3.TA

4 3/4" 120mm, very sharp, fine

3C.SA, 3C.S, 3C.NC, 3C.TA

4 1/4" 110mm, as 3, short

3CB.SA

4 1/4" 110mm, as 3C, bent tips

3F.SA, 3F.S

4 3/4" 120mm, 3 mm flat touch, for holding tiny wires

4.SA, 4.S, 4.TA

4 1/4" 110mm, extra fine tips

4A.SA

4 1/4" 110mm, as 4, stronger

5.SA, 5.S, 5.NC, 5.TA

4 1/4" 110mm, extra fine tips, superior finish

5A.SA, 5A.S, 5A.NC

4 1/2" 115mm, extra fine tips, superior finish

5B.SA

4 1/4" 110mm, as 5, bent tips for max visibility

5C.SA

4 1/2" 115mm, as 5A, extra fine, double bent tips

5TTH.SA

4 1/4" 110mm, anti capillary, extra fine, with lock-ring for andling electronic microscope grids

6.SA

4 1/2" 115mm, flat angled, fine

7.SA, 7.S, 7.NC, 7.TA

4 1/2" 115mm, very fine, curved

7A.SA

4 3/4" 120mm, as 7, strong

7B.SA

4 1/2" 115mm, as 7, serrated tips

10G.SA

4 1/4" 110mm, fine, serrated tips and grips

11.N

4 3/4" 120mm, straight, fine tips

15A.C

12mm

4 3/4" 120mm, cutting tweezers for soft copper, gold, silver, magnetic wires

15AGW.C

10mm

4 3/4" 120mm, cutting tweezers for soft copper, gold, silver, magnetic wires

15AP.C

12mm

4 3/4" 120mm, parallel cutting tweezers for soft copper, gold, silver, magnetic wires

27C.BR, 27CL.BR

5" 130mm, strong, sharp, fine tips; precision brass tweezers **L** identifies mirror polished tips: ex. 27C**L**.BR

51S.SA

4 1/2" 115mm, as 5A, bent tips for max visibility

52A.SA

4 3/4" 120mm, as 2A, crush proof, smooth action

8.SA, 8.S, 8.TA

Length 4 3/4" 120mm, width 0,4" 10 mm strong flat

475Y32.C

4 3/4" 125mm, precision brass tweezers anti-sparking
L identifies mirror polished tips: ex. AM**L**.BR

A.SA, A.S

4 3/4" 120mm, as 2A, flat and squared tips

775.SA.NE

6 1/8" 155mm, fine, bent tips ESD epoxy coated handles

AC.SA

4 1/4" 110mm, strong tips, serrated grips

AM.BR, AML.BR

4 3/4" 125mm, precision brass tweezers anti-sparking
L identifies mirror polished tips: ex. AM**L**.BR

F.SA

4 3/4" 120mm, as 2A, flat and squared tips

65A.SA

5 1/2" 140mm, very fine bent tips

SS.SA, SS.S, SS.NC, SS.TA

5 1/2" 140mm, extra fine tips

K5HP.SA, K5HP.S, K5HP.NC, K5HP.TA

5 1/2" 140mm, extra fine tips

CUTTING TWEEZERS

Ideal-tek cutting tweezers have been designed to meet requirements for different applications. High precision cut, narrow working areas, angled blades, hard metal blades, rounded tips, miniature size, parallel blades, predominantly angled blades, angled blades. Perfect for cutting soft wires, copper, gold, silver, magnetic wires and hard hairsprin. Use our tool-finder to choose the right Cutting Tweezers for your application.

14A.C

4 3/4" 120mm, Cutting tweezers, fine tips

14AGW.C

4 3/4" 120mm, Cutting tweezers, fine tips, max visibility

14AN.C

4 3/4" 120mm, fin rounded tips

152.S

4 3/4" 100mm, miniature cutting tweezers

15A.C

4 3/4" 120 mm Cutting tweezes for soft copper, gold, silver,

15AFW.C

4 3/4" 125mm, cutting tweezers for soft copper gold siler magnetic wires

15AGWHMV.SA

4 3/4" 120 mm Cutting tweezers for soft copper, gold, silver, magnetic wires

15AGWPB.C

6 1/8" 155mm, fine, bent tips ESD epoxy coated handles

15AGWV.C

4 3/4" 120 mm Cutting tweezers for soft copper, gold, silver, magnetic wires

15ANW.C

4 3/4" 120 mm Cutting tweezers for soft copper, gold, silver, magnetic wires

15AP.C

4 3/4" 120 mm Cutting tweezers for soft copper, gold, silver, magnetic wires

15AGW.C

4 3/4" 120 mm Cutting tweezers for soft copper, gold, silver, magnetic wires

15AGWHM.SA

4 1/2" 115 mm Carbite inserts (75 HRc) on antimagnetic stainless steel handle, for very precise cutting of hairsprings

15ARW.C

4 1/2" 115 mm High precision Rounded tip Cutting tweezers for soft copper, gold, silver, magnetic wires

SUPER SLIM TWEEZERS

Short tweezers without the excess bulk of long tweezers. Made of anti-acid/anti-magnetic stainless steel (SA).

60.SA

5 1/2" 140 mm, precision relieved tips

64A.SA

5 1/2" 140 mm, Bent, rounded tips

65A.SA

5 1/2" 140 mm, Very fine bent tips

SS.SA, SS.S, SS.NC, SS.TA

5 1/2" 140 mm, Extra fine tips

SS6.SA, SS6.TA

6" 150 mm, Extra fine tips

SSF.SA, SSF.NC

5 1/2" 140mm, Extra fine

SSL.SA

6" 150 mm, As SS6, for max visibility

HIGH PRECISION MINI TWEEZERS

Short tweezers without the excess bulk of long tweezers. Made of anti-acid/anti-magnetic stainless steel (SA).

M00D.SA

3 1/2" 90mm, serrated tips and grips

M2.SA

3" 80mm, flat sharp fine tips

M2A.SA

2 3/4" 70mm, rounded flat tips

M3.SA

2 3/4" 70mm, sharp, fine tips

M4.SA

3" 80mm, very fine tips

M5.SA

3" 80mm, extra fine tips

HIGH PRECISION REVERSE ACTION TWEEZERS

Specially intended for applications where a high precise self-closing action is required (e.g. microscopy). Fine tips in anti-acid/anti-magnetic stainless steel (SA).

2AX.SA

4 3/4" 120mm, flat accurate round tips

3X.SA

4 3/4" 120mm, very sharp, fine

4X.SA

4 1/4" 110mm, extra fine tips

5X.SA

4 1/4" 110mm, extra fine tips, superior finish

5AX.SA

4 1/4" 110mm, Anti capillary, extra fine, with lock-ring for handling electronic microsope grids

5TTHX.SA

4 1/2" 115mm, very fine, curved

7X.SA

4 1/2" 115mm, very fine, curved

5TTHX.SA

4 1/4" 110mm, anti capillary, extra fine, with lock-ring for handling electronic microscope grids

GENERAL PURPOSE TWEEZERS

Handcrafted to perfect tip symmetry and balance, polished edges, superior no-scratch/antiglare satin finish. The right tweezers and material for a successful application. Available in anti-magnetic stainless stell (SA)

119.SA

6" 150mm, fine tips, serrated tips and grips

119B.SA

6" 150mm, as 119, curved tips

120A.SA

4 1/4" 110mm, fine, strong serrated tips and grips

121.SA

6 1/4" 160mm, very strong, blunt serrated tips and grips

121M.SA

6 1/4" 160mm, AS 120, thin serrated tips and serrated grips

122.SA

6" 150mm, fine, bent serrated tips and grips

123.SA

6" 150mm, Fine, double bent serrated tips and grips

124.SA

6" 150mm, as 122, strong serrated tips and serrated grips

231.SA

4 3/4" 120mm, Fine serrated tips

321.SA.T

4 3/4" 120mm, flat rounded tips teflon coated

456.SA

5" 130mm, fine serrated tips

475.SA

5 1/2" 140mm, strong blunt precision serrated tips and serrated grips

647.SA

5 1/2" 140mm, strong blunt precision serrated tips and serrated grips

648.SA

6" 150mm strong, fine, alignment pin, serrated tips and grips

649.SA

6" 150mm, strong, fine, bent, alignment pin, serrated tips and grips

650.SA

6" 150mm, fine double bent serrated tips and grips

BOLEY TWEEZERS

General purpose tweezers available in different materials for specific applications.

AA.SA, AA.S, AA.NP

5" 130mm, general purpose straight fine tips

MM.SA

5" 130mm, general purpose strong fine tips

D.NP

3 3/4" 95 mm, Cutting nickel plated tweezers runded edges

FLAT TIP TWEEZERS

Smooth scratch proof tips usefull tips for handling electronic sensitive parts.

33A.SA

4 1/2" 115 mm, flat round tips

34A.SA

4 3/4" 120 mm, smooth to hold delicate parts

35A.SA

4 3/4" 120mm, same use as 34A

36A.SA

4 3/4" 120mm, same use as 34A

125.SA

4 3/4" 120 mm, smooth tips, no scratch

125A.SA

4 3/4" 120 mm, same as 125 but elongated tips

126.SA

4 1/4" 110 mm, Round, flat tips

127.SA

4" 105mm, thin, square tips

128.SA

4" 105mm, same as 127, bent tips

SMD TWEEZERS

Smooth handling and positioning of all SMD components. Different tips and angles for specific jobs. Satin antiglare finish and ergonomic design. Modifications or special models available on request. Available as reverse action model.

SM100.SA

4 1/2" 115mm, reverse action or handling PCBs with SMDs

SM101.SA

4 1/2" 115mm, Reverse action. For soldering and de-soldering 8, 14 or 16 lead SMDs

SM102.SA

4 1/2" 115mm, Reverse action. For soldering and de-soldering20,28,44, 68 LCCC and PLCC pad devices

SM103.SA

4 1/2" 115mm, for handling and positioning 2 and 3 lead SOT packages at 45° angle

SM104.SA

4 3/4" 120mm, for handling and positioning 3 lead SOT packages, monolithic chip capacitors, etc.

SM105.SA

4 3/4" 120mm, special design for positioning all SOT packages vertically

SM106.SA

4 3/4" 120mm, for positioning all SOT packages horizontally with flat base tips (4 mm long)

SM107.SA

4 3/4" 120mm, for positioning all flat devices at 60° angle

SM108.SA

4 3/4" 120mm, for positioning and soldering 1mm wide components. Tips are grooved inside

SM109.SA

4 3/4" 120mm, same as SM108 but with 45° tips without anti-crush feature

SM110.SA

4 3/4" 120mm, for positioning monolithic chips capacitors, grooved tips

SM111.SA

4 3/4" 120mm, for positioning 5 mm monolithic chip capacitors with flat base grooved tips (2 mm long)

SM112.SA

4 3/4" 120mm, for positioning 5 mm monolithic chip capacitors at 60°. Grooved tips

SM113.SA

4 3/4" 120mm, 3 mm long tips bent at 60° angle one forked blade lead entry
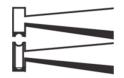
SM114.SA

4 3/4" 120mm, Same as SM113 but with straight fips for vertical holding

SM115.SA

4 3/4" 120mm, grooved tips at 30° angle for holding and positioning cylindrical devices (up to 1 mm diam.)

SM116.SA

4 3/4" 120mm, grooved straight tips. For vertical positioning of cylindrical devices (up to 1 mm diam. or more)

SM117.SA

4 3/4" 120mm, for positioning SOT packages at 30° angle

K5SMDSA

SMD precision tweezers set, SM103, SM107, SM108, SM111, SM115, top quality hard/foam wallet

WAFER TWEEZERS

Especially designed for use with delicate (very fragile) wafer, glass wafer,.... Very firm yet anti-crush/anti-crack grip. Very smooth surface to satin finish (non glare).Teflon coating, plastic tips as well as special design to user's specifications are available.

2W.SA

A 0.25'' 6.5mm - B 0.2'' 5.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm

2WF.SA

A 0.25'' 6.5mm - B 0.25'' 9.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm - E 0.10'' 2.5mm

2WFCPR.SA

A 0.25'' 6.6mm - B 0.41'' 10.5mm - C 0.08'' 2.0mm
D 0.14'' 3.5mm - E 0.18'' 4.5mm
Replaceable tips set code: A2WFCP

2WFG.SA

A 0.25'' 6.5mm - B 0.35'' 9.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm - E 0.10'' 2.5mm

2WL.SA

A 0.25'' 6.5mm - B 0.35'' 9.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm - E 0.10'' 2.5mm

3.W.SA

A 0.37'' 9.5mm - B 0.39'' 10.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm

3WF.SA

A 0.37'' 9.5mm - B 0.39'' 10.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm - E 0.10'' 2.5mm

3WFG.SA

A 0.37'' 9.5mm - B 0.39'' 10.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm - E 0.10'' 2.5mm

4WF.SA

A 0.47'' 12.0mm - B 0.33'' 9.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm - E 0.1'' 2.5mm

4WFCPR.SA

A 0.47'' 12mm - B 0.41'' 10.5mm - C 0.08'' 2.0mm
D 0.14'' 3.5mm - E 0.18'' 4.5mm
Replaceable tips set code: A4WFCP

4WFG.SA

A 0.47'' 12.0mm - B 0.35'' 9.0mm - C 0.10'' 2.5mm
D 0.15'' 4.0mm - E 0.1'' 2.5mm

4WL.SA

A 0.47" 12.0mm - B 0.29" 7.5mm - C 0.12" 3.0mm
D 0.15" 4.0mm - E 0.1" 2.5mm

5WF.SA

A 0.63" 16.0mm - B 0.33" 8.5mm - C 0.10" 2.5mm
D 0.15" 4.0mm - E 0.10" 2.5mm

6WF.SA

A 0.78" 20.0mm - B 0.33" 8.5mm - C 0.10" 2.5mm
D 0.15" 4.0mm - E 0.10" 2.5mm

8WF.SA

A 1.12" 28.5mm - B 0.47" 12.0mm - C 0.08" 2.2mm
D 0.14" 3.5mm - E 0.10" 2.5mm

8WNY.SA, 8WT.SA

A 1.55" 65mm - B 0.75" 19mm - C 0.05" 1.3mm
D 0.08" 2mm, Nylon (NY) pads or teflon (T) pads

39FG.SA

A 0.47" 12.0mm - B 0.39" 10.5mm
D 0.15" 4.0mm - E 0.10" 2.5mm

39S2.SA

A 0.25" 6.5mm - B 0.33" 8.5mm
D 0.20" 5.5mm - E 0.09" 2.4mm

48WF.SA

A 1.1" 28.0mm - B 0.35" 9.0mm
D 0.15" 4.0mm - E 0.10" 2.5mm

85C.SA

A 0.27" 7.0mm - B 0.17" 4.5mm - C 0.12" 3.0mm
D 0.15" 4.0mm - E 0.08" 2.0mm

637L.SA

A 0.23" 6.0mm - B 0.15" 4.0mm - E 0.15" 4.0mm

637SB.SA

A 0.20" 5.0mm - B 0.05" 1.3mm - E 0.05" 1.3mm

THE RIGHT TWEEZERS FOR YOUR WAFERS

Wafer Size [inch]	Tip width [mm]	Model
2"	5 - 9,5	2W, 2WF, 2WFCPR, 2WFG, 39S2, 3WF, 3WFG, 637L, 637SB, 85C
3"	12	39FG, 4WF, 4WFCPR, 4WFG, 4WL,
4" - 5"	16	5WF
6"	20 - 28,5	48WF, 6WF, 8WF
8"	65	8WNY, 8WT

COMPONENTS POSITIONING TWEEZERS

Specifically designed to hold delicate components firmly and safely.

571.SA, 577.SA, 581.SA

571 - 5 3/4" 145mm (ø 2.5-5mm), 577 - 5" 125mm (ø 2mm), 581 - 4 3/4" 120mm (ø 1mm)

572.SA, 578.SA, 582.SA

572 - 5 3/4" 145mm (ø 2.5-5mm), 578 - 5" 125mm (ø 2mm), 582 - 4 3/4" 120mm (ø 1mm)

573.SA, 579.SA, 583.SA

573 - 5 3/4" 145mm (ø 2.5-5mm), 579 - 5" 125mm (ø 2mm), 583 - 4 3/4" 120mm (ø 1mm)

577.SA

5" 125 mm

577.SA

5" 125 mm

578.SA

5" 125 mm

579.SA

5" 125 mm

581.SA

5" 125 mm

582.SA

4 3/4" 120 mm

583.SA

4 3/4" 120 mm

STRONG TWEEZERS

Comfortable and precision handling of electronic components for soldering operations. Available in straight or bent (Suffix B), version and various lengths. For very firm hold available in stainless steel (SA) or nickel plated (NP).

29.SA

6 1/2" 165mm, Desoldering tweezers Strong blunt serrated tips

29D.SA

6" 155mm, reverse action desoldering tweezers bent tips, to remove 14-16 pin DIP/IC

30.SA

6 1/2" 165mm, Desoldering tweezers Strong blunt, bent serrated tips

30D.SA

6" 155mm, reverse action desoldering tweezers straight tips, to remove 14-16 pin DIP/IC

7314.SA, 7314.NP

5 1/2" 140mm, Very strong blunt serrated tips and grips

7314B.SA, 7314B.NP

5 1/2" 140mm, Very strong blunt bent tips serrated tips and grips

All next models in the table are available in anti-magnetic stainless steel (SA) or nickel plated (NP)

Part number	Dimensions	
7312, 7312B	4 3/4"	120mm
7313, 7313B	5"	130mm
7314, 7314B	5 1/2"	140mm
7316, 7316B	6 1/4"	160mm
7318, 7318B	7 1/4"	180mm
7320, 7320B	7 3/4"	200mm
7325, 7325B	9 3/4"	250mm
7330, 7330B	12"	300mm

MATERIAL TECHNICAL DATA SHEETS

PLASTICS

Engineering plastic type CF

⇒ **PA66/CF30** polyamide 66 reinforced with 30 wt% carbon fibre
⇒ heat stabilized
⇒ very high rigidity, excellent tensile and flexural strength, fatigue and creep resistance
⇒ low friction, self lubricating properties, excellent wear and abrasion resistance
⇒ Good heat capability
⇒ good chemical resistance (oils, grease, fuels, non polar solvents); not resistant to strong acids, alkalis and hot water or steam
⇒ **ESD safe** material, (avoids dust attraction, sparks generation, ignition sources)
⇒ very low coefficient of linear thermal expansion
⇒ typical applications include handling of sensitive components and devices (electronic components, micro-mechanical parts, glass and ceramic substrates, capillary, etc.)

High-performance plastic type CP

⇒ **PEEK/CF30** polyetheretherketone reinforced with 30 wt% carbon fibre
⇒ very hard, rigid, high tensile and flexural strength, very high wear resistance
⇒ high heat capability (260-300°C), good dimension stability, low thermal linear expansion coefficient
⇒ excellent resistance to chemicals, aggressive agents and to thermal ageing
⇒ **ESD safe** material, low surface resistivity (105 Ohm)
⇒ typical applications include handling of components in cleaning/chemical/assembly processes also at high temperatures (soldering)

Engineering plastic type DG/DL
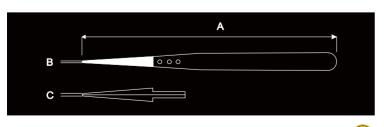
⇒ **POM/GF30** acetal resin reinforced with 30 wt% glass fibre
⇒ good tensile and flexural strength, fatigue and creep resistance
⇒ low friction, good wear and abrasion resistance
⇒ low moisture absorption
⇒ good chemical resistance (oils, grease, fuels, organic solvents); not resistant to strong acids, alkalis and oxidizing agents; good hydrolytic resistance (hot water)
⇒ insulating
⇒ typical applications include handling of very scratch sensitive components

High performance plastic type SV

⇒ **PVDF** polyvinylidene fluoride carbon fibre reinforced
⇒ excellent mechanical strength and toughness
⇒ smooth surface
⇒ heat stabilized, high heat capability, continuous use temperature up to 150°C
⇒ high purity (clean room and medical devices approved, low extraction value)
⇒ excellent chemical resistance to most aggressive substances (mineral and organic acids) and solvents (hydrocarbons, alcohols, halogenated), resistant to halogens
⇒ outstanding resistance to hydrofluoric acid (40% conc., 90°C), nitric acid (50% conc., 90°C), hydrochloric acid (36% conc., 90°C)
⇒ high abrasion resistant
⇒ resistant to UV and nuclear radiation (sterilisation)
⇒ **ESD safe** (avoids dust attraction, sparks generation, ignition sources)
⇒ typical applications include handling of very scratch- and contamination-sensitive components, cleaning and etching processes
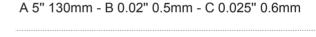
HIGH PRECISION TWEEZERS

Handcrafted to perfect tip symmetry and balance, polished edges, superior no-scratch/antiglare satin finish. The right tweezers and material for a successful application. Many High Precision Tweezers are available in different materials (SA, S, NC, N, TA, BR) and also available with special coatings (EP, NE, TE).

00CF.SA

A 5" 130mm - B 0.04" 1.0mm - C 0.08" 2.0mm

2ACF.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04" 1.0mm

3CCF.SA

A 4 1/4" 110mm - B 0.03" 0.8mm - C 0.05" 1.3mm

3CF.SA

A 5" 130mm - B 0.03" 0.8mm - C 0.05" 1.3mm

5CF.SA

A 5" 130mm - B 0.02" 0.5mm - C 0.025" 0.6mm

5XCF.SA

A 5" 130mm - B 0.02" 0.5mm - C 0.025" 0.6mm

7CF.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.025" 0.6mm

248CF.SA

0,8 mm

A 5" 130mm - B 0.4" 10mm - C 0.07" 1.8mm

249CF.SA

A 5" 130mm - B 0.09" 2.2mm - C 0.09" 2.2mm

250CF.SA

0,5 mm

1 mm

A 5" 130mm - B 0.4" 10mm - C 0.07" 1.8mm

259CF.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.04" 1.0mm

269CF.SA
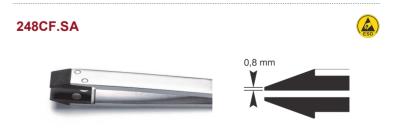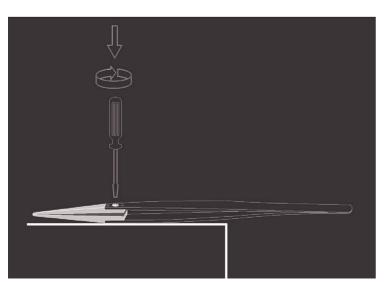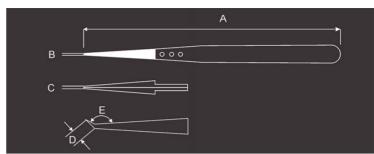
A 5" 130mm - B 0.12" 3.0mm - C 0.07" 1.8mm

PLASTIC REPLACEABLE TIP TWEEZERS

The largest and the most precise plastic tweezers range all over the world. 30 years of experience in high engineering plastic materials. Choose the right tweezers in the right material for your success in your application. More information and chemical data charts at www.ideal-tek.com. Replaceable kits come with 2 tips and 3 screws. The easiest and most precise replacement system available into the tweezers market.

A

B

C

E

D

00CFR.SA, 00CPR.SA, 00SVR.SA

A 5" 130mm - B 0.04" 1.0mm - C 0.08" 2.0mm

2ACFR.SA, 2ACPR.SA, 2ASVR.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04" 1.0mm

2ABCFR.SA, 2ABCPR.SA, 2ABSVR.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04" 1.0mm

2AXCFR.SA, 2AXCPR.SA, 2AXSVR.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04" 1.0mm

2WFCPR.SA

D

E

A

B

C

A 0.25" 6.6mm - B 0.41" 10.5mm - C 0.08" 2.0mm
D 0.14" 3.5mm - E 0.18" 4.5mm

TWEEZERS

4WFCPR.SA

A 0.47" 12mm - B 0.41" 10.5mm - C 0.08" 2.0mm
D 0.14" 3.5mm - E 0.18" 4.5mm

5CFR.SA, 5CPR.SA, 5SVR.SA

A 5" 130mm - B 0.02" 0.5mm - C 0.025"0.6mm

5XCFR.SA, 5XCPR.SA, 5XSVR.SA

A 5" 130mm - B 0.02" 0.5mm - C 0.025" 0.6mm

7CFR.SA, 7CPR.SA, 7SVR.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.025" 0.6mm

242CFR.SA, 242CPR.SA, 242SVR.SA

A 5" 130mm - B 0.055" 1.4mm - C 0.045" 1.2mm

246CFR.SA

A 5" 130mm - B 0.025" 0.6mm - C 0.03" 0.8mm
D 0.35" 9.0mm - E 45°

249CFR.SA, 249CPR.SA, 249SVR.SA

5" 130mm - B 0.09" 2.2mm - C 0.09" 2.2mm

259CFR.SA, 259CPR.SA 259SVR.SA

A 5" 120mm - B 0.025' 0.6 mm - C 0.04" 1.0mm

2ACFR.SA, 2ACPR.SA, 2ASVR.SA

A 5" 130mm - B 0.07" 1.8mm - C 0.04"1.0mm

3CFR.SA

A 5" 130mm - B 0.03' 0.8mm - C 0.05' 1.3 mm

3CCFR.SA

A 4 1/4" "110mm - B 0.03" 0.8mm - C 0.05" 1.3 mm

7CFR.SA, 7CPR.SA, 7SR.SA

A 5" 130mm - B 0.025' 0.6mm - C 0.025" 0.6mm

REPLACEABLE TIP SETS PART NUMBERS

	CF	CP	SV
00	A00CF	A00CP	A00SV
2A	A2ACF	A2ACP	A2ASV
2AB	A2ABCF	A2ABCP	A2ABSV
2WF		A2WFCP	
4WF		A4WFCP	
5	A5CF	A5CP	A5SV
7	A7CF	A7CP	A7SV
242	A242CF	A242CP	A242SV
246	A246CF		
249	A249CF	A249CP	A249SV
259	A259CF	A259CP	A259SV

SOFT TIP TWEEZERS

Carbofib soft tweezers (CF), scratched proof specifically

251.SA

4 1/4" 110mm

252.SA

4 1/4" 110mm

253.SA

4 1/4" 110mm

255.SA

4 1/4" 110mm

PRECISION TWEEZERS

The most popular Swiss Made tweezers are also available at a competitive price.
For more styles please visit High Precision Tweezers Category: Top Quality with no compromise.

H-series by ideal-tek is 100% Swiss Made and it's available only in Anti-Magnetic Anti-Acid Stainless Steel (SA) or Carbon for the 15AGW-H.C

00-SA

4 3/4" 120mm, Strong, flat edges, thick

1-SA

4 3/4" 120mm, Strong, flat edges, thick

15AGW-C

4 3/4" 120mm, Cutting tweezers for soft copper, gold, silver, magnetic wires

2-SA

4 3/4" 120mm, Flat, sharp fine tips

27-SA

5 1/3" 135 mm, Strong, sharp, fine tips

27-SA

5 1/3" 135 mm, Strong, sharp, fine tips

2A-SA

4 3/4" 120mm, Flat accurate round tips

3-SA

4 3/4" 120mm, Very sharp, fine

15AGW-C

4 3/4" 120mm, Cutting tweezers for soft copper, gold, silver, magnetic wires

2-SA

4 3/4" 120mm, Flat, sharp fine tips

27-SA

5 1/3" 135 mm, Strong, sharp, fine tips

2A-SA

4 3/4" 120mm, flat accurate round tips

3-SA

4 3/4" 120mm, Very sharp, fine

3C-SA

4 1/4" 110mm, As 3, short

4-SA

4 1/4" 110mm, Extra fine tips

5-SA

4 1/4" 110mm, Extra fine tips, superior finish

5A-SA

4 1/2" 115mm, Extra fine tips, superior finish

7-SA

4 1/2" 115 mm, Very fine, curved

7A-SA

4 1/2" 115 mm, As 7, strong

AC-SA

4 1/4" 110 mm, Strong tips, serrated gris

SS-SA

5 1/2" 140 mm, Extra fine tips

ECONOMY TWEEZERS

The most popular tweezers are also available in economical version at a very competitive price.

Made in Asia and re-worked by ideal-tek for a precision performance.

Made of Anti-Magnetic Anti-Acid Stainless Steel (SA)
Minimum order quantity 72 pcs

00-SA.B

4 3/4" 120mm, Strong, flat edges, thick

1-SA.B

4 3/4" 120mm, Strong, straight, fine

2.SA.B

4 3/4" 120mm, Flat, sharp fine tips

2A.SA.B

4 3/4" 120mm, Flat, sharp fine tips

3.SA.B

4 3/4" 120 mm, Sharp, fine

3C.SA.B

4 1/4" 110 mm, As 3, short

4.SA.B

4 1/4" 110mm, Fine tips

5.SA.B

4 1/4" 110mm, Fine tips

5A.SA.B

4 1/4" 115mm, Fine tips

5A-SA

4 1/2" 115mm, Extra fine tips, superior finish

7.SA.B

4 1/2" 115 mm, Fine, curved

7A.SA.B

4 1/2" 115 mm, As 7, strong

AA.SA.B

5 130 mm, General purpose straight tips

AC.SA.B

4 1/4" 110 mm, Strong tips, serrated grips

TWEEZERS

MM.SA.B

5 130 mm, General purpose strong fine tips

SS.SA.B

5 1/2" 140mm, Fine tips

3C.SA.B

4 1/4" 110 mm, As 3, short

4.SA.B

4 1/4" 110mm, Fine tips

5.SA.B

4 1/4" 110mm, Fine tips

5A.SA.B

4 1/4" 115mm, Fine tips

5A-SA

4 1/2" 115mm, Extra fine tips, superior finish

7.SA.B

4 1/2" 115 mm, Fine, curved

7A.SA.B

4 1/2" 115 mm, As 7, strong

AA.SA.B

5 130 mm, General purpose straight tips

AC.SA.B
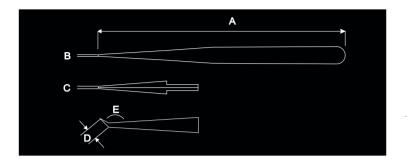
4 1/4" 110 mm, Strong tips, serrated grips

PLASTIC TWEEZERS

Carbofib soft tweezers (CF), scratched proof specifically designed to handle sensitive parts.

++ MOQ: 100 pcs ++

708.CF, 708.DG, 708.SV

A 4 1/2" 115mm - B 0.02" 0.5mm - C 0.04" 1.0mm
D 0.35 9.0mm - E 45°
++ DG type is not ESD ++

709.CF, 709.DG, 709.SV

A 4 1/2" 115mm - B 0.013" 3.3mm - C 0.02" 0.5mm
++ DG type is not ESD ++

702A.CF, 702A.DG, 702A.SV

A 4 1/2" 115mm - B 0.08" 2.0mm - C 0.04" 1.0mm
++ DG type is not ESD ++

710.CF, 710.DG, 710.SV

A 4 1/2" 115mm - B 0.03" 7.7mm - C 0.02" 0.5mm
++ DG type is not ESD ++

705.CF, 705.DG, 705.SV

A 4 1/2" 115mm - B 0.02" 0.5mm - C 0.025" 0.6mm
++ DG type is not ESD ++

707.CF, 707.DG, 707.SV

A 4 1/2" 115mm - B 0.02" 0.5mm - C 0.045" 1.2mm
++ DG type is not ESD ++

707A.CF, 707A.DG, 707A.SV

A 4 1/2" 115mm - B 0.025" 0.6mm - C 0.04" 1.0mm
++ DG type is not ESD ++

MATERIAL TECHNICAL DATA SHEETS

CERAMIC

Advanced Ceramic type MZ

⇒ **Zirconia Toughened Alumina (ZTA)**
⇒ a superior combination of high strength (from zirconia) and high hardness (from alumina)
⇒ relatively low density
⇒ no open porosity
⇒ very hard surface, good abrasion and wear resistance
⇒ good flexural strength and fracture toughness
⇒ excellent thermal properties and high temperature stability
⇒ extreme corrosion resistance, nearly chemically inert
⇒ electrically insulative
⇒ typically applications includes soldering processes, handling of components during thermal and chemical p r o c e s s e s . Generally used when very rigid tips are required

CERAMIC REPLACEABLE TIP TWEEZERS

Zirconia ceramic precision tips (MZ). Surface resistivity 10E12 Ohm. Contamination free, high temperature (1500°C) wearand solder resistant. Stainless steel (SA) handles. Alignable replaceable tips system: PATENT PENDING NO. 1750/97.

2AMZ.SA, A2AMZ

A 1.4" 35mm - B 0.08" 2.0mm - C 0.02" 0.6mm
replaceable tips set code: **A2AMZ**

7MZ.SA, A7MZ

A 1.7" 43.5mm - B 0.02" 0.6mm - C 0.02" 0.6mm
replaceable tips set code: **A7MZ**

71MZ.SA

A 1.2" 30mm - B 0.011" 0.3mm - C 0.011" 0.3mm
replaceable tips set code: **A71MZ**

72MZ.SA, A72MZ

A 1.2" 30mm - B 0.007" 0.2mm - C 0.016" 0.4mm
replaceable tips set code: **A72MZ**

73MZ.SA, A73MZ

A 1.3" 33mm - B 0.011" 0.3mm - C 0.02" 0.6mm
replaceable tips set code: **A73MZ**

74MZ.SA, A7MZ

A 1.6" 40mm - B 0.019" 0.5mm - C 0.019" 0.5mm
replaceable tips set code: **A74MZ**

MATERIAL TECHNICAL DATA SHEETS

ESD GRIPS & COATINGS

Engineering grip type DR

⇒ **NBR** vulcanized nitrile rubber
⇒ very soft and elastic, good tear resistance
⇒ outstanding abrasion/wear resistance (improved lifetime)
⇒ good chemical resistance (oils, grease, fuels, acid, detergents and soaps); good hydrolytic resistance (hot water)
⇒ electrically static dissipative, low surface resistivity (108 Ohm), ESD-safe material!
⇒ typical applications include ESD-safe handles, floor and work surface mats

Engineering grip type DN

⇒ **PVC FOAM**
⇒ very soft and elastic, good tear resistance
⇒ very good abrasion/wear resistance (improved lifetime)
⇒ good chemical resistance (oils, grease, fuels, acids, detergents and soaps, alcohols)
⇒ electrically static dissipative, ESD-safe material!
⇒ typical applications include ESD-safe handles, floor and work surface mats

Engineering coating type EP

⇒ **EP** polyester epoxy coating comprise essentially polyester and epoxy resins
⇒ Impact resistant surface with excellent flow; good elasticity
⇒ Can operate continuously at temperatures up to 120°C.
⇒ This coating provides an insulating coating with surface resistance > 10^{12} Ohm
⇒ Good resistance to many diluted acids and alkalis. Contact with organic solvents is possible conditionally and for short term. Resistance should be investigated for the case in question
⇒ Typical applications include tweezers handles (better grip, high comfort)

Engineering coating type NE

⇒ **NE** polyester epoxy coating comprise essentially polyester and epoxy resins, plus the electrically conductive additives
⇒ Impact resistant surface with excellent flow; good elasticity
⇒ Can operate continuously at temperatures up to 120°C
⇒ This coating provides a ESD Safe coating with surface resistance 10^5-10^6 Ohm
⇒ Good resistance to many diluted acids and alkalis. Contact with organic solvents is possible conditionally and for short term. Resistance should be investigated for the case in question
⇒ Typical applications include tweezers handles (better grip, high comfort) term. Resistance should be investigated for the case in question
⇒ Typical applications include tweezers handles (better grip, high comfort)

Engineering coating type NP

⇒ Pure nickel coating
⇒ Generally used to improve the resistance of tools made of carbon steel. The coating is deposited by electroplating technique.
⇒ Hard and elastic, very good resistance to mechanical stress.
⇒ Improved resistance to wear and abrasion.
⇒ Superior corrosion resistance to saltwater, alkalies and organic acids

Engineering coating type TE

⇒ **TE** is a solvent-based liquid Teflon® coating formulated withspecial blends of fluoropolymers and other high-performance resins to improve toughness and abrasion resistance
⇒ Substances will permanently adhere to a Teflon® finish. Although tacky materials may show some adhesion, almost all substances release easily
⇒ The coefficient of friction of this Teflon® coating is generally in the range of 0.20 to 0.25, depending on the load, sliding speed, and particular Teflon® coating used.
⇒ Since surfaces coated with Teflon® are both oleophobic and hydrophobic, they are not readily wetted. Cleanup is easier and more thorough - in many cases, surfaces are self-cleaning
⇒ Can operate continuously at temperatures up to 150°C and can be used for intermittent service up to 200°C.
⇒ Over a wide range of frequencies, Teflon® has high dielectric strength, low dissipation factor, and very high surface resistivity
⇒ Many Teflon® industrial coatings withstand severe temperature extremes without loss of physical properties. Teflon® industrial coatings may be used at temperatures as low as -270°C/-454°F
⇒ TE is normally unaffected by mild chemical environments. It has good resistance to diluted acids, diluted and concentrated alkalis and organic solvents
⇒ Typical applications include tweezers for the handling of very scratch-sensitive components or wafers

ERGONOMIC ESD CUSHION GRIP TWEEZERS

Anti-magnetic precision tweezers with soft ESD ergonomic cushion grips (resistivity 10E8) for an enhanced operator comfort.

00.SA.DR

5" 125mm, flat edges, thick

2A.SA.DR

5" 125mm, strong, sharp, rounded tips

3.SA.DR

5" 125mm, very sharp and superior finish

3C.SA.DR

4 1/2" 115mm, very sharp and superior finish

3C.SA.DN

4 1/2" 115mm, very sharp and superior finish

5.SA.DR

4 1/2" 115mm, extra fine tips

5.SA.DN

4 1/2" 115mm, extra fine tips

7.SA.DR

4 3/4" 120mm, fine curved tips

7.SA.DN

4 3/4" 120mm, fine curved tips

15AGW.DN

10mm

4 3/4" 120mm, for cutting hairsprings

ERGONOMIC ESD CUSHION GRIP TWEEZERS

Anti-magnetic precision tweezers with soft ESD ergonomic foam grips (resistivity 10E8) for an enhanced operator comfort.

00.SA.DN

5" 125mm, flat edges, thick

AA.SA.DN

5" 130mm, precision tips

ESD EPOXY PRECISION TWEEZERS

Anti-magnetic precision tweezers with ESD Epoxy grips (resistivity 10E5-10E6) for an enhanced operator comfort.

2A.SA.DN

5" 125mm, strong, sharp, rounded tips

00.SA.NE

4 3/4" 120mm, strong, flat edges, thick

3.SA.DN

5" 125mm, very sharp and superior finish

2A.SA.NE

4 3/4" 120mm, flat, accurate round tips

3.SA.NE

4 3/4" 120mm, very sharp, fine

3C.SA.NE

4 1/4" 110mm, as 3, short, very sharp and superior finish

5.SA.NE

4 1/4" 110mm, extra fine tips, superior finish

7.SA.NE

4 1/2" 115mm, very fine, curved

AA.SA.NE

5" 130mm, straight fine tips

SM103.SA.NE

4 1/2" 115mm, for handling and positioning 2 and 3 lead SOT, packages at 45° angle

SM108.SA.NE

4 3/4" 120mm, for positioning and soldering 1mm wide components, tips are grooved inside

SMART TWEEZERS™

Smart Tweezers™ is a handheld LCR meter of a new concept. It provides a perfect solution for testing and identification of Surface Mount Devices as well as troubles hooting of complex electronic systems.

Its unique mechanical and electronic design combines a pair of precise gold-plated tweezers and a digital LCR meter in compact, lightweight, battery powered instrument. The probe is able to measure resistance, capacitance, inductance with high accuracy and automatic component recognition.

⇒ Built-in high-precision LCR probe
⇒ Convenient one-hand operation
⇒ Ideal for Surface Mount Devices
⇒ Low-capacitance 4- wire shielded handles
⇒ Automatic component recognition
⇒ Automatic test range selection
⇒ Precise tips for small-size devices
⇒ Multi-component information display
⇒ Manual overrides of test modes
⇒ Measurement offset calculation capability
⇒ Portable and ergonomic design
⇒ Built-in rechargeable LiPo battery

Order Code	Description
ST-5S	Smart Tweezers Set (with standard tips)
ST5-IT-T	Standard replaceable Tips
ST5-IT-TSHP	High precision sharp replaceable Tips
ST5-IT-TB	High precision bent replaceable Tips
ST-5C	Smart Tweezers set, Economy solution

Calibration service available
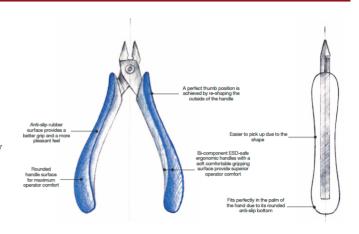
HIGH PRECISION CUTTERS & PLIERS

Perfect synergy of Swiss precision and Italian design

Introducing Ergo-tek from Ideal-tek.
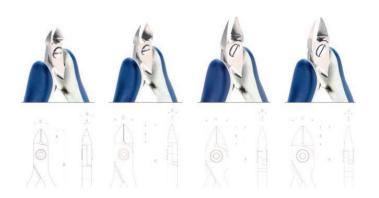
New cutters and pliers handles' set a new benchmark in ergonomics. Following the User-Centered Design approach of one of the world's most respected research universities (University of Milan), over a two year period, Ideal-tek gained a full understanding of the needs, wants and frustrations of end users. Subsequent painstaking attention to detail at every stage of the design process resulted in the creation of the ideal handles. Precision Swiss manufacture provides quality, accuracy and longevity. The addition of Italian design brings beauty and elegance. Ergo-tek. Perfect

THE CUTTERS

OVAL CUTTERS

- Small robust, slim shape, and optimum balance between durability and accessibility
- Large strong and durable, for intensive cutting operations.
- Extra-Large very strong and durable, for intensive cutting operations.
- Extra-Large Rounded extremely strong and durable with rounded head, for intensive cutting operations.
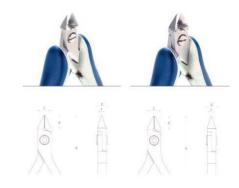
Art.no	Type	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	Cutting Edges	CUTTING CAPACITY					
								Soft (mm)	Soft (AGW)	Medium (mm)	Medium (AGW)	Hard (mm)	Hard (AGW)
E5140	Small	125	10	10	6.4	0.5	Semi-Flush	0.2-1.2	32-17	0.1-1.0	38-18	0.3-0.6	48-23
E5141	Small	125	10	10	6.4	0.5	Flush	0.1-1.2	38-17	0.1-1.0	38-18	-	-
E5142	Small	125	10	10	6.4	0.5	Full-flush	0.1-1.0	38-18	0.1-0.8	38-20	-	-
E5150	Large	125	12.5	12.5	6.4	0.5	Semi-Flush	0.3-1.6	29-14	0.1-1.3	38-16	0.03-0.7	48-21
E5151	Large	125	12.5	12.5	6.4	0.5	Flush	0.2-1.6	34-14	0.1-1.2	38-17	-	-
E5152	Large	125	12.5	12.5	6.4	0.5	Full-flush	0.2-1.2	32-17	0.1-1.0	38-18	-	-
E5160	Extra Large	130	14	16	6.4	0.5	Semi-flush	0.4-2.0	26-12	0.3-1.6	29-14	0.05-0.9	44-19
E5161	Extra Large	130	14	16	6.4	0.5	Flush	0.3-1.6	29-14	0.3-1.5	29-15	-	-
E5162	Extra Large	130	14	16	6.4	0.5	Full-flush	0.3-1.6	29-14	0.3-1.1	29-17	-	-
E5160L	Extra Large Rounded	130	14	16	6.4	0.5	Semi-flush	0.5-3.0	24-09	0.4-2.5	26-10	0.06-1.1	42-17
E5161L	Extra Large Rounded	130	14	16	6.4	0.5	Flush	0.4-2.5	26-10	0.4-2.3	26-11	-	-
E5162L	Extra Large Rounded	130	14	16	6.4	0.5	Full-flush	0.4-2.5	26-10	0.4-2.3	26-12	-	-

TAPERED
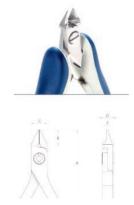
- Small pointed head shape, slim and optimum balance between durability and accessibility.
- Large robust and versatile, pointed head shape to increas

Art.no	Type	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	Cutting Edges	CUTTING CAPACITY					
								Soft (mm)	(AGW)	Medium (mm)	(AGW)	Hard (mm)	(AGW)
E5340	Small	125	10	10	6.4	0.5	Semi-Flush	0.2-1.2	32-17	0.1-1.0	38-18	0.3-0.6	48-23
E5341	Small	125	10	10	6.4	0.5	Flush	0.1-1.2	38-17	0.1-1.0	38-18	-	-
E5342	Small	125	10	10	6.4	0.5	Full-flush	0.1-1.0	38-18	0.1-0.8	38-20	-	-
E5350	Large	125	12.5	12.5	6.4	0.5	Semi-Flush	0.3-1.6	29-14	0.1-1.3	38-16	0.03-0.7	48-21
E5351	Large	125	12.5	12.5	6.4	0.5	Flush	0.2-1.6	34-14	0.1-1.2	38-17	-	-
E5352	Large	125	12.5	12.5	6.4	0.5	Full-flush	0.2-1.2	32-17	0.1-1.0	38-18	-	-

TAPERED AND RELIEVED

- Small pointed head shape and deep relief for a very low profile to maximize accessibility when limited space.

Art.no	Type	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	Cutting Edges	CUTTING CAPACITY					
								Soft (mm)	(AGW)	Medium (mm)	(AGW)	Hard (mm)	(AGW)
E5340	Small	125	10	10	6.4	0.5	Semi-Flush	0.2-1.2	32-17	0.1-1.0	38-18	-	-
E5341	Small	125	10	10	6.4	0.5	Flush	0.1-1.2	38-17	0.1-0.4	38-26	-	-
E5342	Small	125	10	10	6.4	0.5	Full-flush	0.1-0.8	38-20	0.1-0.4	38-26	-	-

WIRE LEAD CATCHERS

- Wire Lead Catcher, made of stainless steel AISI 304, for our high precision cutters with 10mm box or 12.5mm box. Packed in box of 20 bags in minigrip of 5 (Total 100 pcs).
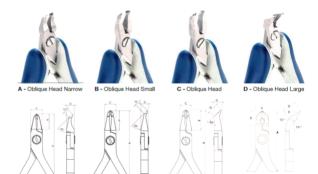
Order code	Type	Description
WLC100	Small	100 pcs; for cutters with box joint of 10mm
WLC125	Large	100 pcs; for cutters with box joint of 12.5mm

OBLIQUE HEAD CUTTERS

- A. - B. - C. Angulated cutters to maximize accessibility and visibility when limited space. D. Angulated and robust.

A - Oblique Head Narrow   B - Oblique Head Small   C - Oblique Head   D - Oblique Head Large

Art.no	Type	A (mm)	B (mm)	C (mm)	D (mm)	F (mm)	Cutting Edges	CUTTING CAPACITY					
								Soft		Medium		Hard	
								(mm)	(AGW)	(mm)	(AGW)	(mm)	(AGW)
E5245	Oblique Head Narrow	130	13	10	6.4	-	Full-flush	0.1-1.2	38-17	0.1-1.0	38-18	-	-
E5246	Oblique Head Small	130	17	10	6.4	-	Flush	0.1-1.2	38-17	0.1-0.4	38-26	-	-
E5247	Oblique Head	130	17	10	6.4	-	Flush	0.1-1.2	38-17	0.1-0.6	38-23	-	-
E5250	Oblique Head Large	130	14.5	10	6.4	-	Flush	0.2-1.2	32-17	0.1-1.0	38-18	-	-

SPECIAL CUTTERS

- E. - F. Long, narrow jaws. Sharp edges for cutting at the very tip. Deep relief for an exceptionally low profile. G. Tip cutters for vertical tip cutting.

E - Micro Tip 15°   F - Oblique Micro Tip   G - Front Cutter
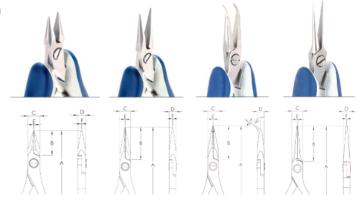
Art.no	Type	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Cutting Edges	CUTTING CAPACITY					
									Soft		Medium		Hard	
									(mm)	(AGW)	(mm)	(AGW)	(mm)	(AGW)
E5233	Micro Tip 15	135	20	10	6.4	-	-	Full-flush	0.1-0.8	38-20	0.1-0.6	38-23	-	-
E5234	Oblique Micro Tip	135	20	10	6.4	0.5	-	Full-Flush	0.1-0.8	38-23	0.1-0.6	38-23	-	-
E5247	Front cutter	135	18	10	6.4	4.2	-	Flush	0.1-1.2	38-20	0.1-0.8	38-20	-	-

SNIPE NOSE PILERS

- Wire Lead Catcher, made of stainless steel AISI 304, for our high precision cutters with 10mm box or 12.5mm box. Packed in box of 20 bags in minigrip of 5 (Total 100 pcs).

Order code	Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
E6021	Snipe Nose	135	20	10	6.4	1	0.5	smooth
E6022	Snipe Nose	135	20	10	6.4	1	0.5	serrated
E6023	Snipe Nose Long	145	30	10	6.4	1	0.5	Smooth
E6023S	Snipe Nose Long	140	28	10	6.4	1.8	1.6	Smooth
E6023B	Bent Nose	145	30	10	6.4	1	0.5	Smooth
E6024	Snipe Nose Long	145	30	10	6.4	1	0.5	Serrated
E6024S	Snipe Nose Strong	140	28	10	6.4	1.8	1.6	Serrated
E6025	Needle Nose	145	30	10	6.4	1.3	1.3	smooth

SNIPE NOSE PILERS

- A. - B. Flat nose pliers feature a very fine tip, smooth or serrated jaws and inner edges. C. Round nose pliers have jaws formed by two cones. A round nose pliers is generally used both to clamp and to form loops on leads or wire

Order code	Type	A [mm]	B [mm]	C [mm]	D [mm]	E [mm]	F [mm]	Jaw shape
E6011	Flat Nose	135	20	10	6.4	1.2	4.0	smooth
E6012	Flat Nose	135	20	10	6.4	1.2	4.0	serrated
E6013	Snipe Nose Long	145	30	10	6.4	1.5	3.6	Smooth
E6014	Snipe Nose Long	140	30	10	6.4	1.5	3.6	serrated
E6015	Round Nose	145	24	10	6.4	1.0	0.5	Smooth

MBT PROBES

Multi-purpose tools for electronics, chemistry and watchmaking.

ideal-tek

Applications:
» probe for lead-free soldering operations
» positioning aid tool for assembly operations
» spatula for applying adhesives, dosing chemicals in labs
» stirring rod for the preparations of adhesives, solutions
» scraper to remove solder masking agents, rubber latex, adhesive coatings
» microscopy sampling applications

Probes are wear resistant and the soft tips do not scratch delicate surfaces.

Available in three different types and materials or a complete set.

MPT1R

Rounded body—Fine tip and flat strong tip
Lenght: 150 mm, 5.0"

MPT2

Squared body - Curved ine tip and flat strong tip
Lenght: 150 mm, 5.90"

MPT3

Squared body - Flat fine sharp tip and flat large fine tip
Lenght: 140 mm, 5.51"

MPT123

Kit of MPT1R, MPT2, MPT3

Model	Material		
	CP	SV	NY
MPT1R	MPT1RCP	MPT1RSV	MPT1RNY
MPT2	MPT2CP	MPT2SV	MPT2NY
MPT3	MPT3CP	MPT3SV	MPT3NY
MPT123	MPT123CP	MPT123SV	MPT123NY

ESD

STAINLESS STEAL PROBES

Specifically designed to hold delicate components firmly and safely.

ideal-tek

K4MPTSP

Stainless steel probe - Kit of four styles (MPTSP1, MPTSP2, MPTSP3, MPTSP4)

K6MPTSP

Stainless steel probe - Kit of six styles (MPTSP1, MPTSP2, MPTSP3, MPTSP4, MPTSP5, MPTSP6)

MPTSP1

Stainless steel probe - Straight needle tip

MPTSP2

Stainless steel probe - Angled needle tip

MPTSP3

Stainless steel probe - Single bend tip

MPTSP4

Stainless steel probe - Hook tip

MPTSP5

Stainless steel probe - Triple bend tip

MPTSP6

Stainless steel probe - Flat tip

Calibration test and self diagnostic procedure
Last counting value and condition memory

ITECO was formed in 1981 to provide equipment for industrial electronic. Their experience, their continuous and constant presence at the most important electronic fairs (PRODUCTRONICA, BIAS, MICROELETTRONICA etc...), and especially their service to customers makes their mark affordable and famous. Iteco has a certified quality system. Their certificate is 9115.ITEC and we got it by CISQ on april 23th 1993. On december 2003 they have got the certification of the new standards ISO 9001:2000 (called Vision 2000) Mechanical production and plastic moulding production are integrated by the work of external subcontractors.

COUNTY EVO

COUNTY EVO is a microcomputer based instrument which counts axial, radial and SMD (with 8301.018 option) components.
TECHNICAL FEATURES
Counting in both directions (left or right)
Divider from 0,5 to 19
TOTALIZER mode counting
PRESET mode counting (with an audible alarm when the desired component number is reached)

Specifications

Specifications	
Maximum counting value	999999 counts
Minimum lead diameter	0.4 mm
Axial component bandolier width	55 - 110 mm
Radial component bandolier width	max 18 mm
Maximum component diameter	14 mm
Display	4 digits 13 mm height
Dimensions	240 x 130 x 110 mm
Weight	1.8kg

Order Code	Type
8301.081	COUNTY EVO 230V 50 - 60 Hz
8301.082	COUNTY EVO 230V 50 - 60 Hz with accumulator, Barcode reader, printer output
8301.023	Complete support for rolled bandolier (1 pcs)
8301.025	Bandolier handle
8301.018	SMD County Adaptor
8301.028	SMD support for rolled bandolier
8301.030	SMD bandolier handle
8301.350	ISO9000 Traceable® Certificate
8301.155	Barcode Reader

COUNTY-S EVO

For taped SMD component counting. This machine works in a simple way by counting the holes on the tape.

Specifications	COUNTY-S
Display	LCD Display, 74 x 46 mm
Maximum counting speed	220 pc/sec (1 piece per hole)
Accuracy	±1 piece
Holes per component (factor division)	from 0.5 to 99
Maximum tape height	56 mm
Maximum reel diameter	400 mm
UP/DOWN counting	
Partial counting memory	
PRESET mode	
Variable feeding speed	
Step by step	(1 component at a time)
Printer or PC output	

Order Code	Type
8301.131	COUNTY-S EVO 220/240V 50-60Hz
8301.133	COUNTY-S EVO 220/240V 50-60Hz, with empty pocket check
8301.110	Empty reel
8301.350	ISO9000 Traceable® Certificate
8301.150	Support for reels > 400 mm diameter

THERMAL LABEL PRINTER

For the printing of the following data:
date, hour, total quantity in text format date and quantity in bar code format.
AC adaptor 110-230 VAC and data cable included.

Order Code	Type
8301.095	**Thermo-adhesive label printer**, can be fitted to COUNTY EVO and COUNTY-S EVO counters
8301.096	57x51mm, 1360 labels/roll

COUNTER-PEN™

For the printing of the following data:
date, hour, total quantity in text format date and quantity in bar code format.
AC adaptor 110-230 VACand data cable included.

Order Code	Type
8301.120	COUNTER-PEN digital counter
8301.122	Replacement pen cartridge

COUNTY-W COUNTING SCALES

Specifications	
System	strain gauge
Display	3 groups of 14mm backlighted LCDs
Main	220 - 240Vac 50/60Hz
Battery	Internal rechargeable
Operating temperature	0 +40°C
RS232C serial output option	
Optional printer interface	
Optional ISO9000 Traceable® Certificate (**8301.355**)	

COUNTING MACHINES

HIGH RESOLUTION

Display resolution	1/30,000
Internal resolution	1/480,000

Order Code	Type
8301.190	3Kg
8301.191	6Kg
8301.192	15Kg
8301.193	30Kg

PROFESSIONAL

Display resolution	1/30,000
Internal resolution	1/600,000
Auto-Calibration	software

50 unit weight memory cells

Order Code	Type
8301.200	6Kg

COUNTY-W Technical data

MODEL	CAPACITY	DISPLAY RESOLUTION	INTERNAL RESOLUTION	MINIMUM UNIT WEIGHT	PLATTER SIZE
8301.190	3000g	0,1g	0,01g	0,1g	334 x 245 mm
8301.191	6000g	0,2g	0,02g	0,2g	334 x 245 mm
8301.192	15000g	0,5g	0,05g	0,5g	334 x 245 mm
8301.193	30000g	1g	0,1g	1g	334 x 245 mm
8301.200	6000g	0,2g	0,01g	0,1g	320 x 240 mm

TEST WEIGHTS

All counting scales can be calibrated using the internal software, and a certified test weight. To achieve optimum accuracy from the balance, it should be adjusted in the locality where it is used, because the latitude and longitude affect the calibration andthe strain gauge cell could go out of adjustment during the transportation.

Order Code	Test Weights
8301.296	0.02Kg F1 class - case - DKD certificate
8301.300	0.1Kg F1 class - case - DKD certificate
8301.303	0.5Kg F1 class - case - DKD certificate
8301.305	1Kg F1 class - case - DKD certificate
8301.310	2Kg F1 class - case - DKD certificate
8301.315	10Kg F1 class - case - DKD certificate

PRECISION BALANCE

Precision electronic balance with anti-dust and anti-wind covers for to minimise the mistakes caused by the environment. Normal weighting, piece counting, and percentage counting modes.

Specifications

Weighing units	13 selectable (Gram, Carat, Ounce, etc.)
Pan size	Ø 125mm (4.9 inches)
Scale dimensions	220 x 180 x 160(H)mm
Measuring system	Strain Gauge Load Cell
Display	liquid crystal 14mm, with backlight
Set up	can be configured by the customer
Display resolution	1 / 15,000
Internal resolution	1 / 300,000
Power:	AC/DC adaptor operated by 230V or 115VAC (specify in the order) with 4 alkaline batteries size C(UM-2), 100 hours operation

Order Code	Capacity	Display resolution	Internal resolution
8301.230	150g	0.005g	0.001g
8301.231	300g	0.01g	0.002g
8301.232	600g	0.02g	0.004g

PLATFORM COUNTING SCALE

Accurate and efficient industrial model

Specifications

Measuring system	strain gauge
Pan size	510 x 420mm (16 x 20inches)
Total height	1m
Calibration	by software
Display	liquid crystal 14mm, with backlight
Display resolution	1/15.000 10g@150Kg
Internal resolution	1/300.000
Set up	can be configured by the customer
Power	110 - 120 - 220 - 240VAC 50/60Hz
Internal rechargeable battery	120 hours operation

Order Code	Type
8301.225	Platform counting scale 150Kgs

AUTOMATIC FORMING TOOLS
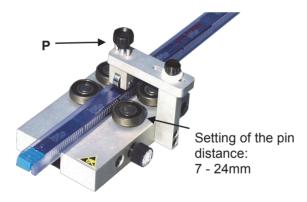
This tool is hand operated, adjustable, useful to obtain a U-form for axial components.
Adjustable pitch from 12 to 28mm.

Specifications	
Max. Body diameter	11mm.
Max. Lead diameter	01mm
Min bending distance from body "C"	2.5mm

Order Code	Type
7915.593	U-form plier - mod.PR/3

PINS ALIGNER

Setting of the pin distance: 7 - 24mm
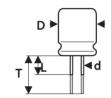
Pin aligner suitable for integrated circuits MOS and CMOS , from 4 to 64 pins. Operation is made by sliding the packaging tube between the 4 metal rollers. Easy adjustment of the pitch by means of the setting knob.

Order Code	Type
7804.711	PINS Aligner, 7-24mm with press (P)
7804.712	PINS Aligner, 7-24mm without press (P)

SUPERCUT

SUPERCUT is a machine made for cutting radial loose components and, with an optional adapter, also taped components. It is extremely compact and sturdy and all mechanical parts have been designed to ensure the highest quality and the longest possible life. The loading of components is easy and quick, and the production is high because there is no down time due to the automatic transfer and ejection of the components. The transfer speed is adjustable. The small sliding door in front allows for lead length adjustements. There is an optional adapter for radial taped components.

	L	d	D
Min mm	3	0.4	1
Max mm	12	0.8	15

T(original lenght) > L + 6mm

Specifications	
Production rate	up to 3000 pcs/hr
Dimensions	400 x 270 x 270(H)mm
Weight	14Kg

Order Code	Type
7915.593	U-form plier - mod.PR/3
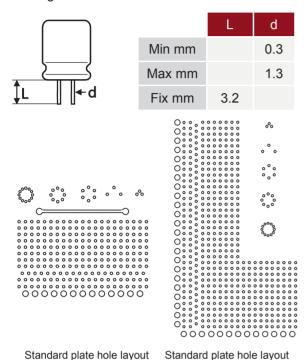
SUPERCUT/LN5

This pneumatic machine is designed to cut/trim almost every type radial lead components. The guillotine cutting system, with zero clearance between the plates, guarantees a sharp

and precise cut without burrs or damage to the leads. It is possible to cut many components at the same time without any risk of wear of the blades. The machine can be supplied with special cutting jig. An additional optional plate (thickness to be specified , max 3mm) can be supplied to increase the cutting height of the leads. Two models available, the first with a cutting area 53x43mm, the second with a cutting area 53x93mm.

	L	d
Min mm		0.3
Max mm		1.3
Fix mm	3.2	

Standard plate hole layout SUPERCUT/LN5

Standard plate hole layout SUPERCUT/LN5L

Specifications	
Production rate	up to 3000 pcs/hr
Dimensions	140 x 210 x 110 mm
Supply	6 ATM
Weight	6 Kg

Order Code	Type
7915.041	SUPERCUT/LN5 with foot pedal control
7915.041L	SUPERCUT/LN5L long model with foot pedal control
340.114	Optional additional plate for SUPERCUT/LN5 (max 3mm)
340.214	Optional additional plate for SUPERCUT/LN5L (max 3mm)
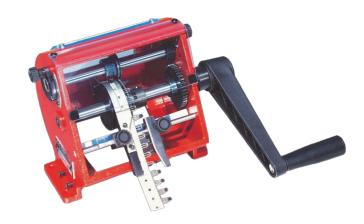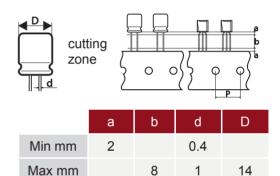
SUPERFORM-R

SUPERFORM/R is a machine made for cutting radial taped components such as capacitors, transistors and stand-off resistors.

cutting zone

	a	b	d	D
Min mm	2		0.4	
Max mm		8	1	14

Specifications	
Production rate	up to 20000 pcs/hr

Order Code	Type
7915.113A (standard)	SUPERFORM/R P=12.7mm (.5")
7915.113B	SUPERFORM/R P=15.0mm (.59")
7915.030	Motor Unit for SUPERFORM, 230V - 50/60Hz
7915.185	Tape Reel Holder arm BR6

SUPERFORM/V

SUPERFORM/V is a machine made for cutting and bending axial taped components for vertical mounting.
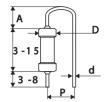
Specifications — SUPERFORM/V

Production rate	up to 40000 pcs/hr

Model	P	d		A		D
	fix	min	max	min	max	max
7915.101 B standard model	2.54	0.5	0.8	2	6	3
7915.101 C	3.8	0.5	0.8	2.5	6	5
7915.101 D	5.08	0.5	0.8	3	7	8
7915.101 E	7.62	0.5	0.8	4	7	10
7915.091 A	3.8	0.8	1.3	4	9	5
7915.091 B	5.08	0.8	1.3	5	9	8
7915.091 C	7.62	0.8	1.3	6	9	10

Order Code	Type
7915.030	Motor Unit for SUPERFORM, 230V - 50/60Hz
7915.182	Feeder CS30 for loose axial components
7915.185	Tape Reel Holder arm BR6
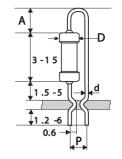
SUPERFORM/VP

SUPERFORM/VP is a machine made for cutting and ending axial taped components for vertical assembling, and shaping a little curl on each reophore.

Specifications

Production rate	up to 40000 pcs/hr

CUSTOM MADE, need samples to test feasibility

Model	P	d		A		D
	fix	min	max	min	max	max
7915.108 A standard model	2.54	0.5	0.8	2.8	5	4

Order Code	Type
7915.032	Motor Unit for SUPERFORM, 230V - 50/60Hz
7915.185	Tape Reel Holder arm BR6

SUPERCUT/RS4

A pneumatic machine designed to cut loose radial component leads. The feed is manual, on the top of the machine. Pressing the footpedal effects cutting and preforming of the leads in a very quick and precise way. A large variety of Dies is available, substitution of the Die assembly is extremely quick and simple. A machine three cylinders equipped, with custom tool, can be supplied for more complex not standard forms.

Specifications

Production rate	up to 2000 pcs/hr

Order Code	Type
7915.166	SUPERCUT/RS without preforming set
16xxxx	**Preforming set**

SUPERCUT/TS1

A pneumatic machine designed to cut loose radial component leads, the feed is manual, on the top of the machine. Pressing the footpedal effects cutting and prefoming of the leads in a very quick and precise way. A large variety of Dies is available, substitution of the Die assembly is extremely quick and simple.

⇒ wire holder system available on request
⇒ more powerful cylinders
⇒ stronger and more accurate
⇒ less wear
⇒ very large components processing
   (max. length 140mm, max. pitch 45mm)

Specifications

Production rate	up to 2000 pcs/hr

Order Code	Type
7915.171	SUPERCUT/TS1 without preforming set
18xxxx	**Preforming set**

PREFORMING SETS

SUPERCUT/RS4

Code	Description
160600 / 180600	STAND OFF LOCK-IN
160700 / 180700	STAND OFF LOCK-IN LED
160900 / 180900	LOCK-IN
161000 / 181000	STRAIGHT CUT
161200 / 181200	STAND-OFF LOCK-IN POLARITY FOR LED
161300 / 181300	90° BENDING
161500 / 181500	STAND-OFF INWARD FORM
161700 / 181700	TO SPREAD OUT AND CUT
162100 / 182100	POWER TRANSISTOR CENTER LEAD 2.5 mm OUT
163100 / 183100	TO220 90° BENDING CENTER LEAD 5mm OUT
162300 / 182300	TO220 CENTER LEAD SPREAD 3 LEAD LOCK
162400 / 182400	TO220 STAND-OFF, LOCK-IN 3LEAD IN LINE
162600 / 182600	TO220 CENTER LEAD SPREAD 3 LEAD LOCK
162700 / 182700	TO220 STAND-OFF, LOCK-IN 3LEAD IN LINE

SUPERCUT/TS1

Code	Description
160700 / 180700	STAND-OFF OUTWARD FORM
161100 / 181100	DIODE 4 LEADS STAND-OFF INWARD FORM
161400 / 181400	SURFACE MOUNTING
161800 / 181800	TO REDUCE PITCH AND CUT
162200 / 182200	TO220 CENTER LEAD SPREAD AND LOCK
162500 / 182500	TO92 CENTER LEAD 2:5mm OUT
162800 / 182800	TO92 CENTER LEAD 2.5mm OUT

SUPERFORM/A

SUPERFORM/A is a machine made for cutting and bending axial taped components, it is extremely compact and sturdy and its main characteristic is to form components with rheophore up to 1.4 mm. Its tracking wheels are adjustable independently to allow rapid setup at different forms.

Specifications

Production rate	up to 40000 pcs/hr

Order Code	Type
7915.030	Motor unit for SUPERFORM, 230V - 50/60Hz
7915.180	CS10 feeder for loose axial components
7915.185	Tape reel holder arm BR6

SUPERFORM/A

	B min	B max	P min	P max	C max	D max	d min	d max	L max	
7915.100A standard model	4	13	6.5	60 (40°)	1.2	16	0.4	1.3	50	7915.100AR quick setting
7915.100D reinforced bending knives	5	13	10.5	60 (40°)	2.4	16	0.6	1.4	50	7915.100DR quick setting
7915.100F reduced cutting length reduced bending length	4	13	5	60 (40°)	0.8	10	0.4	0.8	50	7915.100FR quick setting
7915.100G like"F" + fixed pitch	4	13	5	-	0.5	4	0.4	0.6	3.5	

SUPERFORM/AP

SUPERFORM/AP is a machine made for cutting and bending axial taped components for vertical assembling, and shaping a little curl on each lead. The machine handles wire diameters ranging from 1 mm to 1.4mm. By replacing the 2 .cutting/forming wheels. with 2 .only cutting wheels. (optional) it is possible to obtain an U-shape without curls.

Specifications

Production rate	up to 20000 pcs/hr

Order Code	Type
7915.030	Motor unit for SUPERFORM, 230V - 50/60Hz
7915.180	CS10 feeder for loose axial components
7915.185	Tape reel holder arm BR6

	P min	P max	B min	B max	C min	C max	L max	d min	d max	D max	h min	h max	Z fix
7915.102A standard model z=3.1	6.5	60	10	14	1.2	10	50	1	1.3	16	7	11	3.1
7915.102B reinforced bending knives z=3.1	10.2	60			2.4				1.4				3.1
7915.102C standard model z=3.9	6.5	60			1.2				1.3				3.9
7915.102D reinforced bending knives z=3.9	10.2	60			2.4				1.4				3.9
7915.102E standard model z=5	6.5	60			1.2				1.3				5
7915.102F reinforced bending knives z=5	10.2	60			2.4				1.4				5

SUPERFORM MOTOR UNIT

Equipped with manual speed adjustment and automatic torque control for an easy and fast working of the SUPERFORM machine. The motor unit is supplied only with the machine assembled.

Order Code	Type
7915.030	230V Motor Unit for SUPERFORM/A-AP-S-V-R-RCP
7915.032	230V Motor Unit for SUPERFORM/AF-VP
600.023	Foot switch for 7915.030/031/032/033 motors
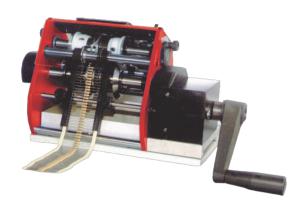
SUPERFORM Tape Reel Holder BR6

A tape reel holder arm to be fixed on the left side of Superform, to facilitate unwinding of the tape.

Order Code	Type
7915.185	BR6 for allSUPERFORMmodels

SUPERFORM/AF

The SUPERFORM/AF is a machine designed to cut, bend and preform axial components with a lead diameter ranging from 0.5 to 0.8mm. An innovatory preforming system, fully mechanic, allows the rotation of the central feed to stop while two preforming assemblies grip the component leads and preform the leads according to the chosen dies. The components are in this way first cut and .U. bent to the dimensions previously set and then the preforming is made.

The cutting and bending parameters as well of the position of the preform are fully adjustable.Different forms can be obtained with this machine, through the easy substitution of the two preforming dies. It is also possible to exclude part of the preforming operation to obtain the cutting and .U. bending only. By use of the variable speed Motor Drive Unit working can be automatic and the production rate can be increased.

Specifications	
Production rate	up to 7000 pcs/hr
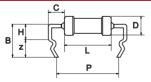
STAND OFF — Dimensions in mm (* can increase, according to the component diameter)

	P		L	C	H		B		d		D	a	z	
	min	max	max	min	min	max	min	max	min	max	max		min	max
7915.095 (standard) with 420.800 assembly die	10.5	61	50	1.2	6*	9	8*	11	0.5	0.8	8	2.5	2	4
7915.095 (standard) with 420.750 assembly die	10.5	61	50	1.2	8.5*	9.5	8.5*	11.5	0.6	0.9	8	3	2	4
7915.096 (reinforced) with 420.750 assembly die	10.5	61	50	1.5	7*	12	9*	14	0.8	1	8	3	2	4
7915.097 (extra reinforced) with 430.700 assembly die	13	61	50	2.5	11*	16	13*	18	1	1.3	8	4	2	4

STAND OFF - LOCK IN — Dimensions in mm (* can increase, according to the component diameter)
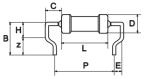
	P		L	C	H		B		d		D	z	
	min	max	max	min	min	max	min	max	min	max	max	min	max
7915.095 (standard) with 420.850 assembly die	10.5	61	50	1.2	4.5*	8	7.5*	11	0.5	0.8	8	3	4
7915.095 (standard) with 420.950 assembly die	10.5	61	50	1.2	4.5*	8	7.5*	11	0.6	0.9	8	3	4.5
7915.096 (reinforced) with 420.950 assembly die	10.5	61	50	1.5	5.5*	11	8.5*	14	0.8	1	8	3	4.5

STAND OFF - REDUCED PITCH
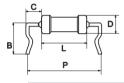
Dimensions in mm (* can increase, according to the component diameter)

	P		L	C	H		B		d		D	z		E
	min	max	max	min	min	max	min	max	min	max	max	min	max	
7915.095 (standard) with 420.900 assembly die	8	59	50	1.2	5*	9	7*	11	0.5	0.9	8	2	4	1.27
7915.095 (standard) with 420.900 assembly die	8	59	50	1.5	6*	12	8*	14	0.8	1	8	2	4	1.27
7915.096 (reinforced) with 430.900 assembly die	10.5	59	50	2.5	9*	16	11*	18	1	1.3	8	2	4	1.27

BODY LOCKED ON PCB

Dimensions in mm (* can increase, according to the component diameter)

	P		L	C	B		d		D
	min	max	max	min	min	max	min	max	max
7915.095 (standard) with 420.900 assembly die	10.5	61	50	1.2	5	8	0.5	0.8	8

Order Code	Type
7915.095	SUPERFORM/AF standard, without preforming die
7915.096	SUPERFORM/AF reinforced, without preforming die
7915.097	SUPERFORM/AF extra reinforced without preforming die
7915.185	Tape Reel Holder arm BR6 for SUPERFORM
7915.032	Motor Unit for SUPERFORM/AF, 230V- 50/60Hz
7915.184	Loose Component Feeder CS40 for SUPERFORM/AF

Order Code	Type
420.750	STAND-OFF preforming die assembly, curl 3mm
420.800	STAND-OFF preforming die assembly, curl 2.5mm
420.850	STAND-OFF/LOCK-IN pref. die assembly (d:0.5 - 0.8)
420.900	STAND-OFF/REDUCED PITCH pref. die assembly
420.950	STAND-OFF/LOCK-IN pref. die assembly (d:0.6 - 1)
421.000	BODY LOCKED ON PCB preforming die assembly
430.700	STAND-OFF preforming die assembly (d:1-1,3mm)
430.900	STAND-OFF/REDUCED PITCH (d:1-1,3mm)

SUPERCUT/TOCF for tubed transistors

SUPERCUT/TOCF automatic machine is designed to cut and form tubed radial components type TO220, TO218, TO126. The complete operation is fully automatic and each form needs dedicated die. The full tube is introduced into the upper guide and a pneumatic system allows the component clamping and its positioning in the working point. The leads have before locked by the wire holder and after formed by the sliding die.

Specifications

Production rate	up to 20000 pcs/hr

131000 STRAIGHT CUT	131300 90° BENDING	131400 SURFACE MOUNTING	132100 CENTER LEAD OUT
132200 CENTER LEAD SPREAD AND LOCK	132300 CENTER LEAD SPREAD 3 LEAD LOCK	132400 STAND-OFF, LOCK-IN 3LEAD IN LINE	133100 90° BENDING CENTER LEAD 5mm OUT
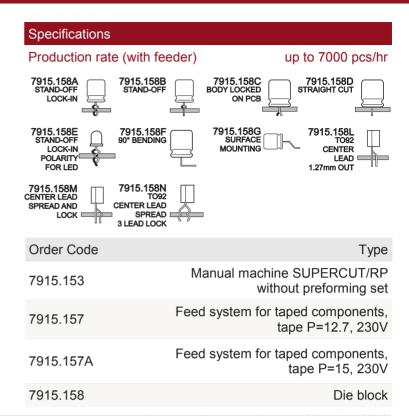
Order Code	Type
7915.177	SUPERCUT/TOCF without tools, 230V

SUPERCUT/RP for taped radials

SUPERCUT/RP is a machine designed to cut and form taped radial component leads, the curl formed by this model allows the components to remain spaced and locked in the PCB, making assembly operations easier. The machine can be supplied with preforming curl dies different from the standard ones. It is a pneumatic machine, the leads must be introduced into a slot on the front of the machine. Taped components may be manually fed into the machine whilst the foot pedal is pressed. An automatic feeder system for taped components is available.

Specifications

Production rate (with feeder)	up to 7000 pcs/hr

7915.158A STAND-OFF LOCK-IN	7915.158B STAND-OFF
7915.158C BODY LOCKED ON PCB	7915.158D STRAIGHT CUT
7915.158E STAND-OFF LOCK-IN POLARITY FOR LED	7915.158F 90° BENDING
7915.158G SURFACE MOUNTING	7915.158L TO92 CENTER LEAD 1.27mm OUT
7915.158M CENTER LEAD SPREAD AND LOCK	7915.158N TO92 CENTER LEAD SPREAD 3 LEAD LOCK

Order Code	Type
7915.153	Manual machine SUPERCUT/RP without preforming set
7915.157	Feed system for taped components, tape P=12.7, 230V
7915.157A	Feed system for taped components, tape P=15, 230V
7915.158	Die block

SUPERFORM-LC low-cost series
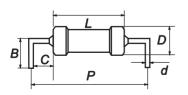
Economic, manual machines, designed for small productions. These machines can not be motorized, the "Tape reel holder" model BR6 (page 11 of the catalog) can be applied

SUPERFORM/A-LC

SUPERFORM/A-LC is a machine made for cutting and bending axial taped components, it is extremely compact and sturdy and its main characteristic is to form components with rheophore up to 1.4 mm

Its tracking wheels are adjustable independently to allow rapid setup at different forms.
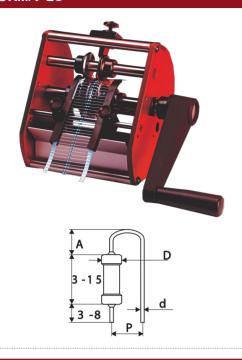
	B		P		C	D	d		L
	min	max	min	max	max	max	min	max	max
7915.200A standard model	4	13	6.5	60	1.2	16	0.4	1.3	50
7915.200D reinforced bending knives	5	13	10.5	60	2.4	16	0.6	1.4	50
7915.200F reduced cutting length reduced bending length	4	13	5	60	0.8	10	0.4	0.8	50
7915.200G like"F" + fixed pitch	4	13	5	-	0.5	4	0.4	0.6	3.5
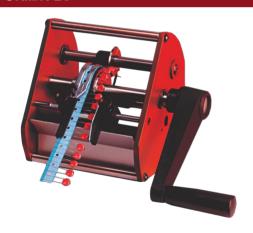
SUPERFORM/V-LC
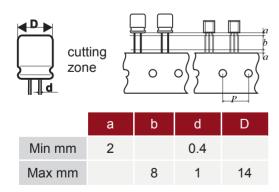
SUPERFORM/V-LC is a machine made for cutting and bending axial taped components for vertical mounting.

	P	d		A		D
	fix	min	max	min	max	max
7915.201 B standard model	2.54	0.5	0.8	2	6	3
7915.201 C	3.8	0.5	0.8	2.5	6	5
7915.201 D	5.08	0.5	0.8	3	7	8
7915.201 E	7.62	0.5	0.8	4	7	10
7915.209 A	3.8	0.8	1.3	4	9	5
7915.209 B	5.08	0.8	1.3	5	9	8
7915.209 C	7.62	0.8	1.3	6	9	10

SUPERFORM/R-LC
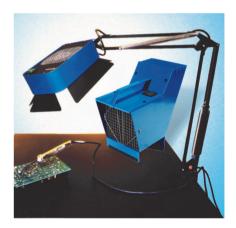
SUPERFORM/R-LC is a machine made for cutting radial taped components such as capacitors, transistors and stand-off resistors.

cutting zone

	a	b	d	D
Min mm	2		0.4	
Max mm		8	1	14

Order Code	Type
7915.213A (standard)	P=12.7mm
7915.213B	P=15mm

GOSMOKE

The GOSMOKE exhauster is a convenient and economical solution to the fumes associated with soft soldering. Fumes close to the worker are drawn in, filtered and direct towards the ceiling where supplementary ventilation can be eventually provided. There are two models, both of them are equipped with an axial fan and a cellular activated filter, which filters out some of the colophony, tin and lead vapours contained in the fumes. The filter should be replaced every 100 working hours.

⇒ **table model:**
This portable suction unit is light, space saving and quiet, by using the adjustable support the exhauster can be hung above the work table at different heights and tilted at different angles.

⇒ hanging model:
With an adjustable bracket it is a better solution to reach a larger area of the workbench. This model is also available with a halogen lamp .

Specifications	GOSMOKE
Power	20 W
Air volume	130 m3/h
Noise	45 dB(A)

Order Code	Type
7820.001	Exhauster 230V (table model)
7820.003	Set of 4 spare filters
7820.004	Adjustable support for table model
7820.021	Exhauster 230V (hanging model)
7820.031	Exhauster 230V (hanging model) with lamp.
All GOSMOKE exhausters are supplied with 4 spare filters.	

PCB ASSEMBLY FIXTURES

A professional line of assembly jigs for PCB.s, designed to simplify placing and soldering of electronic components.
PCSA1,2,4 are supplied with central and two sliding rails as standards. Additional rails may be added to accommodate a larger number of small boards. The frame and lid assembly may be detached from the mounting base. After mounting the components on the PCB.s , the foam back lid is attached and closed, and the whole assembly is lifted and rotated for soldering. An ingenious design of the base permit an adjustable working angle on both side of the PCB.s.
The jig is varnished steel, and the component pressing foam is in conductive material.

Order Code	Type
7915.599	PCSA1 PCB's holder, max. working dimensions 270 x 220mm
7915.601	PCSA2 PCB's holder, max. working dimensions 500 x 220mm
7915.605	PCSA4 PCB's holder, max. working dimensions 500 x 350mm
7915.610	Additional sliding rail for PCSA1
7915.612	Additional sliding rail for PCSA2 and PCSA4

BONCOTE FLUX PENS

- ESD safe handy tools
- Flux can be refilled economically
- Fine point, broad point, or slash cut tip styles available
- No flux evaporation
- Flux density can be kept constant
- No dripping and flooding

Model	Description
BON-102	Bonpen; Brush-type, thin - Gold
BON-102B	Bonpen; Felt-type, thin - Pink
BON-102D	Bonpen; Brush-type, flat - Blue
BON-102F	Bonpen; Felt-type, flat - Green
BON-102K	Bonpen; Felt-type, knife - Yellow
BON-102S	Bonpen; Brush-type, ultrafine - Violet
BON-102T	Bonpen; Brush-type, thick - Orange
BON-102A	Bonpen KIT contains 7 different types
BR-102	Cap & Brush; Brush-type, thin - Gold
BR-102B	Cap & Brush; Felt-type, thin - Pink
BR-102D	Cap & Brush; Brush-type, flat - Blue
BR-102F	Cap & Brush; Felt-type, flat - Green
BR-102K	Cap & Brush; Felt-type, knife - Yellow
BR-102S	Cap & Brush; Brush-type, ultrafine - Violet
BR-102T	Cap & Brush; Brush-type, thick - Orange
CA-102	Cartridge for Bonpen

DINO-LITE, DIGITAL MICROSCOPE

A full range of ESD safe digital microscopes
Dino-Lite offers a full range of Electrostatic Discharge (ESD) safe digital microscopes and accessories, specifically designed with the needs of the electronics industry in mind.

The robust aluminum housing of the ESD-safe microscope models generates no significant static. The special ESD-safe stands are finished with a speciallyformulated, ESD-safe coating, developed for environments involving sensitive electronic circuits. This makes the Dino-Lite a safe and essential tool for anyone in the electronics industry, for inspection, quality control, rework/repair or precision assembly tasks.

Applications
> Solder Inspection
> Component Inspection
> Failure Analysis
> Quality Control
> Counterfeit

AM4013MZT

Magnification: Adjustable
10 - 70x & 200x

1.3 Megapixel, 1280 x 1024

Polarizer
Anti-Reflection

By using a special polarization filter, the AM4013MZT is the right choice when working with high glare materials such as plastics and metals. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry.

AD4OI3MZTL

Magnification: Continuous
20x - 90x

1.3 Megapixel, 1280 x 1024

Polarizer
Anti-Reflection

Long working distance 4 - 15 cm

The AD series have a detachable cap and is delivered with both a closed and an open exchangeable cap. This MZTL model has a long working distance, polarisation filter and a third (exchangeable) polarisation cap. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry.

AM70I3MZT

Magnification: Adjustable
10 - 70x & 200x

5 Megapixel, 2592 x 1944

Polarizer
Anti-Reflection

The Dino-Lite AM7013MZT has a 5 megapixel sensor for crystal clear images, even under higher magnification. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry. The built-in adjustable polarizer reduces glare and reflection on shiny objects. Because of the very high resolution, the AM7013MZT is the ideal solution for displaying microscopic images on large screens or using the microscopic images for printing.

AD70I3MTL

Magnification: Continuous
20x - 90x

5 Megapixel, 2592 x 1944

Exchangeable cap

Long working distance 4 - 15 cm

The Dino-Lite AD7013MTL has a 5 megapixel sensor for crystal clear images, even under higher magnification. Because of the very high resolution, the AD7013MTL is the ideal solution for displaying microscopic images on large screens or using the microscopic images for printing. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry. The AD series are equipped with exchangeable caps for even more flexibility. The long working distance of up to 15 cm enables the possibility to work under

AM40I6MZT

Magnification: Adjustable
10 - 70x & 200x

Resolution 800 x 600

Polarizer
Anti-Reflection

Long working distance 4 - 15 cm

The Dino-Lite AM4016MZT connects directly to a VGA screen via a VGA (D-SUB) connector. It offers a high frame rate of up to 60fps at 800x600 resolution and has enhanced low light visibility so you can see clearly in any situation. The built-in adjustable polarizer reduces glare and reflection on shiny objects. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry. The AM4016MZT is the ideal choice in situations, where real time images are vital. The LEDs can be switched on and off by using the MicroTouch sensor on the microscope.

AM40I6MZTL

Magnification: Continuous
10x - 90x

Resolution 800 x 600

Polarizer
Anti-Reflection

Long working distance 4 - 15 cm

The Dino-Lite AM4016MZTL connects directly to a VGA screen via a VGA (D-SUB) connector. It offers a high frame rate of up to 60fps at 800x600 resolution and has enhanced low light visibility so you can see clearly in any situation. The robust aluminum housing of this ESD safe microscope models generates no significant static making it a safe and essential tool for anyone in the electronics industry. The built-in adjustable polarizer reduces glare and reflection on shiny objects. Together with the long working distance of up to 15 centimetres the AM4016MZTL is the ideal choice in situations, where real time images are vital, such as working on PCB's or other miniature objects.The LEDs can be switched on and off by using the MicroTouch sensor on the microscope.

MS35BE STAND

Square metal base with ESD-safe coating with column and support providing several adaptable heights. The MS35BE comes with an ESD (electrostatic discharge) safe base plate instead of the standard MS35B base plate

MS36BE STAND

Square metal base with ESD-safe coating with column and support providing several adaptable heights. The MS36BE comes with an ESD (electrostatic discharge) safe base plate instead of the standard MS36B base plate. The MS36BE has a horizontal beam to enable additional flexibility in the horizontal plane.

FC-L-MAI MIRROR ANGLE

The mirror angle adapter fits onto the models with long working distance: AD4013MZTL and AD7013MTL. It generates no significant static making it a safe and essential tool for anyone in the electronics industry

SW-FI

Foot pedal accessory allowing you to take a picture with your foot
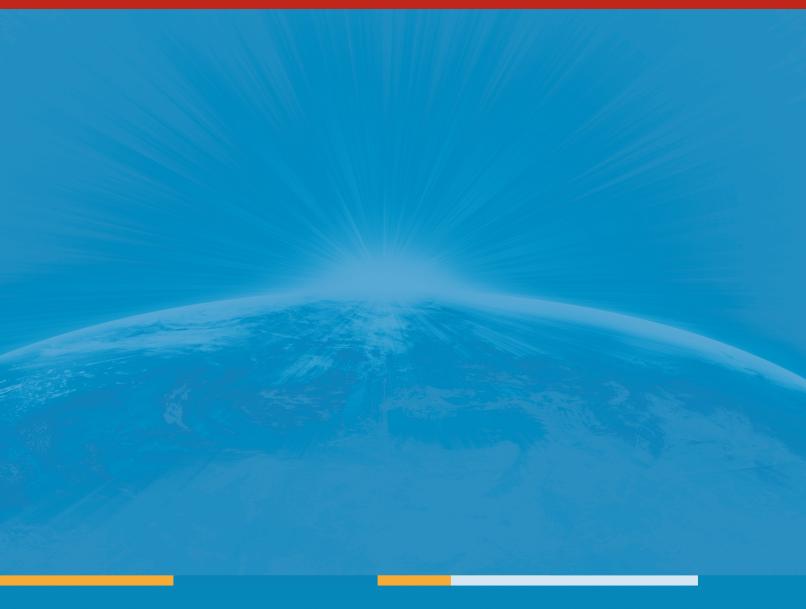
MS25X

Robust Inspection turntable

Model	Resolution	Magnification	Long working distance	Measurement	Calibrant	LED	LED on/off	UV	Infrared	Polarizer	Metal Housing
AM4013MZT	1,3MP	10-70x, 200x	-	■	■	8	■	-	-	■	■
AD4013MZTL	1,3MP	20-90x	■	■	■	8	■	-	-	■	■
AM7013MZT	5MP	10-70x, 200x	-	■	■	8	■	-	-	■	■
AD7013MTL	5MP	20-90x	■	■	■	8	■	-	-	-	■
AM4016MZT	800x600 px	10-70x, 200x	-	■	■	8	■	-	-	■	■
AM4016MZTL	800x600 px	10-90x	-	■	■	8	■	-	-	■	■

MS35BE	Metal vertical desktop stand
MS36BE	Metal vertical deskotp stand with horizontal beam
FC-L-MA1	Fits onto the models AD4013MZTL an AD7013MTL
SW-F1	Foot pedal accessory allowing you t o take a picture with our foot
MS25X	Robust Instpection turntable

EDSYN SOLDERING TECHNOLIGIES
THERMALTRONICS SOLDERING TECHNOLOGIES

EDSYN
...bringing innovative ideas to life

PAST, PRESENT & FUTURE

Bringing innovative ideas to life - it's a long-standing tradition at Edsyn and one of the reasons we have such a long and rich history.
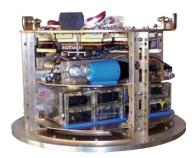
Some say you make a living by what you receive, but here at Edsyn we believe you only make a good living by what you give. It's not a common philosophy in today's world, yet we feel it is intrinsic to Edsyn's success over the past 49 years and is the key to our continuing success for the future. The meaning of Edsyn – Engineering Dedicated to Suit Your Needs—reflects a unique philosophy and was originally created by Edsyn's founders, Bill and Shirley Fortune.

Bill and Shirley have always cared about people. When Bill started out as a technician in a Los Angeles-based company in the early 1960s, his job involved removing solder in various applications. Unfortunately, he found the techniques of the time outdated, difficult, and timeconsuming, so he decided to work nights in his garage to make the job easier for himself and for his fellow technicians. Bill soon developed the perfect solution to his dilemma. His wife, Shirley, quickly named this little invention the Soldapullt® and the rest, as they say, is "history." This ground-breaking technology launched an industry revolution and the birth of Edsyn. Over the next four decades Bill continued creating his inventions, which Shirley always named and marketed under the Edsyn brand. Their four daughters – Lori, Jeani, Sheri, and Juli – also shared in producing hundreds of Bill's inventions for a variety of industries worldwide.

Bill has always felt a keen interest in, and admiration for, German engineering and wished to introduce his brand of engineering to Europe. In the 1980s he expanded the Edsyn family to include a German office, Edsyn GmbH Europa. Successfully managed for nearly 30 years by Mr. Franz

Furtner, Edsyn GmbH Europa has earned a distinguished place in the European market. Now headed by Mr. Furtner's daughter, Christiane Furtner, Edsyn GmbH Europa continues to spearhead Edsyn's engineering efforts in Germany.

Because of the success of the German office, Bill and Shirley took an interest in the British market. In 1995, the Fortunes opened up an office in England headed by their daughter, Juli, and Ms. Angela Greenidge.

Edsyn UK Ltd. is now recognized in England, Ireland, Scotland, and Wales as a company that offers the finest quality products and services for the electronics industry. Currently, we are still busy manufacturing Edsyn products in our California-based factory. Bill now works with a team of engineers in Edsyn's Research & Development Lab also located there. It makes us all proud that Edsyn is still producing in California and providing jobs to our family of employees. In fact, we are one the last remaining manufacturers of soldering and desoldering equipment in the United States. We operate out of two factory buildings employing approximately 25 workers along with two subsidiaries located in England and Germany. Each tool is carefully and meticulously handcrafted at our factory and we feel it's a privilege to take care of and respond to our customer's needs in every way possible. Some of our key innovations include not just a few industry firsts as you can see listed below.

We celebrate the fact that Edsyn has been in operation for almost 50 years and remains a family-owned and managed business. Edsyn's quest for well-engineered and innovative products continues, and although Bill is now entering his 80s, he is still passionate about inventing and expanding our family of products worldwide. When asked what he likes most about Edsyn, a warm, proud smile spread across Bill's face: "it's always nice to hear from a customer who has had your product for over 40 years."

SOLDERING STATIONS

2020 LONER® DIGITAL SOLDERING STATION

⇒ Our most advanced soldering system featuring a compact design with digital display
⇒ Temperature set back & temperature lock-out
⇒ °F/ °C display options
⇒ Modular sponge tray
⇒ Universal switching power supply
⇒ Passcode lockout
⇒ Push button external calibration
⇒ Internationally approved power supply
⇒ RoHS compliant
⇒ ESD safe
⇒ 18 month warranty

Contents

2020	High performance digital soldering station includes LST13-2 soldering iron and XP375 tip
PD528	Tool pod
SH235	Modular sponge tray with RS200 round cleaning ponge
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Specifications

Power Requirements	100V-240V, 50-60 Hz
Power Rating	60 W
Heater Rating	24 V, 53 W
Weight	1,36 kg
Overall Dimensions	178 mm x 140 mm x 102 mm
Temperature Range	450°F-850°F (232°C-454°C)
Temperature Regulation	±6ºF (±3ºC)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code

2020

951DX-230 LONER® SOLDERING STATION

⇒ An industry standard, highly dependable and cost efficient
⇒ Accurate linear temperature control dial
⇒ Easy to maintain and calibrate with external calibration feature
⇒ Modular assembly for easy service and maintenance
⇒ Wide variety of soldering and SMT CROWN® tips available
⇒ International and high temperature models available calibrated to 1000°F or 1200°F (please call for details)
⇒ ESD safe
⇒ 18 month warranty

Contents

951DX	Temperature controlled soldering station includes LT375 tip
PD528	Tool pod
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Specifications

Power Requirements	230 V, 50-60 Hz
Power Rating	18 W - 160 W
Heater Rating	24 V, 53 W
Weight	1,8 kg
Overall Dimensions	104 mm x 208 mm x 254 mm
Temperature Range	400°F-800°F (205ºC-427ºC)
Temperature Regulation	±6ºF (±3ºC)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code

951DX-230

EDSYN
...bringing innovative ideas to life

EDSYN SOLDERING STATIONS

952DX-230 LONER® Dual Soldering Station

⇒ Dual soldering station offers both versatility and cost efficiency
⇒ Temperature controlled standard soldering and heavy duty soldering available in one unit
⇒ Easy to maintain and calibrate with external calibration feature
⇒ Modular assembly for easy service and maintenance
⇒ Wide variety of soldering and SMT CROWN® tips available
⇒ International and high temperature models available calibrated to 1000°F or 1200°F (please call for details)
⇒ ESD safe
⇒ 18 month warranty

Contents

952DX	Dual temperature controlled soldering station includes LT375 and LT338BC tips
PD528	Includes two tool pods
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Specifications

Power Requirements	230 V, 50-60 Hz
Power Rating	36 W - 320 W
Heater Rating	24 V, 53 W
Weight	2,7 kg
Overall Dimensions	104 mm x 208 mm x 254 mm
Temperature Range	400°F - 800°F (205°C-427°C)
Temperature Regulation	±6ºF (±3ºC)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code

952DX-230

971DX-230 LONER® Dual Soldering Station

⇒ An advanced soldering station with precise temperature control that delivers rapid heat-up and recovery times
⇒ New direct tip-to-heater design provides quicker recovery and better sensing as well as more accurate and stable temperatures at the tip
⇒ Innovative handle design makes tip change quicker and easier
⇒ Easy to maintain and calibrate with external calibration feature
⇒ Accepts a wide variety of tips
⇒ International models available
⇒ ESD safe
⇒ 18 month warranty

Contents

971DX	High performance temperature controlled soldering station includes LT375 tip
PD528	Tool pod
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Specifications

Power Requirements	230 V, 50-60 Hz
Power Rating	36 W - 320 W
Heater Rating	24 V, 53 W
Weight	2,7 kg
Overall Dimensions	104 mm x 208 mm x 254 mm
Temperature Range	400°F - 800°F (205°C-427°C)
Temperature Regulation	±6ºF (±3ºC)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms
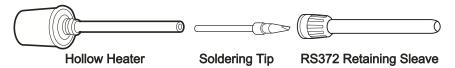
Order Code

971DX-230

LONER® General Purpose Tip Set-ups

Hollow Heater Soldering Tools and Stations

Part No.	Description
951DX-230	Deluxe Soldering Station
952DX-230	Dual Deluxe Soldering Station
CL1280	Temperature Controlled Soldering Tool

Hollow Heater   Soldering Tip   RS372 Retaining Sleeve

Front Loading Hollow Heater Soldering Tools and Stations

Part No.	Description
971DX-230	Deluxe High Performance Soldering Station
2020	Microprocessor Controlled Digital Soldering Station

Front Loading Hollow Heater   LTC71 Collet   RCS71 Retaining Sleeve   Soldering Tip

NOTE: Loosen collar when changing tips.
DO NOT remove sleeve.

LONER® General Purpose Tips

General Purpose Spade Tips

Part No.	Tip Image	Width A	Length B
LT375		.06" (1.5mm)	.48" (12.2mm)
LT376		.12" (3.0mm)	.48" (12.2mm)
LT394		.07" (1.8mm)	.93" (23.6mm)
LT395		.069" (2.3mm)	.74" (18.8mm)
LT431		.07" (1.8mm)	.74" (18.8mm)
LT444		.04" (1.0mm)	.78" (19.8mm)

General Purpose Conical Tips

Part No.	Tip Image	Width A	Length B
LT374		.03" (0.8mm)	.48" (12.2mm)
LT382		.02" (1.5mm)	.62" (15.8mm)
LT429		.02" (0.5mm)	.74" (18.8mm)

General Purpose Angled Conical Tips

Part No.	Tip Image	Width A	Length B
LT429-1		.02" (0.5mm)	.74" (18.8mm)

EDSYN

...bringing innovative ideas to life
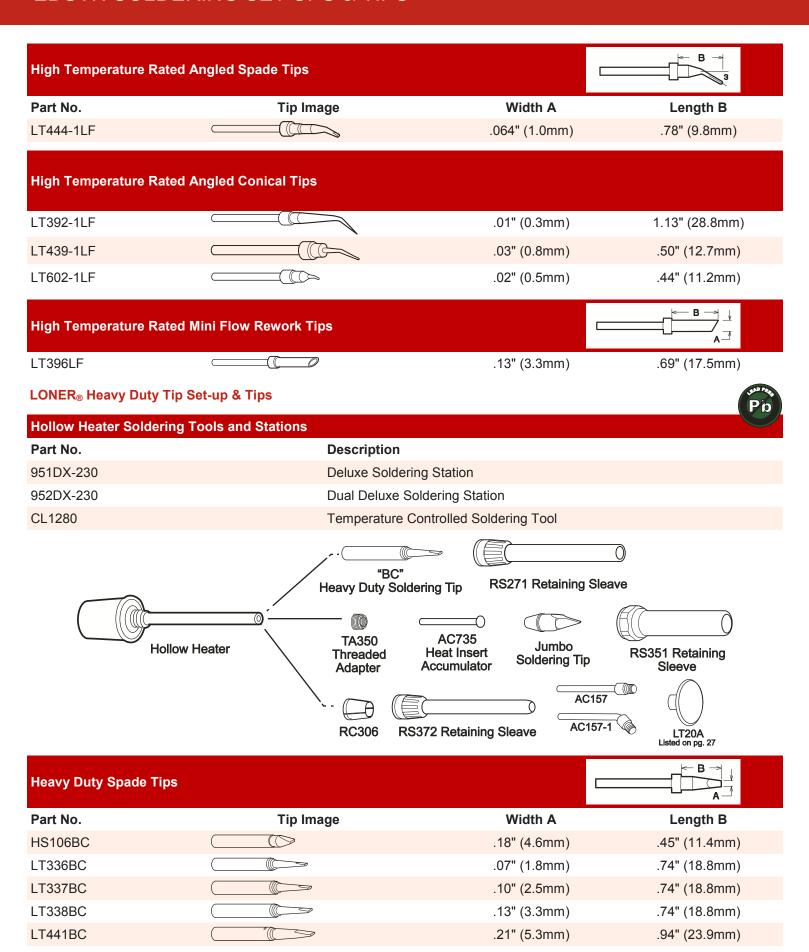
LONER® High Temperature Tips

High Temperature Rated Spade Tips

Part No.	Tip Image	Width A	Length B
LT371LF		.03" (0.8mm)	.55" (14.0mm)
LT375LF		.06" (1.5mm)	.48" (12.2mm)
LT376LF		.12" (3.0mm)	.48" (12.2mm)
LT394LF		.07" (1.8mm)	.93" (23.6mm)
LT395LF		.09" (2.3mm)	.74" (18.8mm)
LT424LF		.06" (1.5mm)	.74" (18.8mm)
LT425LF		.05" (1.3mm)	.93" (23.6mm)
LT431LF		.07" (1.8mm)	.74" (18.8mm)
LT444LF		.04" (1.0mm)	.78" (9.8mm)

High Temperature Rated Conical Tips

Part No.	Tip Image	Width A	Length B
LT374LF		.03" (0.8mm)	.48" (12.2mm)
LT380LF		.02" (0.5mm)	.32" (8.1mm)
LT382LF		.02" (0.5mm)	.62" (15.8mm)
LT383LF		.02" (0.5mm)	.72" (18.3mm)
LT392LF		.01" (0.3mm)	1.13" (28.8mm)
LT429LF		.02" (0.5mm)	.74" (18.9mm)
LT439LF		.03" (0.8mm)	.50" (12.7mm)
LT446LF		.03" (0.8mm)	.48" (12.2mm)
LT603LF		.02" (0.5mm)	.69" (17.5mm)

High Temperature Rated Angle Face Tips

Part No.	Tip Image	Width A	Length B
LT298LF		.12" (3.1mm)	.59" (15.0mm)
LT299LF		.16" (4.0mm)	.59" (15.0mm)
LT373LF		.09" (2.3mm)	.59" (15.0mm)
LT387LF		.06" (1.5mm)	.48" (12.2mm)
LT393LF		.06" (1.5mm)	.94" (23.9mm)
LT398LF		.12" (3.0mm)	.59" (15.0mm)
LT399LF		.16" (4.0mm)	.59" (15.0mm)
LT430LF		.06" (1.5mm)	.74" (18.8mm)
LT433LF		.04" (1.2mm)	.69" (17.5mm)
LT443LF		.09" (5.6mm)	.69" (17.5mm)

EDSYN

...bringing innovative ideas to life

High Temperature Rated Angled Spade Tips

Part No.	Tip Image	Width A	Length B
LT444-1LF		.064" (1.0mm)	.78" (9.8mm)

High Temperature Rated Angled Conical Tips

Part No.	Tip Image	Width A	Length B
LT392-1LF		.01" (0.3mm)	1.13" (28.8mm)
LT439-1LF		.03" (0.8mm)	.50" (12.7mm)
LT602-1LF		.02" (0.5mm)	.44" (11.2mm)

High Temperature Rated Mini Flow Rework Tips

Part No.	Tip Image	Width A	Length B
LT396LF		.13" (3.3mm)	.69" (17.5mm)

LONER® Heavy Duty Tip Set-up & Tips

Hollow Heater Soldering Tools and Stations

Part No.	Description
951DX-230	Deluxe Soldering Station
952DX-230	Dual Deluxe Soldering Station
CL1280	Temperature Controlled Soldering Tool

"BC" Heavy Duty Soldering Tip

RS271 Retaining Sleeve

Hollow Heater

TA350 Threaded Adapter

AC735 Heat Insert Accumulator

Jumbo Soldering Tip

RS351 Retaining Sleeve

RC306

RS372 Retaining Sleeve

AC157

AC157-1

LT20A
Listed on pg. 27

Heavy Duty Spade Tips

Part No.	Tip Image	Width A	Length B
HS106BC		.18" (4.6mm)	.45" (11.4mm)
LT336BC		.07" (1.8mm)	.74" (18.8mm)
LT337BC		.10" (2.5mm)	.74" (18.8mm)
LT338BC		.13" (3.3mm)	.74" (18.8mm)
LT441BC		.21" (5.3mm)	.94" (23.9mm)

Heavy Duty Angle Face Tips

Part No.	Tip Image	Width A	Length B
LT339BC		.09" (2.3mm)	.77" (19.6mm)
LT340BC		.12" (3.0mm)	.77" (19.6mm)
LT341BC		.16" (4.0mm)	.77" (19.6mm)

Heavy Duty SMD Knife Tip

Part No.	Tip Image	Width A	Length B
LT570BC		.17" (4.3mm)	.68" (17.3mm)

Heavy Duty Jumbo Spade & Angle Tips

Part No.	Tip Image	Width A	Length B
LT151B		.06" (1.5mm)	1.13" (28.7mm)
LT152B		.32" (8.1mm)	.89" (22.6mm)
LT155B		.33" (8.4mm)	.97" (24.6mm)

LONER® Extra Performance Tip Set-up & Tips

Front Loading Hollow Heater Soldering Tools and Stations

Part No.	Description
971DX-230	Deluxe High Performance Soldering Station
2020	Microprocessor Controlled Digital Soldering Station

Extra Performance Tip

RCS71 Retaining Sleeve
NOTE: Loosen collar when changing tips. DO NOT remove sleeve.

Front Loading Hollow Heater

LTC71 Collet

RCS71 Retaining Sleeve
NOTE: Loosen collar when changing tips. DO NOT remove sleeve.

AC157

AC157-1

LT20A

Heavy Duty Non-Plated Copper Leather Smoothing Tip

Part No.	Tip Image	Diameter	Length
LT20A		.79" (20mm)	N/A

Extra Performance Spade Tips

Part No.	Tip Image	Width A	Length B
XP371		.03" (.80mm)	.61" (15.5mm)
XP375		.06" (1.5mm)	.61" (15.5mm)
XP376		.12" (3.0mm)	.61" (21.2mm)
XP395		.09" (2.3mm)	.84" (21.2mm)
XP441		.20" (5.0mm)	.59" (15.0mm)
XP444		.04" (1.0mm)	.87" (22.0mm)

Extra Performance Conical Tips

Part No.	Tip Image	Width A	Length B
XP374		.04" (.9mm)	.61" (15.5mm)
XP429		.02" (.6mm)	.83" (21.0mm)

Extra Performance Angle Face Tip
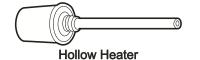
XP399		.20 (5.0mm)	.45 (11.5mm)

CROWN® Tip Set-ups

Hollow Heater Soldering Tools and Stations

Part No.	Description
951DX-230	Deluxe Soldering Station
952DX-230	Dual Deluxe Soldering Station
CL1280	Temperature Controlled Soldering Tool

Hollow Heater CTA02 Tip Adapter CTS71 Retaining Sleeve AC735 Heat Insert Accumulator CROWN Tip
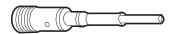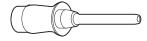
Hollow Threaded Heater Soldering Tools and Stations

Part No.	Description
971DX-230	LONER Deluxe High Performance Soldering Station
2020	LONER Microprocessor Controlled Digital Soldering Station

Front Loading Hollow Heater LTC71 AdapterRCS71 Retaining Sleeve CTA03 Heat Insert Accumulator CROWN Tip

NOTE: Loosen collar when changing tips. DO NOT remove sleeve.

CROWN® Tips

CROWN® Series Contact Surface Mount Tips

Part No.	Package	Tip Image	Width A	Length B
CT12	SOT-23		.07" (1.8mm)	.10" (2.5mm)
CT21	805		.09" (2.3mm)	.06" (1.5mm)
CT25	SOT-89		.10" (2.5mm)	.21" (5.3mm)
CT31	1206, 1210		.14" (3.5mm)	.07" (1.8mm)
CT42	1808, 1812		.19" (4.8mm)	.09" (2.3mm)
CT52	N/A		.20" (5.1mm)	.10" (2.5mm)
CT53	N/A		.23" (5.8mm)	.14" (3.5mm)

CROWN® Tunnel SMD Tips

Part No.	Package	Tip Image	Width A	Length B
CT110	SOIC-18		.38" (9.5mm)	.40" (10.2mm)
CT113	SOIC-20		.38" (9.5mm)	.52" (13.2mm)
CT116	SOIC-24		.38" (9.5mm)	.62" (15.7mm)
CT118	SOIC-28		.38" (9.5mm)	.72" (18.2mm)
CT227	N/A		.44" (11.1mm)	1.13" (28.7mm)
CT504	SOIC-8		.20" (5.1mm)	.18" (4.5mm)
CT509	N/A		.20" (5.1mm)	.34" (8.6mm)
CT510	SOIC-14,16		.20" (5.1mm)	.41" (10.4mm)
CT711	SOMC-16		.27" (6.9mm)	.45" (11.4mm)
CT919	SOJ-28		.34"(8.6mm)	.74" (18.8mm)

CROWN® Quad SMD Tips

Part No.	Package	Tip Image	Width A	Length B
CT0808	N/A		.31" (7.9mm)	.31" (7.9mm)
CT0814	PLCC-18		.34" (8.6mm)	.54" (13.6mm)
CT1010	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
CT1313	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
CT1315	PLCC-32		.50" (12.7mm)	.60" (15.2mm)
CT1515	TQFP-100		.60" (15.2mm)	.60" (15.2mm)
CT1616	44-QFP		.64" (16.3mm)	.64" (16.3mm)
CT1723	64/80-QFP		.68" (17.3mm)	.92" (23.2mm)
CT1818	PLCC-44		.70" (17.8mm)	.70" (17.8mm)
CT2020	PLCC-52		.81" (20.6mm)	.81" (20.6mm)
CT2626	PLCC-68		1.00" (25.4mm)	1.00" (25.4mm)
CT3131	PLCC-84		1.20" (30.5mm)	1.20" (30.5mm)
CT3434	N/A		1.30" (33.5mm)	1.30" (33.5mm)

EDSYN

...bringing innovative ideas to life

EDSYN DESOLDERING STATIONS

SOLDAPULLT® HOT TIP DESOLDERING STATION

ZD500DX-230

⇒ A self-contained and high performance vacuum desoldering station ideal for heavy duty applications that require maximum heat transfer
⇒ Powerful 70W high output PTC heating element makes heavy multi-layer boards easy to desolder
⇒ Adjustable and ergonomic hand tool design offers four comfortable working angles
⇒ Easy to maintain and calibrate with external calibration feature
⇒ 18 month warranty & ESD safe

Contents

ZD500DX	Self-Contained deluxe hot tip desoldering station includes HT500-2 hand tool with ZD13 tip
SH232	Sponge holder with RS199 cleaning sponge

Accessory Kit

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT619	Tip wrench, for retaining sleeve
WP556	WIGAPRY® mini screwdriver and calibration aid tool
CS468	Tip cleaning shaft for desoldering tips
CS468-1	Tip cleaning shaft for small desoldering tips
AN112	Anti-Seize compound
OL111	O-Ring lube
MS229	1 pc. mica sheet for HT500-2
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF040	1 pc. foam filter for AF110

Specifications

Power Requirements	230V, 50Hz
Power Rating	95W - 200W
Heater Rating	24V, 70W
Weight	2.7 kg
Overall Dimensions	127 mm x 216 mm x 229 mm
Temperature Range	400°F-800°F (205°C - 427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code

ZD500DX

ZD505VDX-230

⇒ Outstanding performance and cost-efficient station ideal for heavy duty applications that require maximum heat transfer (requires shop air 60-90 psi)
⇒ Powerful 70W high output PTC element makes heavy multi-layer boards easy to desolder
⇒ Adjustable and ergonomic hand tool design provides comfortable working angles
⇒ Easy to maintain and calibrate with external calibration feature
⇒ 18 month warranty & ESD safe

Contents

ZD505VDX	Self-Contained deluxe hot tip desoldering station includes HT500-2 hand tool with ZD13 tip
SH230	Sponge holder includes RS199 cleaning sponge

Accessory Kit   ZD505VDX-230

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT619	Tip wrench, for retaining sleeve
WP556	WIGAPRY® mini screwdriver and calibration aid tool
CS468	Tip cleaning shaft for desoldering tips
CS468-1	Tip cleaning shaft for small desoldering tips
AN112	Anti-Seize compound
OL111	O-Ring lube
MS229	1 pc. mica sheet for HT500
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF040	1 pc. foam filter for AF110

Specifications

Power Requirements	230V, 50Hz
Power Rating	20W - 150W
Heater Rating	24V, 70W
Weight	1.8 kg
Overall Dimensions	127 mm x 241 mm x 229 mm
Temperature Range	400°F-800°F (205°C - 427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code
~~ZD505VDX~~

SOLDAPULLT® PORTABLE DESOLDERING TOOLS

DS017

"The Original" Deluxe SOLDAPULLT®
⇒ Designed for heavy duty, high volume applications
⇒ Easy one-hand loading and operation
⇒ Integral cleaning shaft self-cleans no-stick PTFE tip

Order Code	Length	Weight
DS017	330mm	99g

DS017LS

Static Safe Deluxe SOLDAPULLT®
⇒ Same as DS017 but molded from conductive plastic

Order Code	Length	Weight
DS017LS	330mm	99g

PT109

SOLDAPULLT®III
⇒ Smooth acting, light weight spring loaded tool
⇒ Similar to the DS017 but with petite barrel for smaller hands
⇒ Locking retractable shaft guide for portability and compact storage
⇒ Integral cleaning shaft self-cleans no-stick PTFE tip

Order Code	Length	Weight
PT109	304mm	71g

PT409

Static Safe SOLDAPULLT®III
⇒ Same as PT109 but molded from conductive plastic

Order Code	Length	Weight
PT409	304mm	71g

PT209

Micro Tip SOLDAPULLT®III
⇒ Micro tip version of PT109 for heavily populated circuit boards and precision work
⇒ Light weight petite barrel for smaller hands
⇒ Locking retractable shaft guide for portability and compact storage
⇒ Integral cleaning shaft self-cleans no-stick micro PTFE tip

Order Code	Length	Weight
PT209	304mm	71g

SS011

Static Safe SOLDAPULLT® Successor
⇒ Static protection for sensitive devices
⇒ Precision engineered metal barrel & static safe PTFE tip
⇒ Simple single handed loading system

Order Code	Length	Weight
SS011	203mm	49g

SS102

Micro Tip Static Safe SOLDAPULLT® Successor
⇒ Micro tip version of SS011 for heavily populated boards and precision work
⇒ Palm grip or finger touch trigger for easier handling
⇒ Precision engineered metal barrel & static safe PTFE tip
⇒ Simple single handed loading system

Order Code	Length	Weight
SS102	203mm	54g

SS350

Static Safe Challenger SOLDAPULLT®
⇒ Outstanding quality for the professional or hobbyist
⇒ Precision engineered metal barrel & static safe PTFE tip
⇒ Simple single-handed loading system
⇒ Adjustable loading stroke to reduce hand strain

Order Code	Length	Weight
SS350	229mm	40g

SS750LS

Economical Static-Safe Challenger SOLDAPULLT®
⇒ Compact static safe barrel
⇒ Quick change tiplet for no hassle maintenance
⇒ Simple single-handed loading system

Order Code	Length	Weight
SS750LS	216mm	34g

US140

Universal SOLDAPULLT®
⇒ Compact single-handed loading system
⇒ Adjustable loading stroke to fit individual needs
⇒ Loading and trigger release done with thumb

Order Code	Length	Weight
US140	216mm	43g

US340

Static Safe Universal SOLDAPULLT®
⇒ Same as US140 but molded from conductive material
⇒ Compact single-handed loading system
⇒ Adjustable loading stroke to fit individual needs
⇒ Loading and trigger release done with thumb

Order Code	Length	Weight
US340	216mm	43g

SOLDAPULLT® PORTABLE DESOLDERING TOOLS

⇒ All models feature a self-cleaning automatic vacuum desoldering system that runs on continuous suction when trigger is pressed (requires external vacuum source - see VP171 or VS171A on next page for options)
⇒ Convenient Auto- Vac® trigger on hand piece for quick action precise vacuum control
⇒ Ideal for heavy duty work, large wiring, terminals, IC's and connectors
⇒ Handle pulls off easily for easy cleaning and maintenance
⇒ DS317 is a heavy duty unit especially designed with static-safe conductive plating for static sensitive components

DS317

DS317 is a heavy duty unit especially designed with static-safe conductive plating for static sensitive components

Contents   DS317

PH246	Power Head with LS197 Standard Tip
PH184	Power Head Holder
OA195	O-Ring Set of 3 (for PH177 & PH246)

Order Code
DS317

DS517

DS517 is precision engineered metal barrel with static safe PTFE tip and has a slim aluminum anodized barrel for smaller hands

Contents

PH358	Power Head with LS561 Micro Tip
PH247	Power Head Holder
OA197	O-Ring Set of 3

Order Code
DS517

SOLDAPULLT® PORTABLE DESOLDERING TOOLS

⇒ All models feature a self-cleaning automatic vacuum desoldering system that runs on continuous suction when trigger is pressed (requires external vacuum source - see VP171 or VS171A on next page for options)
⇒ Convenient Auto- Vac® trigger on hand piece for quick action precise vacuum control
⇒ Ideal for heavy duty work, large wiring, terminals, IC's and connectors
⇒ Handle pulls off easily for easy cleaning and maintenance
⇒ DS317 is a heavy duty unit especially designed with static-safe conductive plating for static sensitive components

VP171

VP171 has a large vacuum tank to support six separate desoldering applications

Order Code	Dimension	Weight
VP171	10" x 6.2" x 7.6"	1.3 kg

EDSYN DESOLDERING SET-UPS & TIPS

SOLDAPULLT® Desoldering Hot Tips and Set up
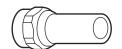
Heater Desoldering Tools and Stations

Part No.	Description
ZD500DX-230	Deluxe Soldering Station
ZD505VDX-230	Dual Deluxe Soldering Station

General Purpose Tip

HT500 Heater **Funnel Tip** **RS383 Retaining Sleeve**

Iron-Plated General Purpose Tips

Part No.	Tip Image	Width A	Length B
ZD12		.03" (0.8mm)	.50" (12.7mm)
ZD13		.04" (1.0mm)	.50" (12.7mm)
ZD14		.06" (1.5mm)	.50" (12.7mm)
ZD18		.07" (1.8mm)	.50" (12.7mm)
ZD19		.12" (3.0mm)	.50" (12.7mm)

Iron-Plated Funnel Tips

Part No.	Tip Image	Width A	Length B
ZD107		.02" (10.5mm)	.48" (12.2mm)
ZD111		.03" (0.8mm)	1.22" (31.0mm)
ZD112		.03" (0.8mm)	.48" (12.2mm)
ZD113		.04" (1.0mm)	.48" (12.2mm)
ZD115		.07" (1.8mm)	1.22" (31.0mm)
ZD118		.07" (1.8mm)	.48" (12.2mm)

EDSYN

...bringing innovative ideas to life

Ezt cserélni desolderingre
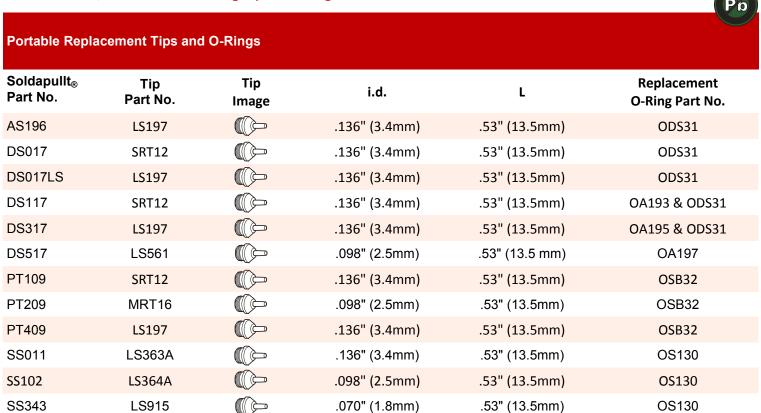
SOLDAPULLT® Portable Desoldering Tips & O-Rings

Portable Replacement Tips and O-Rings

Soldapullt® Part No.	Tip Part No.	Tip Image	i.d.	L	Replacement O-Ring Part No.
AS196	LS197		.136" (3.4mm)	.53" (13.5mm)	ODS31
DS017	SRT12		.136" (3.4mm)	.53" (13.5mm)	ODS31
DS017LS	LS197		.136" (3.4mm)	.53" (13.5mm)	ODS31
DS117	SRT12		.136" (3.4mm)	.53" (13.5mm)	OA193 & ODS31
DS317	LS197		.136" (3.4mm)	.53" (13.5mm)	OA195 & ODS31
DS517	LS561		.098" (2.5mm)	.53" (13.5 mm)	OA197
PT109	SRT12		.136" (3.4mm)	.53" (13.5mm)	OSB32
PT209	MRT16		.098" (2.5mm)	.53" (13.5mm)	OSB32
PT409	LS197		.136" (3.4mm)	.53" (13.5mm)	OSB32
SS011	LS363A		.136" (3.4mm)	.53" (13.5mm)	OS130
SS102	LS364A		.098" (2.5mm)	.53" (13.5mm)	OS130
SS343	LS915		.070" (1.8mm)	.53" (13.5mm)	OS130
SS350	LS363		.136" (3.4mm)	.53" (13.5mm)	OS130
SS750LS	LS751		.107" (2.7mm)	.50" (12.7mm)	OS130
US140	SRT12		.136" (3.4mm)	.53" (13.5mm)	ODS31
US340	LS197		.136" (3.4mm)	.53" (13.5mm)	ODS31

LONER® ATMOSCOPE® SMT Station

971DH-230

⇒ Versatile and outstanding performance using hot air or contact rework techniques from one handle (requires shop air or nitrogen, 20-80 psi)
⇒ Adjustable airflow and automatic shut-off valve when hand piece is placed in holder
⇒ Easy to maintain and calibrate with external calibration feature
⇒ Uses a wide variety of nozzle sizes
⇒ ESD Safe
⇒ 18 month warranty

Contents

971HA	SMT hot air station includes LT428 tip
PD533	Tool pod
PR570	Flow regulator and meter
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner

Accessory Kit

WT620	Tip wrench, 1/4" socket
WT624	Tip wrench, dual open end, 1/4" & 5/16"
ST706	SMD tool to lift off SMD's
RB641	Shim blade replacement
WS630	SMD pull wire with low static spool
AN112	Anti-Seize compound
WP556	WIGAPRY® mini screwdriver and calibration aid tool

...bringing innovative ideas to life

Specifications

Power Requirements	230V, 50Hz
Power Rating	18W - 160W
Heater Rating	24V, 53W
Weight	2.5 kg
Overall Dimensions	104 mm x 246 mm x 254 mm
Temperature Range	400°F-800°F (205°C - 427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code

971DH-230

1036DX/B-230

⇒ A deluxe self-contained hot air station with versatility to adjust to either hot air or contact soldering from the same handle
⇒ Use to rework Gullwings, J-Leads, PLCC's and small outline components
⇒ Small hand tool is light and easy to use
⇒ Uses a wide variety of nozzle sizes and general purpose soldering tips
⇒ Small vacuum pick up tool included
⇒ ESD safe
⇒ 18 month warranty

Contents

1036DX	Self-Contained Deluxe SMT hot air station with LU26 hot air tip and LT375 soldering tip
PD533	Tool pod for hot air tool
LP250	Pick-Up tool for SMD components
PD532	Tool holder for pick-up tool
SH230	Sponge holder includes RS199 cleaning sponge, RS243 leveling pad, LN230 sponge liner

EDSYN SMT STATIONS

Accessory Kit	**1036DX/B-230**
WT620	Tip wrench, 1/4" socket
WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT624	Tip wrench, dual open end, 1/4" & 5/16"
ST800	SMD helper (includes RB642 shim blade and WS630 pull wire)
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Specifications

Power Requirements	230V, 50Hz
Power Rating	18W - 160W
Heater Rating	24V, 53W
Weight	1.9 kg
Overall Dimensions	104 mm x 216 mm x 254 mm
Temperature Range	400°F-800°F (205°C - 427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code

1036DX/B-230

EDSYN SMT SET-UPS & TIPS
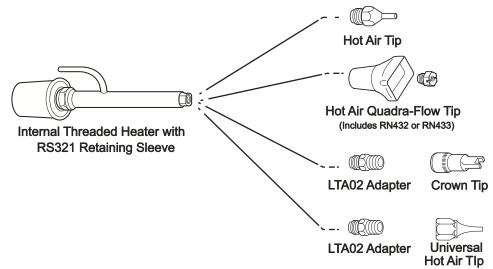
SMT Hot Air Tool Tip Set ups

Internal Threaded Heater Hot Air Tools and Stations
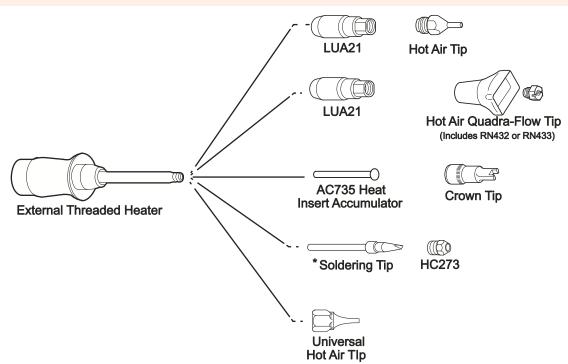
Part No.	Description
971DH-230	SMT Hot Air Station

Internal Threaded Heater with RS321 Retaining Sleeve

Hot Air Tip

Hot Air Quadra-Flow Tip
(Includes RN432 or RN433)

LTA02 Adapter   Crown Tip

LTA02 Adapter   Universal Hot Air TIp

Internal Threaded Heater Hot Air Tools and Stations

Part No.	Description
1036DX/B-230	Self-Contained SMT Deluxe Hot Air Station

External Threaded Heater

LUA21   Hot Air Tip

LUA21   Hot Air Quadra-Flow Tip
(Includes RN432 or RN433)

AC735 Heat Insert Accumulator   Crown Tip

*Soldering Tip   HC273

Universal Hot Air TIp

EDSYN
...bringing innovative ideas to life

19

EDSYN SOLDERING SET-UPS & TIPS

SMT Hot Air Tips

Single Nozzle Tips

Part No.	Tip Image	Hole Dia. A	Length B
LT427		.02" (0.5mm)	.38" (95mm)
LT428		.06" (1.5mm)	.25" (6.4mm)
LT432		.04" (1.0mm)	.06" (1.5mm)
LT514		.10" (2.5mm)	.25" (6.4mm)

Fan Tips

Part No.	Tip Image	Gap	Width W	Length B
LT426		.02" (0.5mm)	.30" (7.6mm)	.17" (4.3mm)
LT434		.02" (0.5mm)	.46" (11.7mm)	.23" (5.8mm)
LT435		.02" (0.5mm)	.59" (15.0mm)	.35" (8.9mm)
LT436		.02" (0.5mm)	.65" (16.5mm)	.43" (10.9mm)

Dual Flow Tips

Part No.	Tip Image	Hole Dia. A	Width W	Length B
LT526		.03" (0.8mm)	.12" (3.0mm)	.30" (7.6mm)
LT534		.05" (1.3mm)	.20" (5.1mm)	.46" (11.7mm)
LT535		.05" (1.3mm)	.28" (7.1mm)	.59" (15.0mm)
LT536		.05" (1.3mm)	.35" (8.9.mm)	.65" (16.5mm)
LT537		.05" (1.3mm)	.44" (11.2mm)	.80" (20.4mm)

Curl/Bent Tips

Part No.	Tip Image	Hole Dia.	Nozzle Length
LT510		.02" (0.5mm)	.65" (16.5mm)
LT511		.06" (1.5mm)	.65" (16.5mm)
LT512		.07" (1.8mm)	.90" (22.9mm)
LT513		.10" (2.5mm)	.90" (22.9mm)
LT571		.04" (1.0mm)	1.10" (27.9mm)
LT572		.04" (1.0mm)	MAX. GAP WIDTH 1.25" (31.8mm)

EDSYN

...bringing innovative ideas to life

Universal Hot Air Tips

Part No.	Tip Image	Hole Dia. A	Length B
LU25		.03" (6.4mm)	.25" (6.4mm)
LU26		.04" (6.4mm)	.25" (6.4mm)
LU27		.06" (6.4mm)	.25" (6.4mm)
LU28		.09" (6.4mm)	.25" (6.4mm)
LU29		.05" (7.5mm)	.29" (7.5mm)
LU30		.05" (17.8mm)	.70" (17.8mm)
LU571		.04" (27.9mm)	1.10" (27.9mm)
LU572		.04" (1.0mm)	MAX. GAP WIDTH 1.25" (31.8mm)

SMD Quadra Flow Hot Air Tips

Part No.	Package	Tip Image	Hole Dia. A	Length B
LT447	SO-8		.16" (4.0mm)	.20" (5.1mm)
LT448	SO-14		.21" (5.3mm)	.35" (8.9mm)
LT449	SO-16		.26" (6.6mm)	.41" (10.4mm)
LT450	SO-16L		.42" (10.7mm)	.43" (10.9mm)
LT451	SO-18L		.44" (11.2mm)	.48" (12.2mm)
LT452	SO-20L		.38" (9.5.mm)	.52" (13.2mm)
LT454	SO-28L		.43" (10.9mm)	.73" (18.6mm)
LT455	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
LT456	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
LT458	PLCC-44 LCCC-44		.70" (17.8mm)	.70" (17.8mm)

EDSYN

...bringing innovative ideas to life

EDSYN SOLDERING SET-UPS & TIPS

SMD Quadra Flow Hot Air Tips

Part No.	Package	Tip Image	Width A	Length B
LT459	PLCC-52 QFP-100		.80" (20.3mm)	.80" (20.3mm)
LT459-1			.80" (20.3mm)	.80" (20.3mm)
LT460	PLCC-68		1.0" (25.4mm)	1.0" (25.4mm)
LT462	PLCC-18		.34" (8.6mm)	.55" (14.0mm)
LT463	QFP-44		.60" (15.2mm)	.60" (15.2mm)
LT468	QFP-100		.66" (16.8mm)	.90" (22.9mm)
LT477			.75" (19mm)	1.0" (25.4mm)
LT478	LCCC-18R		.32" (8.1mm)	.45" (11.4mm)
LT482	LCCC-32R		.47" (11.9mm)	.58" (14.7mm)
LT484	SOJ-20		.40" (10.2mm)	.79" (20.1mm)
LT485			.52" (13.2mm)	.64" (16.3mm)
LT486	PLCC-28R		.40" (10.2mm)	.60" (15.2mm)
LT488	LCCC-84 QFP-144		1.17" (29.7mm)	1.17" (29.7mm)
LT493	SOJ-32		.48" (12.2mm)	.85" (21.6mm)
LT494	SOJ-40		.45" (11.4mm)	1.05" (26.7mm)
LT1629	SOP-44		.63" (16.0mm)	1.14" (29.0mm)
LT1824	QFP-100		.70" (17.8mm)	.94" (23.9mm)
LT2228			.85" (21.6mm)	1.1" (27.9mm)

SMT CROWN® TIPS

CROWN® Series Contact Surface Mount Tips				
Part No.	Package	Tip Image	Width A	Length B
CT12	SOT-23		.07" (1.8mm)	.10" (2.5mm)
CT21	805		.09" (2.3mm)	.06" (1.5mm)
CT25	SOT-89		.10" (2.5mm)	.21" (5.3mm)
CT31	1206, 1210		.14" (3.5mm)	.07" (1.8mm)
CT42	1808, 1812		.19" (4.8mm)	.09" (2.3mm)
CT52	N/A		.20" (5.1mm)	.10" (2.5mm)
CT53	N/A		.23" (5.8mm)	.14" (3.5mm)

CROWN® Tunnel SMD Tips

Part No.	Package	Tip Image	Width A	Length B
CT110	SOIC-18		.38" (9.5mm)	.40" (10.2mm)
CT113	SOIC-20		.38" (9.5mm)	.52" (13.2mm)
CT116	SOIC-24		.38" (9.5mm)	.62" (15.7mm)
CT118	SOIC-28		.38" (9.5mm)	.72" (18.2mm)
CT227	N/A		.45" (11.4mm)	1.08" (27.5mm)
CT504	SOIC-8		.20" (5.1mm)	.18" (4.5mm)
CT509	N/A		.20" (5.1mm)	.35" (8.9mm)
CT510	SOIC-14, 16		.20" (5.1mm)	.41" (10.4mm)
CT711	SOMC-16		.27" (6.9mm)	.45" (11.4mm)
CT919	SOJ-28		.34" (8.6mm)	.74" (18.9mm)

CROWN® Quad SMD Tips

Part No.	Package	Tip Image	Width A	Length B
CT0808	N/A		.31" (7.9mm)	.31" (7.9mm)
CT0814	PLCC-18		.34" (8.6mm)	.54" (13.6mm)
CT1010	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
CT1313	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
CT1315	PLCC-32		.50" (12.7mm)	.60" (15.4mm)
CT1515	TQFP-100		.60" (15.2mm)	.60" (15.2mm)
CT1616	44-QFP		.64" (16.3mm)	.64" (16.3mm)
CT1723	64/80-QFP		.68" (17.3mm)	.92" (23.2mm)
CT1818	PLCC-44		.70" (17.8mm)	.70" (17.8mm)
CT2020	PLCC-52		.81" (20.6mm)	.81" (20.6mm)
CT2626	PLCC-68		1.0" (25.4mm)	1.0" (25.4mm)
CT3131	PLCC-84		1.20" (30.5mm)	1.20" (30.5mm)
CT3434	N/A		1.30" (33.5mm)	1.30" (33.5mm)

EDSYN

...bringing innovative ideas to life

EDSYN MULTI-TASKING STATIONS

SOLDAVAC® SMT Reflow Vacuum Work Station

TSX70-230

⇒ This ground-breaking technology introduces the most effective and innovative site preparation system for BGA's, PLCC's, QFP's and other fine pitch devices using hot air reflow and desoldering functions from one handpiece

⇒ Nitrogen capable to reduce oxidation and bridging

⇒ Dual controls for hot gas and tip temperatures to produce even heating of board

⇒ Recommended and utilized by major manufacturers

⇒ International models available

⇒ ESD safe

⇒ 18 month warranty

Contents

| TSX70 | SMT reflow vacuum workstation includes TSX70-1 hand piece with TSX713 tip |
| SH232 | Sponge holder with RS199 cleaning sponge |

Accessory Kit

WT620	Tip wrench, 1/4" socket
WT624	Tip wrench, dual open end, 1/4" & 5/16"
ST706	SMD tool to lift off SMD's
RB641	Shim blade replacement
WS630	SMD pull wire with low static spool
AN112	Anti-Seize compound
WP556	WIGAPRY® mini screwdriver and calibration aid tool

EDSYN

...bringing innovative ideas to life

Specifications

Power Requirements	230V, 50Hz
Power Rating	39W - 330W
Heater Rating	24V, 70W
Weight	3.1 kg
Overall Dimensions	147 mm x 254 mm x 224 mm
Temperature Range	400°F-800°F (205°C - 427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code
TSX70-230

LONER® Multi-Tasking Rework Station

ZD905VDX-230

⇒ A simple, economical and easy soldering and desoldering rework center with dual independent temperature controlled handpieces (requires shop air, 60-90 psi)

⇒ Delivers high performance in a small footprint

⇒ External calibration feature allows easy access for precision adjustments

⇒ Accepts a wide variety of tips

⇒ International models available

⇒ ESD safe

⇒ 18 month warranty

Contents

ZD905V	Hot tip soldering and desoldering system includes:
	- HT500 Hot tip desoldering hand tool with ZD13 tip
	- LST11 Soldering tool with LT375 tip

EDSYN MULTI-TASKING STATIONS

Accessory Kit — ZD905VDX-230

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT619	Tip wrench for removing retaining sleeve
CS468	Tip cleaning shaft for desoldering tips
CS468-1	Tip cleaning shaft for small desoldering tips
AN112	Anti-Seize compound
OL111	O-Ring lube
MS229	1 pc. mica sheet for HT500
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF040	1 pc. foam filter for AF110
WP556	WIGAPRY® mini screwdriver and calibration aid tool

Specifications

Power Requirements	230V, 50Hz
Power Rating	38W - 310W
Heater Rating (Hot tip desoldering hand tool)	24V, 70W
Heater Rating (Soldering tool)	24V, 53W
Weight	3.1 kg
Overall Dimensions	140 mm x 229 mm x 241 mm
Temperature Range	400°F-800°F (205°C - 427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms

Order Code

ZD905VDX-230

ZD906-230

⇒ The ideal rework center for technicians needing soldering, desoldering and hot air capabilities in one small unit (shop air required for 2 air inputs, 60-90 psi)

⇒ Powerful heating elements deliver high performance and are well suited for multi-layer boards and thick heat-sinks
⇒ External calibration feature allows easy access for precision adjustments
⇒ International models available
⇒ ESD safe, 18 month warranty

Contents

ZD906	Shop air powered rework system includes:
- HT500	Hot tip desoldering hand tool with ZD13 tip
- FA069	Hot air tool with LT428 tip
- LST11	Soldering tool with LT375 tip

Accessory Kit

WT623	Tip wrench, dual open end, 1/4" & 3/4"
WT619	Tip wrench for retaining sleeve
WP556	WIGAPRY® mini screwdriver and calibration aid tool
WT620	Tip wrench, 1/4" socket
CS468	Tip cleaning shaft for desoldering tips
CS468-1	Tip cleaning shaft for small desoldering tips
AN122	Anti-Seize compound
OL111	O-Ring lube
MS229	1 pc. mica sheet for HT500
AF629	1 pc. felt filter for AF110
AF625	1 pc. felt filter for HT500
AF040	1 pc. foam filter for AF110

Specifications

Power Requirements	230V, 50/60Hz
Power Rating	39W - 330W
Heater Rating (Hot tip desoldering hand tool)	24V, 70W
Heater Rating (Soldering tool)	
Heater Rating (SMD Hot air tool)	
Weight	3.1 kg
Overall Dimensions	140 mm x 229 mm x 241 mm
Temperature Range	400°F-800°F (205°C - 427°C)
Temperature Regulation	±6°F (±3°C)
Tip-to-Ground Voltage Leakage/Resistance	< 2mV / < 2 ohms
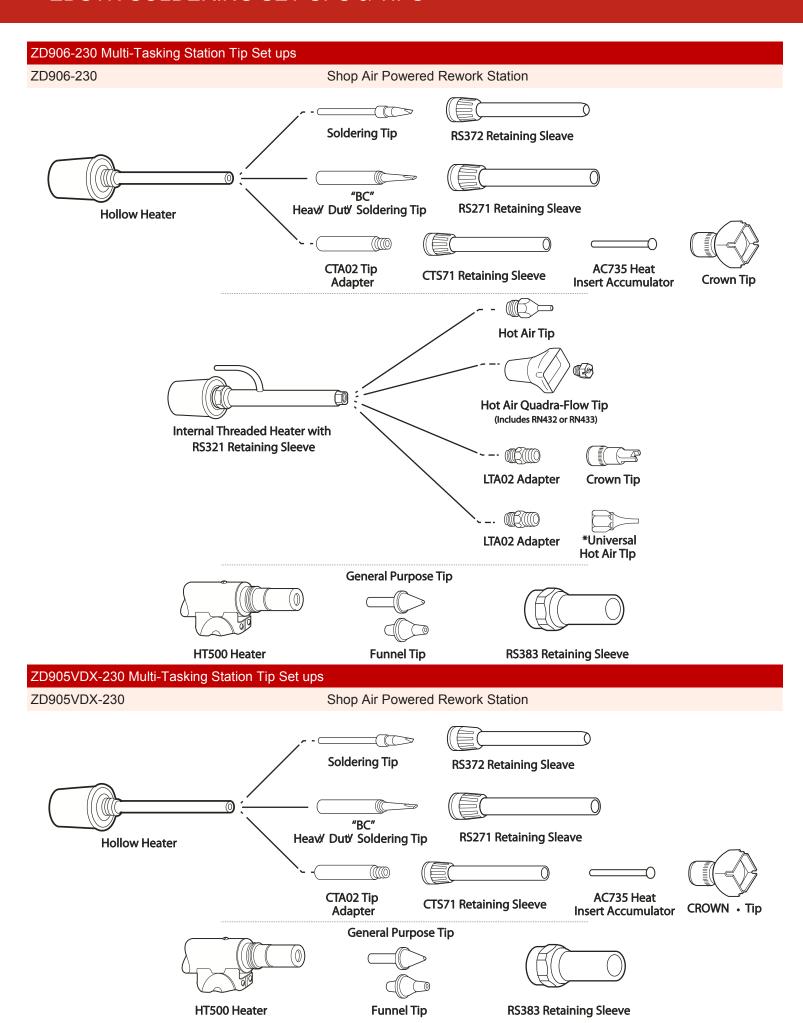
Order Code

ZD906-230

EDSYN SOLDERING SET-UPS & TIPS

ZD906-230 Multi-Tasking Station Tip Set ups

ZD906-230   Shop Air Powered Rework Station

Hollow Heater

Soldering Tip — RS372 Retaining Sleave

"BC" Heavy Duty Soldering Tip — RS271 Retaining Sleave

CTA02 Tip Adapter — CTS71 Retaining Sleeve — AC735 Heat Insert Accumulator — Crown Tip

Internal Threaded Heater with RS321 Retaining Sleeve

Hot Air Tip

Hot Air Quadra-Flow Tip
(Includes RN432 or RN433)

LTA02 Adapter — Crown Tip

LTA02 Adapter — *Universal Hot Air TIp

General Purpose Tip

HT500 Heater — Funnel Tip — RS383 Retaining Sleeve

ZD905VDX-230 Multi-Tasking Station Tip Set ups

ZD905VDX-230   Shop Air Powered Rework Station

Hollow Heater

Soldering Tip — RS372 Retaining Sleave

"BC" Heavy Duty Soldering Tip — RS271 Retaining Sleave

CTA02 Tip Adapter — CTS71 Retaining Sleeve — AC735 Heat Insert Accumulator — CROWN · Tip

General Purpose Tip

HT500 Heater — Funnel Tip — RS383 Retaining Sleeve

EDSYN SOLDERING SET-UPS & TIPS

GENERAL PURPOSE SOLDERING TIPS

General Purpose Spade Tips

Part No.	Tip Image	Width A	Length B
LT375		.06" (1.5mm)	.48" (12.2mm)
LT376		.12" (3.0mm)	.48" (12.2mm)
LT394		.07" (1.8mm)	.93" (23.6mm)
LT395		.069" (2.3mm)	.74" (18.8mm)
LT431		.07" (1.8mm)	.74" (18.8mm)
LT444		.04" (1.0mm)	.78" (19.8mm)

General Purpose Conical Tips

LT374		.03" (0.8mm)	.48" (12.2mm)
LT382		.02" (1.5mm)	.62" (15.8mm)
LT429		.02" (0.5mm)	.74" (18.8mm)

General Purpose Angled Conical Tips

LT429-1		.02" (0.5mm)	.74" (18.8mm)

HIGH TEMPERATURE RATED SOLDERING TIPS

High Temperature Rated Spade Tips

Part No.	Tip Image	Width A	Length B
LT371LF		.03" (0.8mm)	.55" (14.0mm)
LT375LF		.06" (1.5mm)	.48" (12.2mm)
LT376LF		.12" (3.0mm)	.48" (12.2mm)
LT394LF		.07" (1.8mm)	.93" (23.6mm)
LT395LF		.09" (2.3mm)	.74" (18.8mm)
LT424LF		.06" (1.5mm)	.74" (18.8mm)
LT425LF		.05" (1.3mm)	.93" (23.6mm)
LT431LF		.07" (1.8mm)	.74" (18.8mm)
LT444LF		.04" (1.0mm)	.78" (9.8mm)

High Temperature Rated Conical Tips

LT374LF		.03" (0.8mm)	.48" (12.2mm)
LT380LF		.02" (0.5mm)	.32" (8.1mm)
LT382LF		.02" (0.5mm)	.62" (15.8mm)
LT383LF		.02" (0.5mm)	.72" (18.3mm)
LT392LF		.01" (0.3mm)	1.13" (28.8mm)
LT429LF		.02" (0.5mm)	.74" (18.9mm)
LT439LF		.03" (0.8mm)	.50" (12.7mm)

EDSYN SOLDERING SET-UPS & TIPS

High Temperature Rated Conical Tips

Part No.	Tip Image	Width A	Length B
LT446LF		.03" (0.8mm)	.48" (12.2mm)
LT603LF		.02" (0.5mm)	.69" (17.5mm)

High Temperature Rated Angle Face Tips

Part No.	Tip Image	Width A	Length B
LT298LF		.12" (3.1mm)	.59" (15.0mm)
LT299LF		.16" (4.0mm)	.59" (15.0mm)
LT373LF		.09" (2.3mm)	.59" (15.0mm)
LT387LF		.06" (1.5mm)	.48" (12.2mm)
LT393LF		.06" (1.5mm)	.94" (23.9mm)
LT398LF		.12" (3.0mm)	.59" (15.0mm)
LT399LF		.16" (4.0mm)	.59" (15.0mm)
LT430LF		.06" (1.5mm)	.74" (18.8mm)
LT433LF		.04" (1.2mm)	.69" (17.5mm)
LT443LF		.09" (5.6mm)	.69" (17.5mm)

High Temperature Rated Angled Spade Tips

Part No.	Tip Image	Width A	Length B
LT444-1LF		.064" (1.0mm)	.78" (9.8mm)

High Temperature Rated Angled Conical Tips

Part No.	Tip Image	Width A	Length B
LT392-1LF		.01" (0.3mm)	1.13" (28.8mm)
LT439-1LF		.03" (0.8mm)	.50" (12.7mm)
LT602-1LF		.02" (0.5mm)	.44" (11.2mm)

High Temperature Rated Mini Flow Rework Tips

Part No.	Tip Image	Width A	Length B
LT396LF		.13" (3.3mm)	.69" (17.5mm)

HEAVY DUTY SOLDERING TIPS

High Temperature Rated Heavy Duty Spade Tips

Part No.	Tip Image	Width A	Length B
HS106BC		.18" (4.6mm)	.45" (11.4mm)
LT336BC		.07" (1.8mm)	.74" (18.8mm)
LT337BC		.10" (2.5mm)	.74" (18.8mm)
LT338BC		.13" (3.3mm)	.74" (18.8mm)
LT441BC		.21" (5.3mm)	.94" (23.9mm)

EDSYN SOLDERING SET-UPS & TIPS

Heavy Duty Angle Face Tips

Part No.	Tip Image	Width A	Length B
LT339BC		.09" (2.3mm)	.77" (19.6mm)
LT340BC		.12" (3.0mm)	.77" (19.6mm)
LT341BC		.16" (4.0mm)	.77" (19.6mm)

High Temperature Rated Heavy Duty SMD Knife Tip

LT570BC		.17" (4.3mm)	.68" (17.3mm)

Heavy Duty Jumbo Spade & Angle Tips

LT151B		.06" (1.5mm)	1.13" (28.7mm)
LT152B		.32" (8.1mm)	.89" (22.6mm)
LT155B		.33" (8.4mm)	.97" (24.6mm)

SOLDERING & DESOLDERING TIPS

Extra Performance Spade Tips

Part No.	Tip Image	Width A	Length B
XP371		.03" (.80mm)	.61" (15.5mm)
XP375		.06" (1.5mm)	.61" (15.5mm)
XP376		.12" (3.0mm)	.61" (21.2mm)
XP395		.09" (2.3mm)	.84" (21.2mm)
XP441		.20" (5.0mm)	.59" (15.0mm)
XP444		.04" (1.0mm)	.87" (22.0mm)

Extra Performance Conical Tips

Part No.	Tip Image	Width A	Length B
XP374		.04" (.9mm)	.61" (15.5mm)
XP429		.02" (.6mm)	.83" (21.0mm)

Extra Performance Angle Face Tip

XP399		.20 (5.0mm)	.45 (11.5mm)

EDSYN

...bringing innovative ideas to life

29

EDSYN SOLDERING SET-UPS & TIPS

High Temperature Rated Iron-Plated General Purpose Tips

Part No.	Tip Image	Width A	Length B
ZD12		.03" (0.8mm)	.50" (12.7mm)
ZD13		.04" (1.0mm)	.50" (12.7mm)
ZD14		.06" (1.5mm)	.50" (12.7mm)
ZD18		.07" (1.8mm)	.50" (12.7mm)
ZD19		.12" (3.0mm)	.50" (12.7mm)

Iron-Plated Funnel Tips

Part No.	Tip Image	Width A	Length B
ZD107		.02" (10.5mm)	.48" (12.2mm)
ZD111		.03" (0.8mm)	1.22" (31.0mm)
ZD112		.03" (0.8mm)	.48" (12.2mm)
ZD113		.04" (1.0mm)	.48" (12.2mm)
ZD115		.07" (1.8mm)	1.22" (31.0mm)
ZD118		.07" (1.8mm)	.48" (12.2mm)

SMT HOT AIR TIPS

Single Nozzle Tips

Part No.	Tip Image	Hole Dia. A	Length B
LT427		.02" (0.5mm)	.38" (95mm)
LT428		.06" (1.5mm)	.25" (6.4mm)
LT432		.04" (1.0mm)	.06" (1.5mm)
LT514		.10" (2.5mm)	.25" (6.4mm)

Fan Tips

Part No.	Tip Image	Gap	Width W	Length B
LT426		.02" (0.5mm)	.30" (7.6mm)	.17" (4.3mm)
LT434		.02" (0.5mm)	.46" (11.7mm)	.23" (5.8mm)
LT435		.02" (0.5mm)	.59" (15.0mm)	.35" (8.9mm)
LT436		.02" (0.5mm)	.65" (16.5mm)	.43" (10.9mm)

Dual Flow Tips

Part No.	Tip Image	Hole Dia. A	Width W	Length B
LT526		.03" (0.8mm)	.12" (3.0mm)	.30" (7.6mm)
LT534		.05" (1.3mm)	.20" (5.1mm)	.46" (11.7mm)
LT535		.05" (1.3mm)	.28" (7.1mm)	.59" (15.0mm)
LT536		.05" (1.3mm)	.35" (8.9mm)	.65" (16.5mm)
LT537		.05" (1.3mm)	.44" (11.2mm)	.80" (20.4mm)

Curl/Bent Tips

Part No.	Tip Image	Hole Dia.	Nozzle Length
LT510		.02" (0.5mm)	.65" (16.5mm)
LT511		.06" (1.5mm)	.65" (16.5mm)
LT512		.07" (1.8mm)	.90" (22.9mm)
LT513		.10" (2.5mm)	.90" (22.9mm)
LT571		.04" (1.0mm)	1.10" (27.9mm)
LT572		.04" (1.0mm)	MAX. GAP WIDTH 1.25" (31.8mm)

SMD Quadra Flow Hot Air Tips

Part No.	Package	Tip Image	Hole Dia. A	Length B
LT447	SO-8		.16" (4.0mm)	.20" (5.1mm)
LT448	SO-14		.21" (5.3mm)	.35" (8.9mm)
LT449	SO-16		.26" (6.6mm)	.41" (10.4mm)
LT450	SO-16L		.42" (10.7mm)	.43" (10.9mm)
LT451	SO-18L		.44" (11.2mm)	.48" (12.2mm)
LT452	SO-20L		.38" (9.5.mm)	.52" (13.2mm)
LT454	SO-28L		.43" (10.9mm)	.73" (18.6mm)
LT455	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
LT456	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
LT458	PLCC-44 LCCC-44		.70" (17.8mm)	.70" (17.8mm)
LT459	PLCC-52 QFP-100		.80" (20.3mm)	.80" (20.3mm)
LT459-1			.80" (20.3mm)	.80" (20.3mm)
LT460	PLCC-68		1.0" (25.4mm)	1.0" (25.4mm)
LT462	PLCC-18		.34" (8.6mm)	.55" (14.0mm)
LT463	QFP-44		.60" (15.2mm)	.60" (15.2mm)
LT468	QFP-100		.66" (16.8mm)	.90" (22.9mm)
LT477			.75" (19mm)	1.0" (25.4mm)

EDSYN SOLDERING SET-UPS & TIPS

SMD Quadra Flow Hot Air Tips

Part No.	Package	Tip Image	Width A	Length B
LT478	LCCC-18R		.32" (8.1mm)	.45" (11.4mm)
LT482	LCCC-32R		.47" (11.9mm)	.58" (14.7mm)
LT484	SOJ-20		.40" (10.2mm)	.79" (20.1mm)
LT485			.52" (13.2mm)	.64" (16.3mm)
LT486	PLCC-28R		.40" (10.2mm)	.60" (15.2mm)
LT488	LCCC-84 / QFP-144		1.17" (29.7mm)	1.17" (29.7mm)
LT493	SOJ-32		.48" (12.2mm)	.85" (21.6mm)
LT494	SOJ-40		.45" (11.4mm)	1.05" (26.7mm)
LT1629	SOP-44		.63" (16.0mm)	1.14" (29.0mm)
LT1824	QFP-100		.70" (17.8mm)	.94" (23.9mm)
LT2228			.85" (21.6mm)	1.1" (27.9mm)

SMT CROWN® TIPS

CROWN® Series Contact Surface Mount Tips

Part No.	Package	Tip Image	Width A	Length B
CT12	SOT-23		.07" (1.8mm)	.10" (2.5mm)
CT21	805		.09" (2.3mm)	.06" (1.5mm)
CT25	SOT-89		.10" (2.5mm)	.21" (5.3mm)
CT31	1206, 1210		.14" (3.5mm)	.07" (1.8mm)
CT42	1808, 1812		.19" (4.8mm)	.09" (2.3mm)
CT52	N/A		.20" (5.1mm)	.10" (2.5mm)
CT53	N/A		.23" (5.8mm)	.14" (3.5mm)

CROWN® Contact Tunnel SMD Tips

Part No.	Package	Tip Image	Width A	Length B
CT110	SOIC-18		.38" (9.5mm)	.40" (10.2mm)
CT113	SOIC-20		.38" (9.5mm)	.52" (13.2mm)
CT116	SOIC-24		.38" (9.5mm)	.62" (15.7mm)
CT118	SOIC-28		.38" (9.5mm)	.72" (18.2mm)
CT227	N/A		.45" (11.4mm)	1.08" (27.5mm)
CT504	SOIC-8		.20" (5.1mm)	.18" (4.5mm)
CT509	N/A		.20" (5.1mm)	.35" (8.9mm)
CT510	SOIC-14, 16		.20" (5.1mm)	.41" (10.4mm)
CT711	SOMC-16		.27" (6.9mm)	.45" (11.4mm)
CT919	SOJ-28		.34" (8.6mm)	.74" (18.9mm)

CROWN® Quad SMD Tips

Part No.	Package	Tip Image	Width A	Length B
CT0808	N/A		.31" (7.9mm)	.31" (7.9mm)
CT0814	PLCC-18		.34" (8.6mm)	.54" (13.6mm)
CT1010	PLCC-20		.40" (10.2mm)	.40" (10.2mm)
CT1313	PLCC-28		.50" (12.7mm)	.50" (12.7mm)
CT1315	PLCC-32		.50" (12.7mm)	.60" (15.4mm)
CT1515	TQFP-100		.60" (15.2mm)	.60" (15.2mm)
CT1616	44-QFP		.64" (16.3mm)	.64" (16.3mm)
CT1723	64/80-QFP		.68" (17.3mm)	.92" (23.2mm)
CT1818	PLCC-44		.70" (17.8mm)	.70" (17.8mm)
CT2020	PLCC-52		.81" (20.6mm)	.81" (20.6mm)
CT2626	PLCC-68		1.0" (25.4mm)	1.0" (25.4mm)
CT3131	PLCC-84		1.20" (30.5mm)	1.20" (30.5mm)
CT3434	N/A		1.30" (33.5mm)	1.30" (33.5mm)

TSX70 SMT REFLOW VACUUM WORK STATION SET UP

ZD906-230 Multi-Tasking Station Tip Set ups

TSX70	SMT Reflow Vacuum Workstation

TSX70 Hollow Heater   Reflow Vacuum Tip   RSX72 Retaining Sleeve

Curl/Bent Tips

Part No.	Tip Image	Hole Dia. A	Length B
TSX713		.05" (1.3mm)	.55" (14.0mm)
TSX713C		.05" (1.3mm)	.55" (14.0mm)
TSX715 *to be used with TSX716		.09" (2.3mm)	.43" (10.9mm)
TSX716		.03" (0.8mm)	.80" (20.3mm)
TSX717		.011" (.28mm)	.63" (16.1mm)
TSX718		.03" (0.8mm)	.80" (20.3mm)

FUMINATOR® Bench Top Fume Extraction

FXF11 / FXF12

FXF11

FXF12

*solder spool and wire are not included

⇒ Powerful bench top fume extraction system provides ultra-quiet and compact two stage filtration
⇒ Proprietary FUMINATOR® rotating filter system draws fume away from operator and provides filtration 8 times better than a stationary filter
⇒ Dual adjustment arm for more targeted fume removal
⇒ Quick and easy filter replacement
⇒ Internal safety grills
⇒ ESD safe
⇒ 90 day warranty (does not include filters)

Contents

FXF10	FUMINATOR® bench top fume extractor fan
SR541	Stand with solder peg and SH232 sponge holder
SR542	Stand with solder peg

Replacement Filters

XF01	Filter set contains one each rotating front filter and charcoal impregnated stationary rear filter
XF02	Primary rotating filter (set of 5)
XF03	Charcoal impregnated stationary rear filter (set of 5)

Specifications

Power Requirements	12VDC
Weight	FXF11 - 0.49 kg FXF12 - 0.58 kg
Dimensions	102mm x 229mm x 102mm
Max Airflow	83.3 m^3/h
Noise Level	53 db

FXF14

⇒ Powerful bench top fume extraction system provides ultra-quiet and compact two stage filtration
⇒ Proprietary FUMINATOR® rotating filter system draws fume away from operator and provides filtration 8 times better than a stationary filter
⇒ Single Adjustable arm to almost any working angle (up to 90°)
⇒ Quick and easy filter replacement
⇒ Internal safety grills
⇒ ESD safe
⇒ 90 day warranty (does not include filters)

Contents

FXF14W	White FUMINATOR® bench top fume extractor fan

Replacement Filters

XF01	Filter set contains one each rotating front filter and charcoal impregnated stationary rear filter
XF02	Primary rotating filter (set of 5)
XF03	Charcoal impregnated stationary rear filter (set of 5)

Specifications

Power Requirements	12VDC
Weight	0.49 kg
Dimensions	102mm x 229mm x 102mm
Max Airflow	83.3 m^3/h
Noise Level	53 db

Order Code

FXF14-230

FX225

⇒ Compact, economic and hassle free fume extraction for 2 operators includes powerful self-contained unit with two 50mm arms attached
⇒ High efficiency HEPA filtration 99.997% effective to 0.3 microns
⇒ Easy installation
⇒ Optional gas filtration available
⇒ Thermal trip circuit
⇒ Quick and easy filter change
⇒ 12 month warranty

Contents

FXS5015-L	Extra long 50mm arms with nozzles (includes 2)
XF2501-1	Pre-filter (1 each)
XF2502	Combined filter

Options Available

FX225-230	FUMINATOR® volume fume extraction unit in 230 Volts
XF2503	Gas filter
FXS5016-L	Extra long 50mm arm with funnel attachment
FXT100	50mm fume extraction table top attachment (13" x 11")

Specifications

Power Requirements	230V 50HZ
Weight	10 kg
Dimensions	480mm x 260mm x 280mm
Airflow	203.9 m^3/h (filters installed)
Noise Level	53 db
Motor	Maintenance-free brushless
Duct size	50mm
Max number of attachments	2

Order Code

FX225-230

FX300

⇒ Entry level fume extraction system offers outstanding value for two operator applications
⇒ Quiet operation, small footprint and portability
⇒ Comes standard with a pre-filter and a pleated main filter providing 95% filtration of particulate down to 0.5 microns
⇒ HEPA and gas filters sold separately
⇒ Easy filter change
⇒ Quick and easy set up
⇒ High efficiency (HEPA) and gas filters available
⇒ 12 month warranty

Contents

FX300-230	FUMINATOR® entry level volume fume extractor
XF300	Filter pack includes pre-filter & foam filter

Options Available

XF2501	Pre-filter
XF2502	Combined filter
XF2503	Gas filter
FXS7518	ESD safe arm with funnel attachment

Specifications

Power Requirements	230V 50HZ
Weight	15 kg
Dimensions	432mm x 330mm x 305m
Airflow	Free blowing 475.7 m^3/h (319.4 m^3/h with filters installed)
Noise Level	Below 58 db
Motor	Maintenance-free brushless

Order Code

FX225-230

EDSYN FUME EXTRACTION

FUMINATOR® Installation Parts and Attachments

Part No.	Image	Descripion	FX225	FX300
FXC501		50mm Clear Cowl Accessory - includes 6 feet flex-hose and 2 clamps	●	●
FXC502		50mm Black ESD Safe Cowl Accessory -includes 6 feet flex-hose and 2 clamps	●	●
FXC751		75mm Clear Cowl Accessory - includes 6 feet flex-hose and 2 clamps		●
FXC752		75mm Black ESD Safe Cowl Accessory - includes 6 feet flex-hose and 2 clamps		●
FXI300-4X		Installation Kit comes with: ⇒ 1 pc. replacement lid with 8 pcs 50mm inlets ⇒ 4 pcs. table bracket with flush seal system ⇒ 4 pcs. balancing valve ⇒ 10 meters of 50mm flex hose and 8 cinch clips)		●
FXI300-4N		Installation Kit comes with: ⇒ 1 pc. replacement lid with 8 pcs. 50mm inlets ⇒ 4 pcs. table bracket with flush seal system ⇒ 4 pcs. balancing valve ⇒ 10 meters of 50mm flex hose and 8 cinch clips ⇒ 4 pcs. FXS5015 50mm arms with nozzle attachments		●
FXI300-4F		Installation Kit comes with: ⇒ 1 pc. replacement lid with 8 pcs. 50mm inlets ⇒ 4 pcs. table bracket with flush seal system ⇒ 4 pcs. balancing valve ⇒ 10 meters of 50mm flex hose and 8 cinch clips ⇒ 4 pcs. FXS5016 50mm arms with nozzle attachments		●
FXM5002		50mm Flex Tubing		●
FXM7502		75mm Flex Tubing		●
FXM7513		75mm Cinch Clips		●
FXM5013		50mm Cinch Clips		●
FXM7503		75mm T Fitting		●
FXM7511		75/50mm Reducer		●
FXM7516		75mm Y Fitting		●

FUMINATOR® Installation Parts and Attachments

Part No.	Image	Descripion	FX225	FX300
FXM7517		75/50mm Reducer with Balancing Valve		●
FXS5008		Flush Seal System	●	●
FXS5015		50mm Arm with Nozzle Length: 34 inches (.86 meters)	●	●
FXS5016		50mm Arm with Funnel Length: 34 inches (.86 meters)	●	●
FXS5017		50mm Arm with Fan Nozzle Length: 34 inches (.86 meters)		●
FXS7510		75mm Table Bracket		●
FXS7516		75mm Arm with Table Bracket Length: 32 inches (.81 meters)		●
FXS7518		Length: 42 inches (1.07 meters)		●
FXS5015-L		Extra long 50mm arm with Nozzle Length: 46 inches (1.17 meters)	●	
FXS5016-L		Extra long 50mm arm with Funnel Length: 46 inches (1.17 meters)	●	
FXT100		Downdraft Table	●	●
FXT200		Downdraft Table		●
FXT300		Downdraft Table		●

CT-1

⇒ CROWN® lead-free tip tinner and cleaner to maintain your Edsyn CROWN® tips or any heavy duty tips (1.5 oz. or 42.5g)

Order Code

CT-1

WP286

⇒ WIGAPRY® desoldering aid
⇒ Use to straighten pins or leads and remove circuit devices

Order Code

WP286

WP556

⇒ WIGAPRY® mini screwdriver and calibration aid tool

Order Code

WP556

ST800

⇒ SMD helper helps remove surface mount devices while using soldering or hot air tools

Order Code

ST800

ST706

⇒ SMD helper helps lift and remove surface mount devices while using hot air tools (.002 shim, .238 width)

Order Code

ST706

LT-1

⇒ LONER® lead -free tip tinner and cleaner to maintain your Edsyn LONER® soldering tips (.5 oz or 14.2g)

Order Code

LT-1

RB641

⇒ SMD shim blade replacement with staticsafe spool holder to be used with ST706 or ST800 SMD helpers

Order Code

RB641

RB630

⇒ SMD pull wire replacement and static-safe spool holder to be used with ST706 or ST800 SMD helpers [Dia: .01 in. (.25 mm) L: 10 ft (3.05 m)]

Order Code

RB630

EDSYN

...bringing innovative ideas to life

TC383

⇒ K-Type thermocouple and subminiature connector assembly with ZD13 desoldering tip and RS383 retaining sleeve attached (use as a calibration aid with MS412 temperature measuring system)

Order Code

TC383

MS412

⇒ Compact digital meter system suitable for measuring and calibrating soldering or desoldering tip temperatures. Displays in C° and F°.
⇒ MS412 system: FX635 Tool Fixture for Soldering Tools + SDS100 Temperature Sensor Docking System + TI680 Temperature Meter, additional probes: TP791 Small Area Surface Temperature Probe, TP792 Submersible Temperature Probe, TP794 Large Area Surface Temperature Probe.

Order Code

MS412

WT618

⇒ Dual ended wrench for removing hot air tips (set of 2)

Order Code

WT618

WT619

⇒ Tip wrench for removing desoldering tips using RS383 retaining sleeve (comes with UC274 clamp for attaching to station for easy access)

Order Code

WT619

WT620

⇒ Socket wrench for removing smaller hot air tips that use RN432 and RN433 retaining nuts

Order Code

WT620

OL111

⇒ O-Ring lube for lubrication and longer tool life

Order Code

OL111

DS299

⇒ KLATCH® dip squeezers for grabbing or removing circuit devices comes with RS190 sponge and AF039 foam for cleaning and scrubbing

Order Code

DS299

EA439-C

⇒ Dry soldering tip cleaner and stand comes with EA439-1 replacement metallic tip cleaning element

Order Code

EA439-C

ST707

⇒ Soldering tool maintenance and cleaning brush

Order Code

ST707

ST707-1

⇒ Replacement stainless steel brush for ST707

Order Code

ST707-1

TH101

⇒ Tip organizer and holder with dovetail slide mount for easy attachment to your station comes with TH100 tip organizer (holds 3 heavy duty tips and 4 standard tips)

Order Code

TH101

SD300

⇒ Solder spool holder with dovetail slide mount for easy attachment to your station (solder not included)

Order Code

SD300

SD302

⇒ Solder spool holder and tip organizer comes with TH100 tip organizer and dovetail slide mount for easy attachment to your station (solder & tips not included)

Order Code

SD302

SL287LF

⇒ Static-Safe solder spool holder with selfadhesive bottom for lead-free solder (solder not included)

Order Code

SL287LF

SL287LS

⇒ Static-Safe solder spool holder with selfadhesive bottom (solder not included)

Order Code

SL287LS

EDSYN

...bringing innovative ideas to life

40

AN122

⇒ High heat anti-seize syringe dispenser (2.5 cc/2.4 ml/2.7 g)

Order Code

AN122

AN112

⇒ Anti-Seize compound prevents seizure from 65°F up to 2000°F (2cc)

Order Code

AN112

CS468

⇒ Tip cleaning shaft for hot tip desoldering tips
[Shaft Dia: .05 in. (1.27 mm) L: 1.73 in. (43.4 mm)]

Order Code

CS468

CS468-1

⇒ Tip cleaning shaft for hot tip desoldering tips
[Shaft Dia: .025 in. (.635 mm) L: 1.73 in. (43.9 mm)]

Order Code

CS468-1

CS468-2

⇒ Tip cleaning shaft for hot tip desoldering tips
[Shaft Dia: .01 in. (.25 mm) L: 1.73 in. (43.9 mm)]

Order Code

CS468-2

CSX70

⇒ Maintenance tool with cleaning shaft for all versions of model TSX70
[Shaft Dia: .22 in.(5.6 mm) L: 3.38 in. (85.9 mm)]

Order Code

CSX70

Pick up Tools

LP200

⇒ Most popular portable lifting kit. Comes standard with 3 different needles. A small and lightweight tool with single sided vacuum bar and pocket clip for portability. Also ESD safe.

Contents

LN250	Small Angled Lifting Needle with SP125 3mm Suction Cup
LN260	Med. Angled Lifting Needle with SP250 6mm Suction Cup
LN270	Large Angled Lifting Needle with SP375 9mm Suction Cup

Accessories

LN251	Small Straight Lifting Needle with SP125 3mm Suction Cup
LN261	Med. Straight Lifting Needle with SP250 6mm Suction Cup
LN271	Large Straight Lifting Needle with SP375 9mm Suction Cup
SP125	3mm Static-Safe Silicone Suction Cup
SP250	6mm Static-Safe Silicone Suction Cup
SP375	9mm Static-Safe Silicone Suction Cup
SP500	12mm Static-Safe Silicone Suction Cup
SP625	16mm Static-Safe Silicone Suction Cup
SP750	19mm Static-Safe Silicone Suction Cup

Order Code

LP200

41

LP200S

⇒ SOLDAVAC Lifter by Pen-Vac Stealth Portable Vacuum Pick-Up Tool includes 2-Suction Cups and Lifting Needle

Contents

	Pen-Vac handle
LN270S	Large Angled Lifting Needle with SP375 9mm Suction Cup

Order Code
LP200

LP20

⇒ This is the smallest addition to our line of portable lifting tools. Features a small yet powerful vacuum pick up system with tweezer like handling for compact areas. Also ESD safe.

Accessories

LN251	Small Straight Lifting Needle with SP125 3mm Suction Cup
LN261	Med. Straight Lifting Needle with SP250 6mm Suction Cup
LN271	Large Straight Lifting Needle with SP375 9mm Suction Cup
SP125	3mm Static-Safe Silicone Suction Cup
SP250	6mm Static-Safe Silicone Suction Cup
SP375	9mm Static-Safe Silicone Suction Cup
SP500	12mm Static-Safe Silicone Suction Cup
SP625	16mm Static-Safe Silicone Suction Cup
SP750	19mm Static-Safe Silicone Suction Cup

Order Code
LP20

VA251

⇒ Vacuum Pick Up System allows users to achieve maximum performance in a self-contained unit. Ultra light weight hand piece accepts a wide variety of suction cups and needle sizes (includes LP265 handpiece).

Accessories

LN251	Small Straight Lifting Needle with SP125 3mm Suction Cup
LN261	Med. Straight Lifting Needle with SP250 6mm Suction Cup
LN271	Large Straight Lifting Needle with SP375 9mm Suction Cup
SP125	3mm Static-Safe Silicone Suction Cup
SP250	6mm Static-Safe Silicone Suction Cup
SP375	9mm Static-Safe Silicone Suction Cup
SP500	12mm Static-Safe Silicone Suction Cup
SP625	16mm Static-Safe Silicone Suction Cup
SP750	19mm Static-Safe Silicone Suction Cup

Order Code
VA251

Tweezers

EP100

⇒ SMD Tweezers with Flat 30° Angled Tips L: 4.5 in (114mm)

Order Code
EP100

EP110

⇒ SMD Tweezers with 40° Angled Tips L: 4.5 in (114mm) Made in Germany.

Order Code
EP110

EP120

⇒ SMD Tweezers with Curved and Pointed Tips. Made in Germany L: 4.80 in. (122mm)

Order Code
EP120

EP130

⇒ SMD Tweezers with Broad Square Tips. L: 4.9 in (124mm) Made in Germany

Order Code
EP130

Magnifier

MA10

⇒ Instantly enlarges the surface of PCB's with solder joints and images and objects
⇒ Hands-free magnification
⇒ Can be worn with or without eye-glasses

⇒ Optical grade acryliclenses
⇒ Distortion-free viewing
⇒ No headaches: simple, confortable, safe
⇒ Double lens for 3d viewing
⇒ Wide field of vision
⇒ Adjustable lens angle
⇒ Avalilable in normal as MA10 and low static version as MA10LS
⇒ **Magnification: 2.5x, 4x, 5x, 7x**

Order Code	Type
MA10	Normal
MA10LS	Low static

Fluxes

FL88

⇒ NO-CLEAN flux in light metal tube
⇒ Excellent for Fine-pitch and SMD application
⇒ Use for hot air and normal soldering
⇒ flux type: F-SW32
⇒ Weight: 20g, 15 ml (rechargable)
⇒ Flash point: 420 °C
⇒ FL-S exchange tip

Order Code
FL88

FL22

⇒ NO-CLEAN flux gel in syringe
⇒ Excellent for Fine-pitch and SMD application
⇒ Use for hot air and normal soldering, mainly for MINI-FLOW tips
⇒ low volatile content
⇒ flux type: F-SW32
⇒ Weight: 20g, 15 ml (rechargable)
⇒ Flash point: 420 °C

Order Code
FL22

Soldering Wires

Leaded Soldering Wires

Type	Alloy	Flux	Diameter (mm)	Weight (gr.)
SU	Sn60 Pb38 Cu2	F-SW 34 No-clean	0,35 / 0,5 / 0,8 / 1,0 / 1,5	100 / 250 / 500 / 1000
SU -S5 (5 channel)	Sn60 Pb38 Cu2	F-SW 34 No-clean	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SU Ag2	Sn62 Pb36 Ag2	F-SW 34 No-clean	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SU E	Sn63 Pb37	F-SW 34 No-clean	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SS	Sn60 Pb40	F-SW 32	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SK	Sn60 Pb38 Cu2	F-SW 26	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000

Lead-Free Soldering Wires

Type	Alloy	Flux	Diameter (mm)	Weight (gr.)
SC	Sn99 Cu1	F-SW 34 No-clean	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SSC	Sn99 Cu1	F-SW 32	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SCR	Sn99 Cu1	F-SW 26	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SA	Sn96 Ag4	F-SW 34 No-clean	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SSA	Sn96 Ag4	F-SW 32	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SAR	Sn96 Ag4	F-SW 26	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SAC	Sn95,5 Ag3,8 Cu0,7	F-SW 34 No-clean	0,35 / 0,5 / 0,8 / 1,0 / 1,5	100 / 250 / 500 / 1000
SSAC	Sn96,5 Ag3 Cu0,5	F-SW 32	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000
SACR	Sn96,6 Ag2,9 Cu0,5	F-SW 26	0,5 / 0,8 / 1,0 / 1,5	250 / 500 / 1000

Desoldering Wires

SW091 Normal Desoldering Wires

⇒ NO-CLEAN
⇒ ESD safe
⇒ Halon-Free

Order Code	Size
SW091/0,6	0,6 mm x 1,5 m
SW091/2,0	2,0 mm x 1,5 m
SW091/0,6/30	0,6 mm x 30 m
SW091/2,0/30	2,0 mm x 30 m
SW091/0,6/500	0,6 mm x 500 m
SW091/1,3	1,3 mm x 1,5 m
SW091/2,5	2,5 mm x 1,5 m
SW091/1,3/30	1,3 mm x 30 m
SW091/2,5/15	2,5 mm x 15 m
SW091/1,3/500	1,3 mm x 500 m

SW021 Lead-Free Desoldering Wires
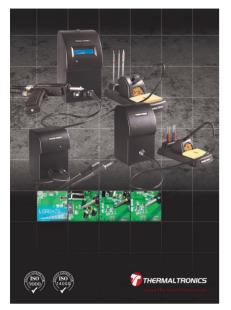
⇒ F-SW 32 NO-CLEAN flux
⇒ ESD safe
⇒ Halon-Free

Order Code	Size
SW021/1,5	1,5 mm x 1,5 m
SW021/2,5	2,5 mm x 1,5 m
SW021/1,5/30	1,5 mm x 30 m
SW021/2,5/15	2,5 mm x 15 m
SW021/2,0	2,0 mm x 1,5 m
SW021/3,0	3,0 mm x 1,5 m
SW021/2,0/30	2,0 mm x 30 m
SW021/3,0/15	3,0 mm x 15 m

With today's delicate and complex electronic assemblies, temperature accuracy is a consistent challenge. Component density, lead size and thermally sensitive components all combine to make process control demands, criteria which many systems fail to meet.

Thermaltronics **CHT (Curie Heat Technology)** is different, it responds to the thermal demands of each solder joint by adjusting the power instantaneously, thereby meeting the exact requirements of the substrate component and solder material.

The Thermaltronics Soldering Product range includes both 13.56 MHz Power Supplies and those which operate at 450KHz. The extended range of power supplies and associated accessories provide users with a wide choice of soldering solutions and ensure full compatibility with existing competitive products.

All Thermaltronics products are produced in accordance with **ISO 9000 & ISO 14000** standards and meet either **TUV, GS, CE or NRTL safety requirements**. Strict quality control procedures are in place and product warranties are among the best in the industry.

The new range of soldering systems and cartridges, engineered by Thermaltronics, also incorporate further improvements in design which optimize power thresholds and provide increased performance and reliability. Advances in plating technology have also ensured reductions in the "cost of ownership" and extended tip life.

To aid in the selection of the correct temperature profile, Thermaltronics solder cartridges are color coded for easy identification. This unique feature has additional benefits in both inventory management and quality control.

**SPEED – QUALITY – COST REDUCTION
INCREASED PRODUCTIVITY**

Other features which have been verified through extensive testing include:

⇒ Improved plating which extends service life and provides cost savings
⇒ Gold plated connectors which improve connectivity and optimize power transmission
⇒ Enhanced cartridge design which achieves faster point to point soldering
⇒ Curie Heat technology which provides stable tip temperatures

SOLDERING STATIONS

TMT-9000S

TMT Part#	Metcal Part #	Description
SHH-1	N/A	Sleep Workstand - TMT-9000S
SHP-1	MX-RM3E, MXH1-AV	ESD Soldering Handle W/RMP-1
TMT-9000PS-1	MX-500P-11	Soldering Iron - Power Supply 100-
TMT-9000PS-2	MX-500P-21	Soldering Iron - Power Supply 220-
TMT-9000S-1	MX-500S-11	Soldering System w/ SHP-1 100-110VAC
TMT-9000S-2	MX-500S-21	Soldering System w/ SHP-1 220-240VAC

DSKIT-1

THERMALTRONICS

Desoldering KIT – DS-KIT-1

TMT Part#	Metcal Part #	Description
DS-KIT-1	MX-D001	Desoldering Kit for TMT-9000S
DS-GUN-1	MX-DS1	Desoldering Handpiece - TMT-9000S
DS-AH-1	MX-DAH4	Desoldering Gun Airhose
DS-CL-1	MX-DCF1L	Chamber Liners (40pcs)
DS-CP-1	MX-DCF1L	Filter Wool (6pcs) & Chamber Liner (15pcs)
DS-CS-1	MX-DSL2	Cartridge Seal (2 Pack)
DS-GS-1	MX-DSL1	Gun Chamber Seal (2 Pack)
DS-FW-1	MX-DCF1F	Filter Wool (20 pairs)
DS-HPC-1	MX-RM8E	Desoldering Gun Handpiece Cable for TMT-9000S
DS-TCT-1	N/A	Tip Cleaning Toolkit for Desoldering Gun
DS-VC-1	MX-DVC-1	Venturi Cartridge
DS-VR-1	N/A	Valve Rod
SHH-3	MX-W5DS	Desoldering Gun Workstand
DS-LA	MX-DLA	Desoldering Gun Latch Adjustment (10 Pack)
DS-OR-1	N/A	Large O-Ring (5 pcs) & Small O-Ring (5 pcs) (Combo Pack) **new**

TWEEZER KIT - 1

THERMALTRONICS

TMT Part#	Description
TZ-KIT-1	Tweezer Kit - TMT-9000S (tweezer, workstand)
SHP-MTZ	Tweezer Handpiece W/RMP-1 - TMT-9000S
SHH-MTZ	Tweezer Workstand - TMT-9000S - MTZ Series

TMT-5000S

THERMALTRONICS

TMT Part#	Description
CC-1	Connection Cable
SHH-2	Workstand w/Connection Cable
SHP-T	ESD Forrasztópáka w/RMP-1
TMT-5000PS-1	Soldering Iron Power Supply 100-110 VAC
TMT-5000PS-2	Soldering Iron Power Supply 220-240 VAC
TMT-5000S-1	Soldering Iron Complete System 100-110 VAC
TMT-5000S-2	Soldering Iron Complete System 220-240 VAC

Desoldering KIT - DS-KIT-2

THERMALTRONICS

TMT Part#	Description
DS-KIT-2	Desoldering Kit for TMT-5000S
DS-GUN-2	Desoldering Handpiece - TMT-5000S
DS-AH-1	Desoldering Gun Airhose
DS-CL-1	Chamber Liners (40pcs)
DS-CP-1	Filter Wool (6pairs) & Chamber Liner (15pcs) (Combo Pack)
DS-CS-1	Cartridge Seal (2 Pack)
DS-GS-1	Gun Chamber Seal (2 Pack)
DS-FW-1	Filter Wool (20pairs)
DS-HPC-1	Handpiece Cable for TMT-5000S Desoldering Gun
DS-TCT-1	Tip Cleaning Toolkit for Desoldering Gun
DS-VC-1	Venturi Cartridge
DS-VR-1	Valve Rod
SHH-3	Desoldering Gun Workstand
DS-LA	Desoldering Gun Latch Adjustment (10 Pack)
DS-OR-1	Large O-Ring (5 pcs) & Small O-Ring (5 pcs) (Combo Pack) new

TWEEZER KIT - 2

THERMALTRONICS

TMT Part#	Description
TZ-KIT-2	Tweezer Kit - TMT-5000S (tweezer, workstand)
SHP-TTZ	Tweezer Handpiece W/RMP-1 - TMT-5000S
SHH-TTZ	Tweezer Workstand - TMT-5000S - TTZ Series

TMT-2000S

THERMALTRONICS

TMT Part#	Metcal part#	Description
TMT-2000S-K	PS800 (PHT), PS900 (SxV)	Soldering Iron SHP-K - Complete System 100-240VAC
TMT-2000S-KM	MFR-1120, MFR-2220, MFR-2222	Soldering Iron w/SHP-KM - Complete System 100-240VAC
TMT-2000S-P	PS800 (PHT), PS900 (SxV)	Soldering Iron w/SHP-P - Complete System 100-240VAC
TMT-2000S-PM	MFR-1110, MFR-1161, MFR-1351, MFR-2210, MFR-2211, MFR-2241	Soldering Iron w/SHP-PM - Complete System 100-240VAC
TMT-2000S-SM	MFR-1160, MFR-1161	Soldering Iron w/SHP-SM - Complete System 100-240VAC
TMT-2000S-DT	MFR-1150, MFR-1350, MFR-1351	Soldering Iron w/ Desoldering Gun - Complete System 100-240VAC
TMT-2000S-TZ	MFR-1140, MFR-2240, MFR-2241	Soldering Iron w/ Tweezers - Complete System 100-240VAC
TMT-2000PS	MFR-PS1100	Soldering Iron Power Supply 100-240VAC

TMT Part#	Metcal part#	Description
CC-1	N/A	Connection Cable
SHH-4	N/A	Workstand w/Connection Cable
SHP-K	N/A	ESD Soldering Handle W/ RMP-1 for TMT-2000S, PS900
SHP-KM	N/A	ESD Soldering Handle W/ RMP-1 for TMT-2000S, MFR Systems
SHP-P	N/A	ESD Soldering Handle W/ RMP-1 for TMT-2000S, PS900
SHP-PM	MFR-H1-SC, MFR-HSR	ESD Soldering Handle W/ RMP-1 for TMT-2000S, MFR Systems
SHP-SM	MFR-H6-SSC	ESD Soldering Handle W/ RMP-1 for TMT-2000S, MFR Systems
SHH-5	N/A	Sleep Workstand - TMT-2000S new
TMT-METER-1	N/A	Power Meter for TMT-2000S new

Desoldering KIT - DS-KIT-3

TMT Part#	Description
DS-KIT-3	Desoldering Kit for TMT-2000S
DS-GUN-3	Desoldering Handpiece - TMT-2000S
DS-AH-1	Desoldering Gun Airhose
DS-CL-1	Chamber Liners (40pcs)
DS-CP-1	Filter Wool (6pairs) & Chamber Liner (15pcs) (Combo Pack)
DS-CS-1	Cartridge Seal (2 Pack)
DS-GS-1	Gun Chamber Seal (2 Pack)
DS-FW-1	Filter Wool (20pairs)
DS-HPC-3	Handpiece Cable for TMT-2000S Desoldering Gun
DS-TCT-1	Tip Cleaning Toolkit for Desoldering Gun
DS-VC-1	Venturi Cartridge
DS-VR-1	Valve Rod
SHH-3	Desoldering Gun Workstand
DS-LA	Desoldering Gun Latch Adjustment (10 Pack)
DS-OR-1	Large O-Ring (5 pcs) & Small O-Ring (5 pcs) (Combo Pack) **new**

TWEEZER KIT - 3

TMT Part#	Description
TZ-KIT-3	Tweezer Kit - TMT-2000S (tweezer, workstand)
SHP-KTZ	Tweezer Handpiece W/RMP-1 - TMT-2000S
SHH-KTZ	Tweezer Workstand - TMT-2000S - KTZ Series

TIP TINNER - TMT-TC-2

Thermaltronics TMT-TC-2 Tip Tinners is a compressed tablet of pure tin and an ammonia free flux formulation in a metal container with lid. It has a self adhesive pad on the underside to allow it to be affixed on, or near the work station.

Thermaltronics TMT-TC-2 Tip Tinners provide fast, efficient cleaning and re-tinning of blackened and highly oxidised soldering iron tips, safely and efficiently.

Order Code

TMT-TC-2

OTHER DEVICES

PREHEATERS

TMT-PH300

TMT-PH200

TMT Part#	Description
TMT-PH200	Preheater - Infrared, 600W (Medium) 220-240 VAC **new**
TMT-PH300	Preheater - Infrared, 850W (Medium) 220-240 VAC **new**
PH-KTC-1	Thermocouples - K Type (2 Pack) **new**
PH-HE200	Heating Element for TMT-PH200 **new**
PH-HE300	Heating Element for TMT-PH300 **new**

HOT AIR TOOLS

TMT-HA200

TMT-HA300

TMT Part#	Metcal part#	Description
TMT-HA200	N/A	Hot Air Tool - Ceramic 220-240 VAC **new**
TMT-HA300	N/A	Hot Air Tool - Ceramic 220-240 VAC **new**
HA-HE200	N/A	Heating Element for TMT-HA200
HA-HE300	N/A	Heating Element for TMT-HA300
HA-PU200	N/A	Fan for TMT-HA200
HTN-KIT-1	NZKT-1	Yellow, Sponge, (3.2" X 2.1") (5 PACK)
HTN-KIT-2	NZKT-2	Yellow, Sponge, (3.2" X 2.1") (10 PACK)

SOLDERING SYSTEM ACCESSORIES

TMT-TC-2
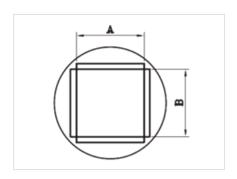
TMT Part#	Metcal part#	Description
BC-10	AC-BP, AC-BP2	Brass Curls - 12 grams/ea (10 pack)
RMP-1	AC-CP2	Cartridge Removal Pad
SG-1-GR	N/A	Handpiece Grip - Green
SG-1-GY	N/A	Handpiece Grip - Grey
SG-1-BK	N/A	Handpiece Grip - Black
SPG-5	AC-Y10	Yellow, Sponge, (3.2" X 2.1") (5 PACK)
SPG-10	AC-YS3-P	Yellow, Sponge, (3.2" X 2.1") (10 PACK)
SPG-50	N/A	Yellow, Sponge, (3.2" X 2.1") (50 PACK)
SHP-S	SP-HC1	ESD Soldering Handle W/ RMP-1 for SP200
TMT-TC-2	N/A	Tip Tinner

NOZZLES FOR TMT HA-200

NOZZLES - PLCC, BQFP, QFP

THERMALTRONICS
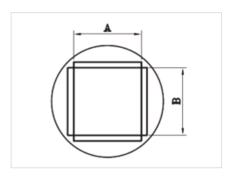
TMT Part#	Metcal part#	Description
HTN-PL20	H-P20	Nozzle 11.9mm x
HTN-PL28	H-P28	Nozzle 14.5mm x
HTN-PL32	H-P32	Nozzle 16.9mm x
HTN-PL44	H-P44	Nozzle 19.5mm x
HTN-PL52	H-P52	Nozzle 22.0mm x
HTN-PL68	H-P68	Nozzle 27.0mm x
HTN-PL84	H-P84	Nozzle 32.4mm x
HTN-QF48	H-Q07	Nozzle 8.4mm x
HTN-QF44	H-Q10	Nozzle 13.4mm x
HTN-QF80	H-Q14	Nozzle 17.3mm x
HTN-QF100	H-Q1420	Nozzle 23.4mm x 18.1mm, QFP-64,80,100
HTN-QF160	H-Q28	Nozzle 31.2mm x 31.2mm, QFP-120,128,144,160
HTN-BQ100	H-BQ23	Nozzle 22.4mm x
HTN-QF240	H-Q3232	Nozzle 34.5mm x
HTN-BQ196	H-BQ38	Nozzle 37.7mm x
HTN-QF208	H-Q2626	Nozzle 29.8mm x

NOZZLES - BGA

THERMALTRONICS
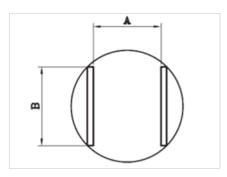
TMT Part#	Metcal part#	Description
HTN-B1010	N/A	Nozzle 10.0mm x
HTN-B1313	N/A	Nozzle 13.0mm x
HTN-B1616	N/A	Nozzle 16.0mm x
HTN-B1919	N/A	Nozzle 19.0mm x
HTN-B2828	N/A	Nozzle 28.0mm x
HTN-B3030	N/A	Nozzle 30.0mm x
HTN-B3232	N/A	Nozzle 32.0mm x
HTN-B3636	N/A	Nozzle 36.0mm x
HTN-B3939	N/A	Nozzle 39.0mm x
HTN-B4141	N/A	Nozzle 41.0mm x
HTN-B4343	N/A	Nozzle 43.0mm x
HTN-B4545	N/A	Nozzle 45.0mm x

NOZZLES FOR TMT HA-200

NOZZLES - SOIC, TSOP

THERMALTRONICS
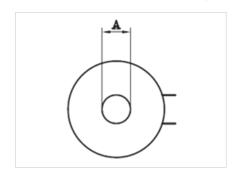
TMT Part#	Metcal part#	Description
HTN-SC16	H-S16	Nozzle 6.8mm x 10.2mm, SOIC 14, 16
HTN-SL16	H-SL16	Nozzle 10.6mm x 10.8mm, SOL 14, 16
HTN-SL20	H-SL20	Nozzle 10.6mm x 13.3mm, SOL 20, 20J
HTN-SL24	H-SL24	Nozzle 10.6mm x 15.9mm, SOL 24, 24J
HTN-SL28	H-SL28	Nozzle 10.6mm x 18.4mm, SOL 28
HTN-SL44	H-SL44	Nozzle 16.0mm x 27.9mm, SOL 44
HTN-SJ32	H-SOJ32	Nozzle 13.5mm x 20.6mm, SOJ 32
HTN-SJ40	H-SOJ40	Nozzle 13.5mm x 25.4mm, SOJ 40
HTN-TS24	H-TS24	Nozzle 17.0mm x 7.1mm, TSOP 20-24 PIN
HTN-TS32	H-TS32	Nozzle 21.0mm x 9.1mm, TSOP 28-32 PIN
HTN-TS48	H-TS48	Nozzle 21.0mm x 13.3mm, TSOP 48 PIN

NOZZLES - STANDARD

THERMALTRONICS
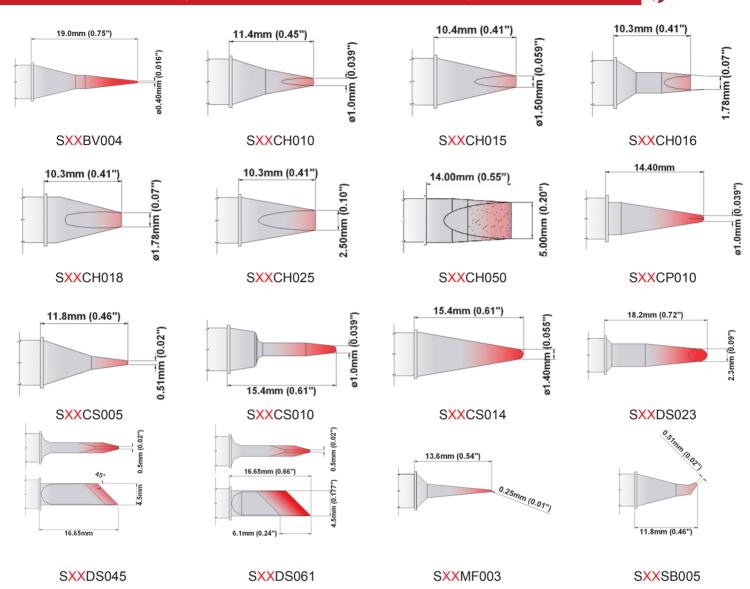
TMT Part#	Metcal part#	Description
HTN-D30	H-D25	Nozzle 3.0mm
HTN-D50	H-D50	Nozzle 5.0mm
HTN-D80	N/A	Nozzle 8.0mm
HTN-D100	N/A	Nozzle 10.0mm

S SERIES TIP CARTRIDGES (TMT-2000S STATIONS / METCAL/OKI SP200)

THERMALTRONICS

SXXBV004

SXXCH010

SXXCH015

SXXCH016

SXXCH018

SXXCH025

SXXCH050

SXXCP010

SXXCS005

SXXCS010

SXXCS014

SXXDS023

SXXDS045

SXXDS061

SXXMF003

SXXSB005

S SERIES - MICRO FINE TIPS

THERMALTRONICS

600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	
TT Part#	TT Part#	TT Part#	Desc
S60CH006	S75CH006	S80CH006	Chisel 30° 0.6mm (0.024") **new**
S60CH008	S75CH008	S80CH008	Chisel 30° 0.8mm (0.031") **new**
S60C001	S75C001	S80C001	Conical 0.10mm (0.004") **new**
S60C002	S75C002	S80C002	Conical 0.20mm (0.008") **new**
S60C004	S75C004	S80C004	Conical 0.40mm (0.016") **new**
S60BV007	S75BV007	S80BV007	Bevel 60° 0.7mm (0.028") **new**
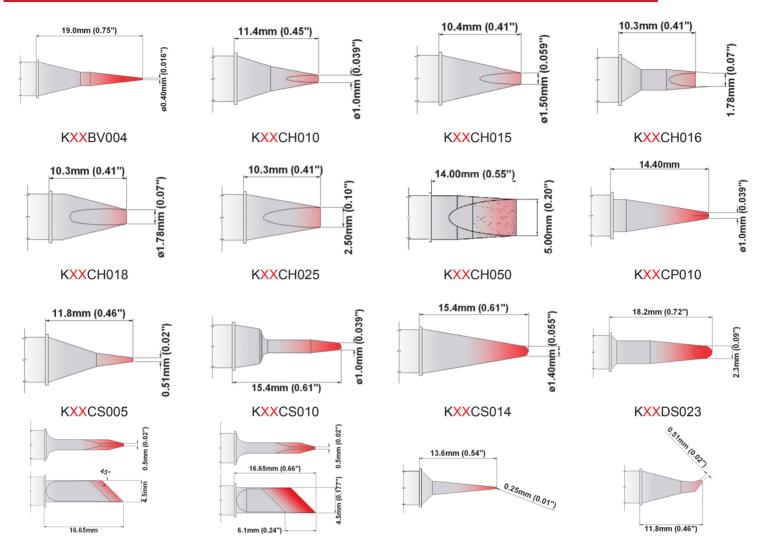
S SERIES TIP CARTRIDGES (TMT-2000S, SP200, MFR SYSTEMS)

THERMALTRONICS

600°F Type Cartridges (325°C - 358°C)		700°F Type Cartridges (350°C - 398°C)		800°F Type Cartridges (420°C - 475°C)		
TT Part#	Original Part#	TT Part#	Original Part#	TT Part#	Original Part#	Description
S60BV004	SSC-645A	S75BV004	SSC-745A	S80BV004	SSC-845A	Conical 0.4mm (0.016")
S60BV011	N/A	S75BV011	N/A	S80BV011	N/A	Bevel 60° 1.10mm (0.04")
S60BV020	N/A	S75BV020	N/A	S80BV020	N/A	Bevel 45° 2.00mm (0.08") **new**
S60BV030	N/A	S75BV030	N/A	S80BV030	N/A	Bevel 45° 3.00mm (0.12") **new**
S60BV040	N/A	S75BV040	N/A	S80BV040	N/A	Bevel 45° 4.00mm (0.16") **new**
S60BV050	N/A	S75BV050	N/A	S80BV050	N/A	Bevel 45° 5.00mm (0.20") **new**
S60BV060	N/A	S75BV060	N/A	S80BV060	N/A	Ferde 45° 6.00mm (0.24") **new**
S60BVF010	N/A	S75BVF010	N/A	S80BVF010	N/A	Bevel 60° 1.00mm (0.04"), Tin Area Face Only **new**
S60BVF020	N/A	S75BVF020	N/A	S80BVF020	N/A	Bevel 45° 2.00mm (0.08"), Tin Area Face Only **new**
S60BVF030	N/A	S75BVF030	N/A	S80BVF030	N/A	Bevel 45° 3.00mm (0.12"), Tin Area Face Only **new**
S60BVF050	N/A	S75BVF050	N/A	S80BVF050	N/A	Bevel 45° 5.00mm (0.20"), Tin Area Face Only **new**
S60BVF060	N/A	S75BVF060	N/A	S80BVF060	N/A	Bevel 45° 6.00mm (0.24"), Tin Area Face Only **new**
S60CB012	N/A	S75CB012	N/A	S80CB012	N/A	Chisel Bent 30° 1.2mm (0.05") **new**
S60CH010	SSC-625A	S75CH010	SSC-725A	S80CH010	SSC-825A	Chisel 30° 1.0mm (0.04")
S60CH010A	SSC-671A	S75CH010A	SSC-771A	S80CH010A	SSC-871A	Chisel 30° 1.0mm (0.04") **new**
S60CH015	SSC-638A	S75CH015	SSC-738A	S80CH015	SSC-838A	Chisel 30° 1.50mm (0.06")
S60CH016	SSC-672A	S75CH016	SSC-72A	S80CH016	SSC-872A	Chisel 30° 1.78mm (0.07")
S60CH018	SSC-637A	S75CH018	SSC-737A	S80CH018	SSC-837A	Chisel 30° 1.78mm (0.07")
S60CH025	SSC-636A	S75CH025	SSC-736A	S80CH025	SSC-836A	Chisel 30° 2.5mm (0.10")
S60CH032	N/A	S75CH032	N/A	S80CH032	N/A	Chisel 90° 3.20mm (0.13")
S60CH032A	N/A	S75CH032A	N/A	S80CH032A	N/A	Chisel 30° 3.20mm (0.13") **new**
S60CH050	SSC-617A	S75CH050	SSC-717A	S80CH050	SSC-817A	Chisel Extra Large 5.0mm (0.20")
S60CP010	SSC-606P	S75CP010	SSC-706P	S80CP010	SSC-806P	Conical Sharp 1.0mm (0.04")
S60CS005	SSC-622A	S75CS005	SSC-722A	S80CS005	SSC-822A	Conical Sharp 0.5mm (0.02")
S60CS010	SSC-601A	S75CS010	SSC-701A	S80CS010	SSC-801A	Conical Sharp 1.00mm (0.04")
S60CS014	SSC-674A	S75CS014	SSC-774A	S80CS014	SSC-874A	Conical Sharp 1.4mm (0.055")
S60DS023	SSC-639A	S75DS023	SSC-739A	S80DS023	SSC-839A	Hoof 60° 3.10mm (0.122")
S60DS035	N/A	S75DS035	N/A	S80DS035	N/A	Knife 3.50mm (0.138") **new**
S60DS045	SSC-661A	S75DS045	SSC-761A	S80DS045	SSC-861A	Knife 4.50mm (0.177")
S60DS061	SSC-673A	S75DS061	SSC-773A	S80DS061	SSC-873A	Knife 4.50mm (0.177"), Increased Tin Area 6.1mm (0.24")
S60MF003	SSC-690A	S75MF003	SSC-790A	S80MF003	SSC-890A	Micro Fine 0.25mm (0.01")
S60SB005	SSC-626A	S75SB005	SSC-726A	S80SB005	SSC-826A	Bent Sharp 30° 0.51mm (0.02")
S60WV031	N/A	S75WV031	N/A	S80WV031	N/A	Hoof w/Dent 60° 3.10mm (0.122")
S60WV080	N/A	S75WV080	N/A	N/A	N/A	Hoof w/Dent 45° 8.00mm (0.12")

THERMALTRONICS SOLDERING TECHNOLOGY

THERMALTRONICS

19.0mm (0.75")
ø0.40mm (0.016")
KXXBV004

11.4mm (0.45")
ø1.0mm (0.039")
KXXCH010

10.4mm (0.41")
ø1.50mm (0.059")
KXXCH015

10.3mm (0.41")
1.78mm (0.07")
KXXCH016

10.3mm (0.41")
ø1.78mm (0.07")
KXXCH018

10.3mm (0.41")
2.50mm (0.10")
KXXCH025

14.00mm (0.55")
5.00mm (0.20")
KXXCH050

14.40mm
ø1.0mm (0.039")
KXXCP010

11.8mm (0.46")
0.51mm (0.02")
KXXCS005

15.4mm (0.61")
ø1.0mm (0.039")
15.4mm (0.61")
KXXCS010

15.4mm (0.61")
ø1.40mm (0.055")
KXXCS014

18.2mm (0.72")
2.3mm (0.09")
KXXDS023

0.5mm (0.02")
45°
4.5mm
16.65mm

0.5mm (0.02")
16.65mm (0.66")
4.5mm (0.177")
6.1mm (0.24")

13.6mm (0.54")
0.25mm (0.01")

0.51mm (0.02")
11.8mm (0.46")

K SERIES - STANDARD TIPS FOR TMT-2000S

THERMALTRONICS

600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	
TT Part#	TT Part#	TT Part#	Description
K60BV004	K75BV004	K80BV004	Conical 0.4mm (0.016")
K60BV011	K75BV011	K80BV011	Bevel 60° 1.10mm (0.04")
K60BV020	K75BV020	K80BV020	Bevel 45° 2.00mm (0.08") **new**
K60BV030	K75BV030	K80BV030	Bevel 45° 3.00mm (0.12") **new**
K60BV040	K75BV040	K80BV040	Bevel 45° 4.00mm (0.16") **new**
K60BV050	K75BV050	K80BV050	Bevel 45° 5.00mm (0.20") **new**
K60BV060	K75BV060	K80BV060	Bevel 45° 6.00mm (0.24") **new**
K60BVF010	K75BVF010	K80BVF010	Bevel 60° 1.00mm (0.04"), Tin Area Face Only **new**
K60BVF020	K75BVF020	K80BVF020	Bevel 45° 2.00mm (0.08"), Tin Area Face Only **new**
K60BVF030	K75BVF030	K80BVF030	Bevel 45° 3.00mm (0.12"), Tin Area Face Only **new**
K60BVF050	K75BVF050	K80BVF050	Bevel 45° 5.00mm (0.20"), Tin Area Face Only **new**
K60BVF060	K75BVF060	K80BVF060	Bevel 45° 6.00mm (0.24"), Tin Area Face Only **new**
K60CB012	K75CB012	K80CB012	Chisel Bent 30° 1.2mm (0.05") **new**
K60CH010	K75CH010	K80CH010	Chisel 30° 1.0mm (0.04")
K60CH010A	K75CH010A	K80CH010A	Chisel 30° 1.0mm (0.04") **new**
K60CH015	K75CH015	K80CH015	Chisel 30° 1.50mm (0.06")
K60CH016	K75CH016	K80CH016	Chisel 30° 1.178mm (0.07")
K60CH018	K75CH018	K80CH018	Chisel 30° 1.178mm (0.07")
K60CH025	K75CH025	K80CH025	Chisel 30° 2.5mm (0.10")
K60CH032	K75CH032	K80CH032	Chisel 90° 3.20mm (0.13")
K60CH032A	K75CH032A	K80CH032A	Chisel 30° 3.20mm (0.13") **new**
K60CH050	K75CH050	K80CH050	Chisel 30° 5.0mm (0.20")
K60CP010	K75CP010	K80CP010	Conical Sharp 1.0mm (0.04")
K60CS005	K75CS005	K80CS005	Conical Sharp 0.5mm (0.02")
K60CS010	K75CS010	K80CS010	Conical Sharp 1.00mm (0.04")
K60CS014	K75CS014	K80CS014	Conical Sharp 1.4mm (0.055")
K60DS023	K75DS023	K80DS023	Hoof 60° 3.10mm (0.122")
K60DS035	K75DS035	K80DS035	Knife 3.50mm (0.138") **new**
K60DS045	K75DS045	K80DS045	Knife 4.50mm (0.177")
K60DS061	K75DS061	K80DS061	Knife 4.50mm (0.177"), Increased Tin Area 6.1mm (0.24")
K60MF003	K75MF003	K80MF003	Micro Fine 0.25mm (0.01")
K60SB005	K75SB005	K80SB005	Bent Sharp 30° 0.51mm (0.02")
K60WV031	K75WV031	K80WV031	Hoof w/Dent 60° 3.10mm (0.122")
K60WV080	K75WV080	N/A	Hoof w/Dent 45° 8.00mm (0.31")

K SERIES - MICRO FINE TIPS FOR TMT-2000S

THERMALTRONICS

600°F Type Cartridges (325°C - 358°C) TT Part#	700°F Type Cartridges (350°C - 398°C) TT Part#	800°F Type Cartridges (420°C - 475°C) TT Part#	Description
K60CH006	K75CH006	K80CH006	Chisel 30° 0.6mm (0.024")
K60CH008	K75CH008	K80CH008	Chisel 30° 0.8mm (0.031")
K60C001	K75C001	K80C001	Conical 0.10mm (0.004")
K60C002	K75C002	K80C002	Conical 0.20mm (0.008")
K60C004	K75C004	K80C004	Conical 0.40mm (0.016")
K60BV007	K75BV007	K80BV007	Bevel 45° 0.7mm (0.028")

KDT SERIES - DESOLDERING TIPS FOR TMT-2000S

THERMALTRONICS

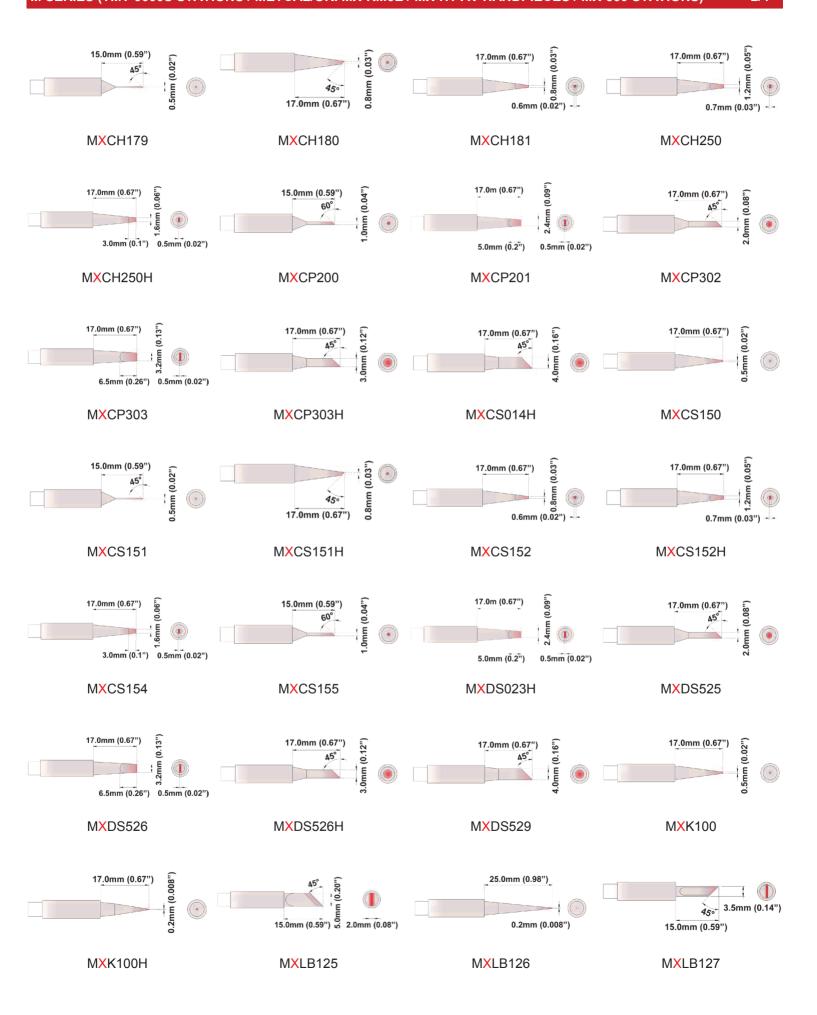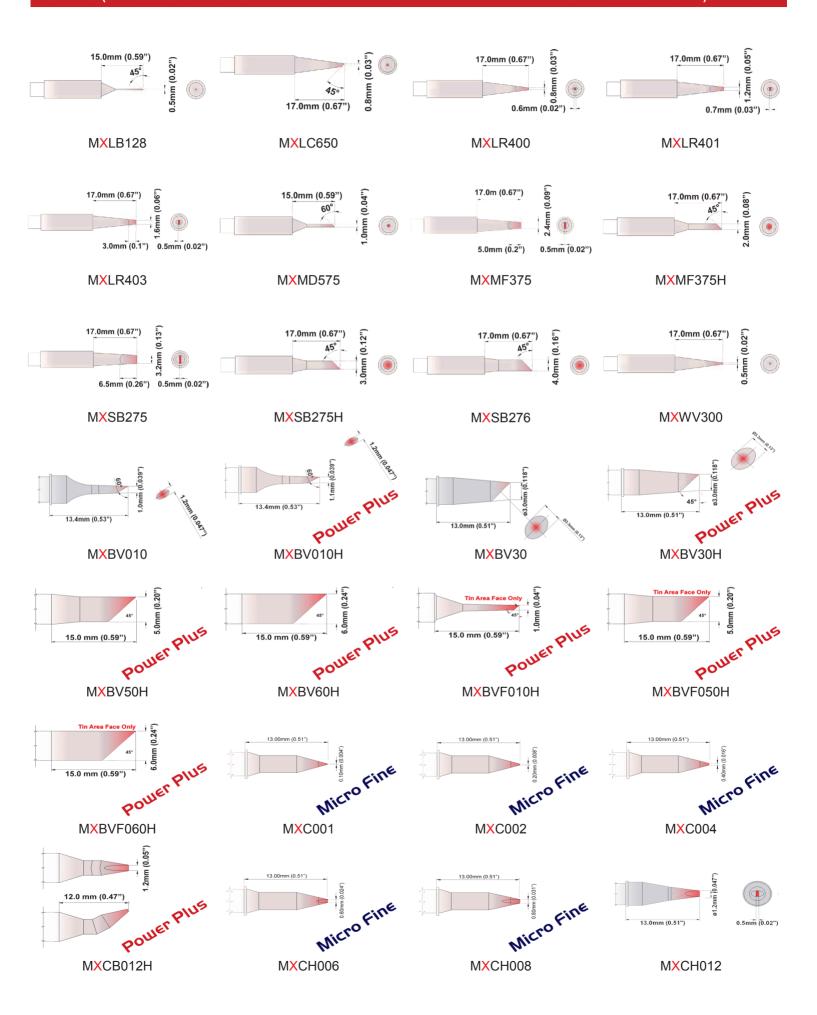| 600°F Type Cartridges (325°C - 358°C) TT Part#	700°F Type Cartridges (350°C - 398°C) TT Part#	800°F Type Cartridges (420°C - 475°C) TT Part#	Description
K60DT003	K75DT003	K80DT003	Desoldering Tip - Inner Diameter 0.80mm (0.03")
K60DT003L	K75DT003L	K80DT003L	Desoldering Tip - Inner Diameter 0.80mm (0.03"), Long Reach
K60DT004	K75DT004	K80DT004	Desoldering Tip - Inner Diameter 1.10mm (0.04")
K60DT004L	K75DT004L	K80DT004L	Desoldering Tip - Inner Diameter 1.10mm (0.04"), Long Reach
K60DT005	K75DT005	K80DT005	Desoldering Tip - Inner Diameter 1.35mm (0.05")
K60DT005L	K75DT005L	K80DT005L	Desoldering Tip - Inner Diameter 1.35mm (0.05"), Long Reach **new**
K60DT006	K75DT006	K80DT006	Desoldering Tip - Inner Diameter 1.50mm (0.06")
K60DT007	K75DT007	K80DT007	Desoldering Tip - Inner Diameter 2.40mm (0.095")

KTZ SERIES - TWEEZER TIPS FOR TMT-2000S

THERMALTRONICS

600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	Description
TT Part#	TT Part#	TT Part#	
K60TZ003	K70TZ003	K80TZ003	Tweezers Cartridge Pair - Micro Fine 0.25mm (0.01")
K60TZ004	K70TZ004	K80TZ004	Tweezers Cartridge Pair - Bent 30° Sharp 0.4mm (0.016")
K60TZ010	K70TZ010	K80TZ010	Tweezers Cartridge Pair - Conical Sharp 1.0mm (0.04")
K60TZ010B	K70TZ010B	K80TZ010B	Tweezers Cartridge Pair - Chisel 1.00mm (0.04")
K60TZ015	K70TZ015	K80TZ015	Tweezers Cartridge Pair - Chisel 1.5mm (0.06")
K60TZ018	K70TZ018	K80TZ018	Tweezers Cartridge Pair - Long Reach Chisel 1.78mm (0.07")
K60TZ018B	K70TZ018B	K80TZ018B	Tweezers Cartridge Pair - Chisel 1.78mm (0.07")
K60TZ025	K70TZ025	K80TZ025	Tweezers Cartridge Pair - Knife Tinned area 2.03mm (0.08")
K60TZ100	K70TZ100	K80TZ100	Tweezers Cartridge Pair - Blade Tip 10.41mm (0.41")
K60TZ160	K70TZ160	K80TZ160	Tweezers Cartridge Pair - Blade Tip 15.75mm (0.62")
K60TZ220	K70TZ220	K80TZ220	Tweezers Cartridge Pair - Blade Tip 22.10mm (0.87")

M SERIES (TMT-9000S STATIONS / METCAL/OKI MX-RM3E / MX-H1-AV HANDPIECES / MX-500 STATIONS)   1/4

THERMALTRONICS

MXB325

MXBV007

MXBV350

MXC300

MXC300H

MXC301

MXCB225

MXCB226

MXCH175

MXCH175H

MXCH176

MXCH176H

MXCH177

MXCH177H

MXCH178

MXCH178H

MXCH179	MXCH180	MXCH181	MXCH250
MXCH250H	MXCP200	MXCP201	MXCP302
MXCP303	MXCP303H	MXCS014H	MXCS150
MXCS151	MXCS151H	MXCS152	MXCS152H
MXCS154	MXCS155	MXDS023H	MXDS525
MXDS526	MXDS526H	MXDS529	MXK100
MXK100H	MXLB125	MXLB126	MXLB127

MXLB128

MXLC650

MXLR400

MXLR401

MXLR403

MXMD575

MXMF375

MXMF375H

MXSB275

MXSB275H

MXSB276

MXWV300

MXBV010

MXBV010H

MXBV30

MXBV30H

MXBV50H

MXBV60H

MXBVF010H

MXBVF050H

MXBVF060H

MXC001

MXC002

MXC004

MXCB012H

MXCH006

MXCH008

MXCH012

Power Plus

MXCH032H

MXCH052

MXCP202

MXLR401

Power Plus

MXDS035H

MXWV020

MXWV031

MXXDT003

MXXDT003L

MXXDT004

MXXDT005

MXXDT005L

MXXDT006

MXXDT007

THERMALTRONICS SOLDERING TECHNOLOGY

M SERIES - STANDARD TIPS FOR TMT-9000S

THERMALTRONICS

P = Optimised geometry for best thermal performance

600°F Type Cartridges (325°C - 358°C)		700°F Type Cartridges (350°C - 398°C)		800°F Type Cartridges (420°C - 475°C)		Description
TT Part#	Original Part#	TT Part#	Original Part#	TT Part#	Original Part#	
M6B325	STTC-040	M7B325	STTC-140	M8B325	STTC-840	Bent Sharp 30° 0.4mm (0.016")
M6BS602	STTC-047P	M7BS602	STTC-147P	M8BS602	STTC-847P	Bevel 60° 1.8mm (0.07")
M6BV010	N/A	M7BV010	N/A	M8BV010	N/A	Bevel 60° 1.00mm (0.04")
M6BV030	N/A	M7BV030	N/A	M8BV030	N/A	Bevel 45° 3.00mm (0.12")
M6BV350	STTC-047	M7BV350	STTC-147	M8BV350	STTC-847	Bevel 60° 1.78mm (0.07")
M6C300	STTC-045	M7C300	STTC-145	M8C300	STTC-845	Conical 0.4mm (0.016")
M6C301	STTC-016	M7C301	STTC-116	M8C301	STTC-816	Conical 0.5mm (0.02")
M6CB225	STTC-098	M7CB225	STTC-198	M8CB225	STTC-898	Chisel Bent 30° 1.78mm (0.07")
M6CB226	STTC-099	M7CB226	STTC-199	M8CB226	STTC-899	Chisel Bent 30° 1.5mm (0.06")
M6CH012	N/A	M7CH012	N/A	M8CH012	N/A	Chisel 30° 1.20mm (0.047") **new**
M6CH052	N/A	M7CH052	N/A	M8CH052	N/A	Chisel 30° 5.20mm (0.20") **new**
M6CH175	STTC-036	M7CH175	STTC-136	M8CH175	STTC-836	Chisel 30° 2.5mm (0.10")
M6CH176	STTC-037	M7CH176	STTC-137	M8CH176	STTC-837	Chisel 30° 1.78mm (0.07")
M6CH177	STTC-038	M7CH177	STTC-138	M8CH177	STTC-838	Chisel 30° 1.5mm (0.06")
M6CH178	STTC-025	M7CH178	STTC-125	M8CH178	STTC-825	Chisel 30° 1.0mm (0.04")
M6CH179	STTC-025P	M7CH179	STTC-125P	M8CH179	STTC-825P	Chisel 30° 1.0mm (0.04")
M6CH180	STTC-003	M7CH180	STTC-103	M8CH180	STTC-803	Chisel 90° 3.0mm (0.12")
M6CH181	STTC-013	M7CH181	STTC-113	M8CH181	STTC-813	Chisel 90° 3.0mm (0.12")
M6CH250	STTC-017	M7CH250	STTC-117	M8CH250	STTC-817	Chisel Extra Large 5.0mm (0.20")
M6CP200	STTC-036P	M7CP200	STTC-136P	M8CP200	STTC-836P	Chisel 30° 2.5mm (0.10")
M6CP201	STTC-037P	M7CP201	STTC-137P	M8CP201	STTC-837P	Chisel 30° 1.80mm (0.07")
M6CP302	STTC-045P	M7CP302	STTC-145P	M8CP302	STTC-845P	Conical 0.4mm (0.016")
M6CP303	STTC-001P	M7CP303	STTC-101P	M8CP303	STTC-801P	Conical Sharp 1.0mm (0.04")
M6CS150	STTC-006	M7CS150	STTC-106	M8CS150	STTC-806	Conical Sharp 0.4mm (0.016")
M6CS151	STTC-001	M7CS151	STTC-101	M8CS151	STTC-801	Conical Sharp 1.0mm (0.04")
M6CS152	STTC-022	M7CS152	STTC-122	M8CS152	STTC-822	Conical Sharp 0.4mm (0.016")
M6CS154	STTC-007	M7CS154	STTC-107	M8CS154	STTC-807	Conical Sharp 1.0mm (0.04")
M6CS155	STTC-043	M7CS155	STTC-143	M8CS155	STTC-843	Conical Sharp 0.5mm (0.02")
M6DS525	SMTC-0147	M7DS525	SMTC-1147	M8DS525	SMTC-8147	Hoof 60° 3.3mm (0.13")
M6DS526	SMTC-0173	M7DS526	SMTC-1173	M8DS526	SMTC-8173	Knife 4.83mm (0.19"), Increased Tin Area
M6DS529	SMTC-0167	M7DS529	SMTC-1167	M8DS529	SMTC-8167	Hoof 60° 1.52mm (0.06")
M6K047	N/A	M7K047	N/A	M8K047	N/A	Knife 4.70mm (0.185") **new**
M6K100	SMTC-0161	M7K100	SMTC-1161	M8K100	SMTC-8161	Knife 4.83mm (0.19"), Tin Area 2.03mm (0.08")
M6LB125	SMTC-060	M7LB125	SMTC-160	M8LB125	SMTC-860	Blade Tip 10.41mm (0.41")
M6LB126	SMTC-061	M7LB126	SMTC-161	M8LB126	SMTC-861	Blade Tip 15.75mm (0.62")
M6LB127	SMTC-062	M7LB127	SMTC-162	M8LB127	SMTC-862	Blade Tip 22.1 mm (0.87")
M6LB128	N/A	M7LB128	N/A	N/A	N/A	Blade Tip 30.00 mm (1.18")
M6LC650	STTC-065	M7LC650	STTC-165	M8LC650	STTC-865	Chisel Extra Large 5.0mm (0.20")
M6LR400	STTC-046	M7LR400	STTC-146	M8LR400	STTC-846	Bevel 60° Long Reach 1.0mm (0.04")
M6LR401	SMTC-0170	M7LR401	SMTC-1170	M8LR401	SMTC-8170	Hoof Long Reach 60° 3.05mm (0.12")
M6LR403	STTC-042	M7LR403	STTC-142	M8LR403	STTC-842	Chisel 60° Long Reach 1.78mm (0.07")

M SERIES - STANDARD TIPS FOR TMT-9000S

THERMALTRONICS

P = Optimised geometry for best thermal performance

600°F Type Cartridges (325°C - 358°C)		700°F Type Cartridges (350°C - 398°C)		800°F Type Cartridges (420°C - 475°C)		Description
TT Part#	Original Part#	TT Part#	Original Part#	TT Part#	Original Part#	
M6MD575	SMTC-0172	M7MD575	SMTC-1172	M8MD575	SMTC-8172	Hook Long 30° Fine 0.51mm (.02")
M6MF375	STTC-090	M7MF375	STTC-190	M8MF375	STTC-890	Micro Fine 0.25mm (0.01")
M6SB275	STTC-026	M7SB275	STTC-126	M8SB275	STTC-826	Bent Sharp 30° 0.4mm (0.016")
M6SB276	STTC-044	M7SB276	STTC-144	M8SB276	STTC-844	Bent Sharp 30° 0.5mm (0.02")
M6WV020	N/A	M7WV020	N/A	M8WV020	N/A	Hoof w/Dent 45° 2.00mm (0.08")
M6WV031	N/A	M7WV031	N/A	M8WV031	N/A	Hoof w/Dent 60° 3.10mm (0.122")
M6WV300	N/A	M7WV300	N/A	M8WV300	N/A	Hoof w/Dent 45° 2.40mm (0.09")

M SERIES - MICRO FINE TIPS
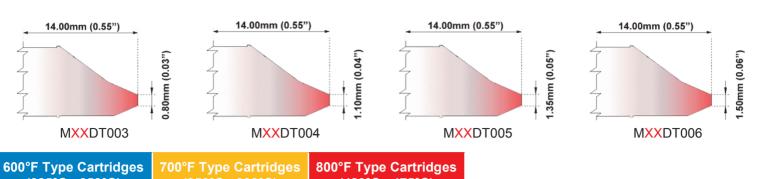
THERMALTRONICS

600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	Description
TT Part#	TT Part#	TT Part#	
M6CH006	M7CH006	M8CH006	Chisel 30° 0.6mm (0.024"), Micro Fine
M6CH008	M7CH008	M8CH008	Chisel 30° 0.8mm (0.031"), Micro Fine
M6C001	M7C001	M8C001	Conical 0.10mm (0.004"), Micro Fine
M6C002	M7C002	M8C002	Conical 0.20mm (0.008"), Micro Fine
M6C004	M7C004	M8C004	Conical 0.40mm (0.016"), Micro Fine
M6BV007	M7BV007	M8BV007	Bevel 45° 0.7mm (0.028"), Micro Fine

THERMALTRONICS SOLDERING TECHNOLOGY

M SERIES - POWER PLUS = HIGH PERFORMANCE, LONGER TIP LIFE

THERMALTRONICS

Power Plus = High Performance, Long Tip Life

600°F Type Cartridges (325°C - 358°C) TT Part#	700°F Type Cartridges (350°C - 398°C) TT Part#	800°F Type Cartridges (420°C - 475°C) TT Part#	Description
M6C300H	M7C300H	M8C300H	Conical 0.4mm (0.016"), Power Plus
M6BV010H	M7BV010H	M8BV010H	Bevel 60° 1.10mm (0.04"), Power Plus **new**
M6BV030H	M7BV030H	M8BV030H	Bevel 45° 3.00mm (0.12"), Power Plus **new**
M6BV050H	M7BV050H	M8BV050H	Bevel 45° 5.00mm (0.20"), Power Plus **new**
M6BV060H	M7BV060H	M8BV060H	Bevel 45° 6.00mm (0.24"), Power Plus **new**
M6BVF010H	M7BVF010H	M8BVF010H	Bevel 60° 1.00mm (0.04"), Tin Area Face Only, Power Plus **new**
M6BVF050H	M7BVF050H	M8BVF050H	Bevel 45° 5.00mm (0.20"), Tin Area Face Only, Power Plus **new**
M6BVF060H	M7BVF060H	M8BVF060H	Bevel 45° 6.00mm (0.24"), Tin Area Face Only, Power Plus **new**
M6CB012H	M7CB012H	M8CB012H	Chisel Bent 30° 1.2mm (0.05"), Power Plus **new**
M6CH032H	M7CH032H	M8CH032H	Chisel 30° 3.20mm (0.13"), Power Plus **new**
M6CH175H	M7CH175H	M8CH175H	Chisel 30° 2.5mm (0.10"), Power Plus
M6CH176H	M7CH176H	M8CH176H	Chisel 30° 1.78mm (0.07"), Power Plus
M6CH177H	M7CH177H	M8CH177H	Chisel 30° 1.5mm (0.06"), Power Plus
M6CH178H	M7CH178H	M8CH178H	Chisel 30° 1.0mm (0.04"), Power Plus
M6CH250H	M7CH250H	M8CH250H	Chisel Extra Large 5.0mm (0.20"), Power Plus
M6CP303H	M7CP303H	M8CP303H	Conical Sharp 1.0mm (0.04"), Power Plus
M6CS014H	M7CS014H	M8CS014H	Conical Sharp 1.4mm (0.055"), Power Plus
M6CS151H	M7CS151H	M8CS151H	Conical Sharp 1.0mm (0.04"), Power Plus
M6CS152H	M7CS152H	M8CS152H	Conical Sharp 0.5mm (0.02"), Power Plus
M6DS023H	M7DS023H	M8DS023H	Hoof 60° 3.10mm (0.122), Power Plus
M6DS035H	M7DS035H	M8DS035H	Knife 3.50mm (0.138"), Power Plus **new**
M6DS526H	M7DS526H	M8DS526H	Knife 4.50mm (0.177"), Increased Tin Area 6.1mm (0.24"),
M6K100H	M7K100H	M8K100H	Knife 4.50mm (0.177"), Power Plus
M6MF375H	M7MF375H	M8MF375H	Micro Fine 0.25mm (0.01"), Power Plus
M6SB275H	M7SB275H	M8SB275H	Bent Sharp 30° 0.5mm (0.02"), Power Plus

MDT SERIES DESOLDERING TIPS FOR TMT-9000 STATIONS

MXXDT003 — 14.00mm (0.55") — 0.80mm (0.03")

MXXDT004 — 14.00mm (0.55") — 1.10mm (0.04")

MXXDT005 — 14.00mm (0.55") — 1.35mm (0.05")

MXXDT006 — 14.00mm (0.55") — 1.50mm (0.06")

600°F Type Cartridges (325°C - 358°C)		700°F Type Cartridges (350°C - 398°C)		800°F Type Cartridges (420°C - 475°C)		Description
TT Part#	Original Part#	TT Part#	Original Part#	TT Part#	Original Part#	
M60DT003	STDC-003	M75DT003	STDC-103	M80DT003	STDC-803	Desoldering Tip - Inner Diameter 0.80mm (0.03")
M60DT003L	STDC-003L	M75DT003L	STDC-103L	M80DT003L	STDC-803L	Desoldering Tip - Inner Diameter 0.80mm (0.03"), Long Reach new
M60DT004	STDC-004	M75DT004	STDC-104	M80DT004	STDC-804	Desoldering Tip - Inner Diameter 1.10mm (0.04")
M60DT004L	STDC-004L	M75DT004L	STDC-104L	M80DT004L	STDC-804L	Desoldering Tip - Inner Diameter 1.10mm (0.04"), Long Reach new
M60DT005	STDC-005	M75DT005	STDC-105	M80DT005	STDC-805	Desoldering Tip - Inner Diameter 1.35mm (0.05")
M60DT005L	STDC-005L	M75DT005L	STDC-105L	M80DT005L	STDC-805L	Desoldering Tip - Inner Diameter 1.35mm (0.05"), Long Reach new
M60DT006	STDC-006	M75DT006	STDC-106	M80DT006	STDC-806	Desoldering Tip - Inner Diameter 1.50mm (0.06")
M60DT007	STDC-007	M75DT007	STDC-107	M80DT007	STDC-807	Desoldering Tip - Inner Diameter 2.40mm (0.095")

MTZ SERIES - TWEEZER TIPS FOR TMT-9000S
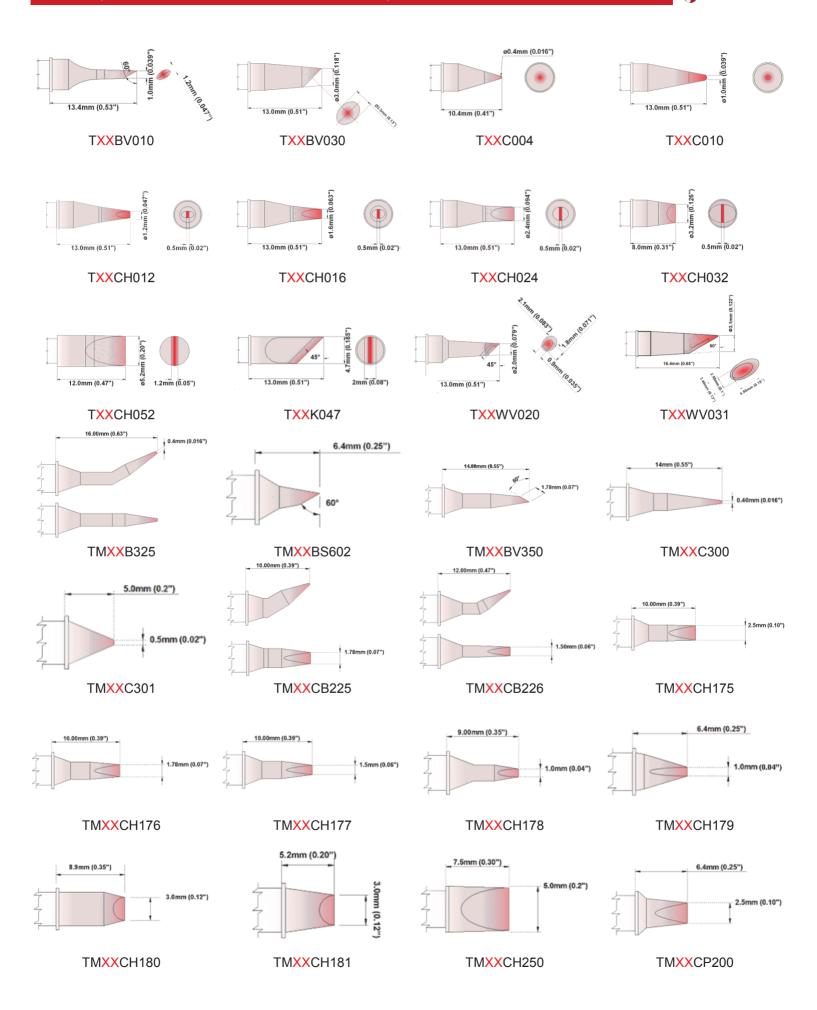
THERMALTRONICS

600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	Description
TT Part#	TT Part#	TT Part#	
M60TZ003	M70TZ003	M80TZ003	Tweezer Cartridge Pair - Micro Fine 0.25mm (0.01")
M60TZ004	M70TZ004	M80TZ004	Tweezer Cartridge Pair - Bent 30° Sharp 0.4mm (0.016")
M60TZ010	M70TZ010	M80TZ010	Tweezer Cartridge Pair - Conical Sharp 1.0mm (0.04")
M60TZ010B	M70TZ010B	M80TZ010B	Tweezer Cartridge Pair - Chisel 1.00mm (0.04")
M60TZ015	M70TZ015	M80TZ015	Tweezer Cartridge Pair - Chisel 1.5mm (0.06")
M60TZ018	M70TZ018	M80TZ018	Tweezer Cartridge Pair - Long Reach Chisel 1.78mm (0.07")
M60TZ018B	M70TZ018B	M80TZ018B	Tweezer Cartridge Pair - Chisel 1.78mm (0.07")
M60TZ025	M70TZ025	M80TZ025	Tweezer Cartridge Pair - Knife Tinned area 2.03mm (0.08")
M60TZ100	M70TZ100	M80TZ100	Tweezer Cartridge Pair - Blade Tip 10.41mm (0.41") Long
M60TZ160	M70TZ160	M80TZ160	Tweezer Cartridge Pair - Blade Tip 15.75mm (0.62") Long
M60TZ220	M70TZ220	M80TZ220	Tweezer Cartridge Pair - Blade Tip 22.1mm (0.87") Long

TXXBV010

TXXBV030

TXXC004

TXXC010

TXXCH012

TXXCH016

TXXCH024

TXXCH032

TXXCH052

TXXK047

TXXWV020

TXXWV031

TMXXB325

TMXXBS602

TMXXBV350

TMXXC300

TMXXC301

TMXXCB225

TMXXCB226

TMXXCH175

TMXXCH176

TMXXCH177

TMXXCH178

TMXXCH179

TMXXCH180

TMXXCH181

TMXXCH250

TMXXCP200

TMXXCP201

TMXXCP302

TMXXCP303

TMXXCS150

TMXXCS151

TMXXCS152

TMXXCS154

TMXXCS155

TMXXDS525

TMXXDS526

TMXXDS529

TMXXK100

TMXXLC650

TMXXLR400

TMXXLR401

TMXXLR403

TMXXMD575

TMXXMF375

TMXXSB275

TMXXSB276

TMXXWV300

THERMALTRONICS SOLDERING TECHNOLOGY
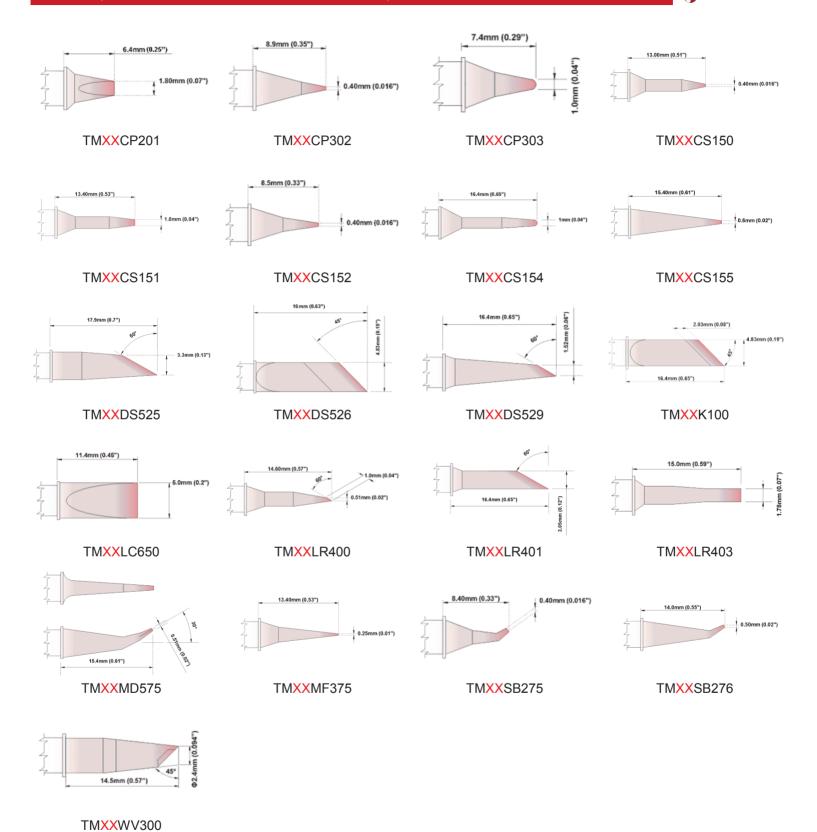
T SERIES - STANDARD TIPS FOR TMT-5000S

THERMALTRONICS

600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	Description
TT Part#	TT Part#	TT Part#	Description
T60BV010	T70BV010	T80BV010	Bevel 60° 1.00mm (0.04")
T60BV030	T70BV030	T80BV030	Bevel 45° 3.00mm (0.12")
T60C004	T70C004	T80C004	Conical 0.40mm (0.016")
T60C010	T70C010	T80C010	Conical 1.00mm (0.04")
T60CH012	T70CH012	T80CH012	Chisel 30° 1.20mm (0.047")
T60CH016	T70CH016	T80CH016	Chisel 30° 1.60mm (0.06")
T60CH024	T70CH024	T80CH024	Chisel 30° 2.40mm (0.09")
T60CH032	T70CH032	T80CH032	Chisel 90° 3.20mm (0.13")
T60CH052	T70CH052	T80CH052	Chisel 30° 5.20mm (0.20")
T60K047	T70K047	T80K047	Knife 4.70mm (0.185")
T60WV020	T70WV020	T80WV020	Hoof w/Dent 45° 2.00mm (0.08")
T60WV031	T70WV031	T80WV031	Hoof w/Dent 60° 3.10mm (0.122")
TM60B325	TM70B325	TM80B325	Bent Sharp 30° 0.4mm (0.016")
TM60BS602	TM70BS602	TM80BS602	Bevel 60° 1.8mm (0.07")
TM60BV350	TM70BV350	TM80BV350	Bevel 60° 1.78mm (0.07")
TM60C300	TM70C300	TM80C300	Conical 0.4mm (0.016")
TM60C301	TM70C301	TM80C301	Conical 0.5mm (0.02")
TM60CB225	TM70CB225	TM80CB225	Chisel Bent 30° 1.78mm (0.07")
TM60CB226	TM70CB226	TM80CB226	Chisel Bent 30° 1.5mm (0.06")
TM60CH175	TM70CH175	TM80CH175	Chisel 30° 2.5mm (0.10")
TM60CH176	TM70CH176	TM80CH176	Chisel 30° 1.78mm (0.07")
TM60CH177	TM70CH177	TM80CH177	Chisel 30° 1.5mm (0.06")
TM60CH178	TM70CH178	TM80CH178	Chisel 30° 1.0mm (0.04")
TM60CH179	TM70CH179	TM80CH179	Chisel 30° 1.0mm (0.04")
TM60CH180	TM70CH180	TM80CH180	Chisel 90° 3.0mm (0.12")
TM60CH181	TM70CH181	TM80CH181	Chisel 90° 3.0mm (0.12")
TM60CH250	TM70CH250	TM80CH250	Chisel Extra Large 5.0mm (0.20")
TM60CP200	TM70CP200	TM80CP200	Chisel 30° 2.5mm (0.10")
TM60CP201	TM70CP201	TM80CP201	Chisel 30° 1.80mm (0.07")
TM60CP302	TM70CP302	TM80CP302	Conical 0.4mm (0.016")
TM60CP303	TM70CP303	TM80CP303	Conical Sharp 1.0mm (0.04")
TM60CS150	TM70CS150	TM80CS150	Conical Sharp 0.4mm (0.016")
TM60CS151	TM70CS151	TM80CS151	Conical Sharp 1.0mm (0.04")
TM60CS152	TM70CS152	TM80CS152	Conical Sharp 0.4mm (0.016")
TM60CS154	TM70CS154	TM80CS154	Conical Sharp 1.0mm (0.04")
TM60CS155	TM70CS155	TM80CS155	Conical Sharp 0.5mm (0.02")
TM60DS525	TM70DS525	TM80DS525	Hoof 60° 3.3mm (0.13")
TM60DS526	TM70DS526	TM80DS526	Knife 4.83mm (0.19), Increased Tin Area 5.84mm (0.23")
TM60DS529	TM70DS529	TM80DS529	Hoof 60° 1.52mm (0.06")
TM60K100	TM70K100	TM80K100	Knife 4.83mm (0.19"), Tin Area 2.03mm (0.08")
TM60LC650	TM70LC650	TM80LC650	Chisel Extra Large 5.0mm (0.20")
TM60LR400	TM70LR400	TM80LR400	Bevel 60° Long Reach 1.0mm (0.04")
TM60LR401	TM70LR401	TM80LR401	Hoof Long Reach 60° 3.05mm (0.12")
TM60LR403	TM70LR403	TM80LR403	Chisel 60° Long Reach 1.78mm (0.07")
TM60MD575	TM70MD575	TM80MD575	Hook Long 30° Fine 0.51mm (0.02")
TM60MF375	TM70MF375	TM80MF375	Micro Fine 0.25mm (0.01")
TM60SB275	TM70SB275	TM80SB275	Bent Sharp 30° 0.4mm (0.016")
TM60SB276	TM70SB276	TM80SB276	Bent Sharp 30° 0.5mm (0.02")
TM60WV300	TM70WV300	TM80WV300	Hoof w/Dent 45° 2.40mm (0.09")

TDT SERIES - DESOLDERING TIPS FOR TMT-5000S

| 600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	
TT Part#	TT Part#	TT Part#	Description
T60DT003	T75DT003	T80DT003	Desoldering Tip - Inner Diameter 0.80mm (0.03")
T60DT003L	T75DT003L	T80DT003L	Desoldering Tip - Inner Diameter 0.80mm (0.03"), Long
T60DT004	T75DT004	T80DT004	Desoldering Tip - Inner Diameter 1.10mm (0.04")
T60DT004L	T75DT004L	T80DT004L	Desoldering Tip - Inner Diameter 1.10mm (0.04"), Long
T60DT005	T75DT005	T80DT005	Desoldering Tip - Inner Diameter 1.35mm (0.05")
T60DT005L	T75DT005L	T80DT005L	Desoldering Tip - Inner Diameter 1.35mm (0.05"), Long
T60DT006	T75DT006	T80DT006	Desoldering Tip - Inner Diameter 1.50mm (0.06")
T60DT007	T75DT007	T80DT007	Desoldering Tip - Inner Diameter 2.40mm (0.095")

TTZ SERIES - TWEEZER TIPS FOR TMT-5000S
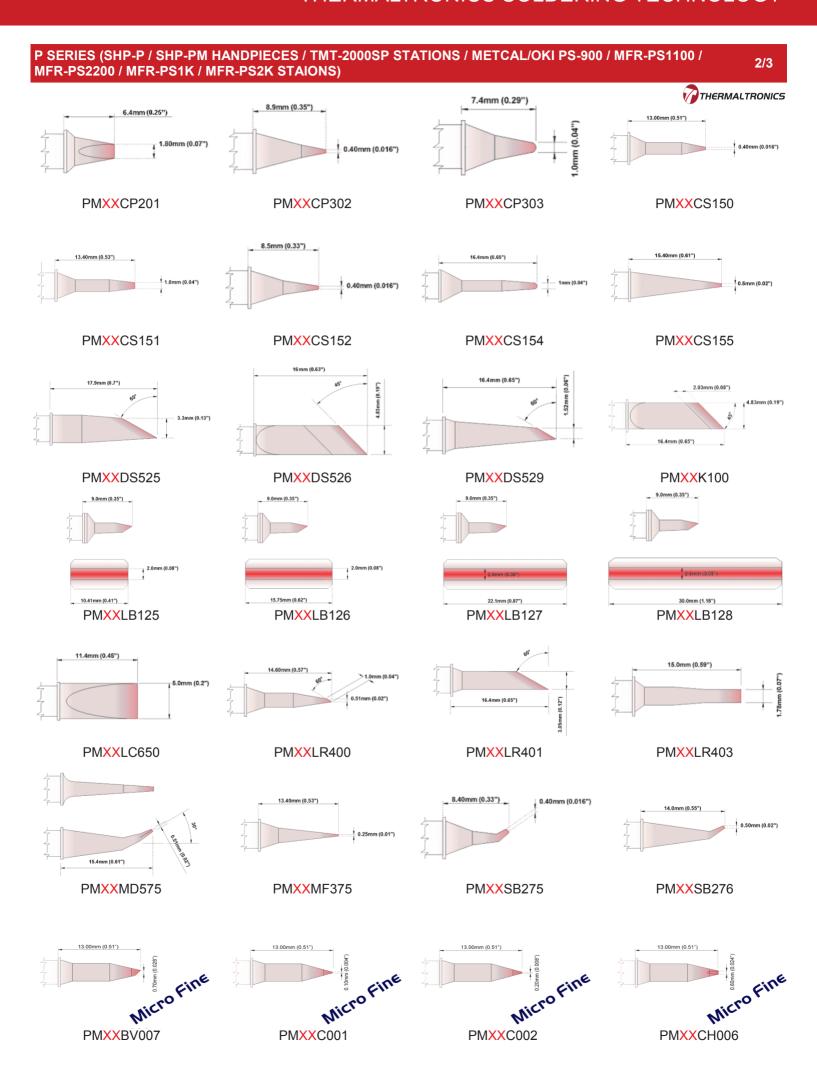
600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	
TT Part#	TT Part#	TT Part#	Description
T60TZ003	T70TZ003	T80TZ003	Tweezer Cartridge Pair - Micro Fine 0.25mm (0.01")
T60TZ004	T70TZ004	T80TZ004	Tweezer Cartridge Pair - Bent 30° Sharp 0.4mm (0.016")
T60TZ010	T70TZ010	T80TZ010	Tweezers Cartridge Pair - Conical Sharp 1.0mm (0.04")
T60TZ010B	T70TZ010B	T80TZ010B	Tweezers Cartridge Pair - Chisel 1.00mm (0.04")
T60TZ015	T70TZ015	T80TZ015	Tweezer Cartridge Pair - Chisel 30° 1.5mm (0.06")
T60TZ018	T70TZ018	T80TZ018	Tweezer Cartridge Pair - Long Reach Chisel 60° 1.78mm (0.07")
T60TZ018B	T70TZ018B	T80TZ018B	Tweezer Cartridge Pair - Chisel 30° 1.78mm (0.07")
T60TZ025	T70TZ025	T80TZ025	Tweezer Cartridge Pair - Knife Tinned area 2.03m (0.08")
T60TZ100	T70TZ100	T80TZ100	Tweezer Cartridge Pair - Blade Tip 10.41mm (0.41") Long
T60TZ160	T70TZ160	T80TZ160	Tweezer Cartridge Pair - Blade Tip 15.75mm (0.62") Long
T60TZ220	T70TZ220	T80TZ220	Tweezer Cartridge Pair - Blade Tip 22.1mm (0.87") Long

T SERIES - MICRO FINE TIPS

600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	
TT Part#	TT Part#	TT Part#	Description
TM60CH006	TM70CH006	TM80CH006	Chisel 30° 0.6mm (0.024"), Micro Fine, new
TM60CH008	TM70CH008	TM80CH008	Chisel 30° 0.8mm (0.031"), Micro Fine, new
TM60C001	TM70C001	TM80C001	Conical 0.10mm (0.004"), Micro Fine, new
TM60C002	TM70C002	TM80C002	Conical 0.20mm (0.008"), Micro Fine, new
TM60BV007	TM70BV007	TM80BV007	Bevel 45° 0.7mm, Micro Fine, new

P SERIES (SHP-P / SHP-PM HANDPIECES / TMT-2000SP STATIONS / METCAL/OKI PS-900 / MFR-PS1100 / MFR-PS2200 / MFR-PS1K / MFR-PS2K STAIONS)

1/3

THERMALTRONICS

PXXBV010

PXXBV030

PXXC004

PXXC010

PXXCH012

PXXCH016

PXXCH024

PXXCH032

PXXCH052

PXXK047

PXXWV020

PXXWV031

PMXXB325

PMXXBS602

PMXXBV350

PMXXC300

PMXXC301

PMXXCB225

PMXXCB226

PMXXCH175

PMXXCH176

PMXXCH177

PMXXCH178

PMXXCH179

PMXXCH180

PMXXCH181

PMXXCH250

PMXXCP200

P SERIES (SHP-P / SHP-PM HANDPIECES / TMT-2000SP STATIONS / METCAL/OKI PS-900 / MFR-PS1100 / MFR-PS2200 / MFR-PS1K / MFR-PS2K STAIONS)

THERMALTRONICS

6.4mm (0.25") 1.80mm (0.07") **PMXXCP201**	8.9mm (0.35") 0.40mm (0.016") **PMXXCP302**	7.4mm (0.29") 1.0mm (0.04") **PMXXCP303**	13.00mm (0.51") 0.40mm (0.016") **PMXXCS150**
13.40mm (0.53") 1.0mm (0.04") **PMXXCS151**	8.5mm (0.33") 0.40mm (0.016") **PMXXCS152**	16.4mm (0.65") 1mm (0.04") **PMXXCS154**	15.40mm (0.61") 0.5mm (0.02") **PMXXCS155**
17.9mm (0.7") 60° 3.3mm (0.13") **PMXXDS525**	16 mm (0.63") 45° 4.83mm (0.19") **PMXXDS526**	16.4mm (0.65") 60° 1.52mm (0.06") **PMXXDS529**	2.03mm (0.08") 4.83mm (0.19") 45° 16.4mm (0.65") **PMXXK100**
9.0mm (0.35") 2.0mm (0.08") 10.41mm (0.41") **PMXXLB125**	9.0mm (0.35") 2.0mm (0.08") 15.75mm (0.62") **PMXXLB126**	9.0mm (0.35") 2.0mm (0.08") 22.1mm (0.87") **PMXXLB127**	9.0mm (0.35") 2.0mm (0.08") 30.0mm (1.18") **PMXXLB128**
11.4mm (0.45") 5.0mm (0.2") **PMXXLC650**	14.60mm (0.57") 60° 1.0mm (0.04") 0.51mm (0.02") **PMXXLR400**	60° 16.4mm (0.65") 3.05mm (0.12") **PMXXLR401**	15.0mm (0.59") 1.78mm (0.07") **PMXXLR403**
30° 0.51mm (0.02") 15.4mm (0.61") **PMXXMD575**	13.40mm (0.53") 0.25mm (0.01") **PMXXMF375**	8.40mm (0.33") 0.40mm (0.016") **PMXXSB275**	14.0mm (0.55") 0.50mm (0.02") **PMXXSB276**
13.00mm (0.51") 0.70mm (0.028") Micro Fine **PMXXBV007**	13.00mm (0.51") 0.10mm (0.004") Micro Fine **PMXXC001**	13.00mm (0.51") 0.20mm (0.008") Micro Fine **PMXXC002**	13.00mm (0.51") 0.60mm (0.024") Micro Fine **PMXXCH006**

P SERIES (SHP-P / SHP-PM HANDPIECES / TMT-2000SP STATIONS / METCAL/OKI PS-900 / MFR-PS1100 / MFR-PS2200 / MFR-PS1K / MFR-PS2K STAIONS)

3/3

13.00mm (0.51")
0.80mm (0.031")
Micro Fine

6.4mm (0.25")
1.50mm (0.06")

PMXXCH008

PMXXCP202

THERMALTRONICS

THERMALTRONICS SOLDERING TECHNOLOGY

600°F Type Cartridges (325°C - 358°C)		700°F Type Cartridges (350°C - 398°C)		800°F Type Cartridges (420°C - 475°C)		Description
TT Part#	Original Part#	TT Part#	Original Part#	TT Part#	Original Part#	
P60BV010	N/A	P75BV010	N/A	P80BV010	N/A	Bevel 60° 1.00mm (0.04)
P60BV030	N/A	P75BV030	N/A	P80BV030	N/A	Bevel 45° 3.00mm (0.12")
P60C004	N/A	P75C004	N/A	P80C004	N/A	Conical 0.40mm (0.016")
P60C010	N/A	P75C010	N/A	P80C010	N/A	Conical 1.00mm (0.04")
P60CH012	N/A	P75CH012	N/A	P80CH012	N/A	Chisel 30° 1.20mm (0.047")
P60CH016	N/A	P75CH016	N/A	P80CH016	N/A	Chisel 30° 1.60mm (0.06")
P60CH024	N/A	P75CH024	N/A	P80CH024	N/A	Chisel 30° 2.40mm (0.09")
P60CH032	N/A	P75CH032	N/A	P80CH032	N/A	Chisel 90° 3.20mm (0.13")
P60CH052	N/A	P75CH052	N/A	P80CH052	N/A	Chisel 30° 5.20mm (0.20")
P60K047	N/A	P75K047	N/A	P80K047	N/A	Knife 4.70mm (0.185")
P60WV020	N/A	P75WV020	N/A	P80WV020	N/A	Hoof w/Dent 45° 2.00mm (0.08")
P60WV031	N/A	P75WV031	N/A	P80WV031	N/A	Hoof w/Dent 60° 3.10mm (0.122")
PM60B325	N/A	PM75B325	N/A	PM80B325	N/A	Bent Sharp 30° 0.4mm (0.016")
PM60BS602	N/A	PM75BS602	N/A	PM80BS602	N/A	Bevel 60° 1.8mm (0.07")
PM60BV350	N/A	PM75BV350	N/A	PM80BV350	N/A	Bevel 60° 1.78mm (0.07")
PM60C300	STP-CNL04	PM75C300	SFP-CNL04	PM80C300	SCP-CNL04	Conical 0.4mm (0.016")
PM60C301	STP-CN05	PM75C301	SFP-CN05	PM80C301	SCP-CN05	Conical 0.5mm (0.02")
PM60CB225	N/A	PM75CB225	N/A	PM80CB225	N/A	Chisel Bent 30° 1.78mm (0.07")
PM60CB226	STP-CHB15	PM75CB226	SFP-CHB15	PM80CB226	SCP-CHB15	Chisel Bent 30° 1.5mm (0.06")
PM60CH175	STP-CH25	PM75CH175	SFP-CH25	PM80CH175	SCP-CH25	Chisel 30° 2.5mm (0.10")
PM60CH176	STP-CH20	PM75CH176	SFP-CH20	PM80CH176	SCP-CH20	Chisel 30° 1.78mm (0.07")
PM60CH177	STP-CH15	PM75CH177	SFP-CH15	PM80CH177	SCP-CH15	Chisel 30° 1.5mm (0.06")
PM60CH178	STP-CH10	PM75CH178	SFP-CH10	PM80CH178	SCP-CH10	Chisel 30° 1.0mm (0.04")
PM60CH179	N/A	PM75CH179	N/A	PM80CH179	N/A	Chisel 30° 1.0mm (0.04")
PM60CH180	STP-CH30	PM75CH180	SFP-CH30	PM80CH180	SCP-CH30	Chisel 90° 3.0mm (0.12")
PM60CH181	N/A	PM75CH181	N/A	PM80CH181	N/A	Chisel 90° 3.0mm (0.12")
PM60CH250	STP-CH50	PM75CH250	SFP-CH50	PM80CH250	SCP-CH50	Chisel Extra Large 5.0mm (0.20")
PM60CP200	N/A	PM75CP200	N/A	PM80CP200	N/A	Chisel 30° 2.5mm (0.10")
PM60CP201	N/A	PM75CP201	N/A	PM80CP201	N/A	Chisel 30° 1.80mm (0.07")
PM60CP302	STP-CN04	PM75CP302	SFP-CN04	PM80CP302	SCP-CN04	Conical 0.4mm (0.016")
PM60CP303	N/A	PM75CP303	N/A	PM80CP303	N/A	Conical Sharp 1.0mm (0.04")
PM60CS150	N/A	PM75CS150	N/A	PM80CS150	N/A	Conical Sharp 0.4mm (0.016")
PM60CS151	N/A	PM75CS151	N/A	PM80CS151	N/A	Conical Sharp 1.0mm (0.04")
PM60CS152	N/A	PM75CS152	N/A	PM80CS152	N/A	Conical Sharp 0.4mm (0.016")
PM60CS154	N/A	PM75CS154	N/A	PM80CS154	N/A	Conical Sharp 1.0mm (0.04")
PM60CS155	N/A	PM75CS155	N/A	PM80CS155	N/A	Conical Sharp 0.5mm (0.02")
PM60DS525	STP-DRH35	PM75DS525	SFP-DRH35	PM80DS525	SCP-DRH35	Hoof 60° 3.3mm (0.13")
PM60DS526	STP-DRK50	PM75DS526	SFP-DRK50	PM80DS526	SCP-DRK50	Knife 4.83mm (0.19"), Increased Tin Area 5.84mm (0.23")
PM60DS529	STP-DRH15, STP-DRH615	PM75DS529	SFP-DRH15, SFP-DRH615	PM80DS529	SCP-DRH15, SCP-DRH615	Hoof 60° 1.52mm (0.06")

600°F Type Cartridges (325°C - 358°C)		700°F Type Cartridges (350°C - 398°C)		800°F Type Cartridges (420°C - 475°C)		
TT Part#	Original Part#	TT Part#	Original Part#	TT Part#	Original Part#	Description
PM60K100	STP-DRK50	PM75K100	SFP-DRK50	PM80K100	SCP-DRK50	Knife 4.83mm (0.19"), Tin Area 2.03mm (0.08")
PM60LB125	RTP-BL1	PM75LB125	RFP-BL1	PM80LB125	RCP-BL1	Blade Tip 10.41mm (0.41")
PM60LB126	RTP-BL2	PM75LB126	RFP-BL2	PM80LB126	RCP-BL2	Blade Tip 15.75mm (0.62")
PM60LB127	RTP-BL3	PM75LB127	RFP-BL3	PM80LB127	RCP-BL3	Blade Tip 22.1 mm (0.87")
PM60LB128	N/A	PM75LB128	N/A	N/A	N/A	Blade Tip 30.0 mm (1.18")
PM60LC650	N/A	PM75LC650	N/A	PM80LC650	N/A	Chisel Extra Large 5.0mm (0.20")
PM60LR400	STP-BVL10, STP-DRH610	PM75LR400	SFP-BVL10, SFP-DRH610	PM80LR400	SCP-BVL10, SCP-DRH610	~~Bevel 60° Long Reach 1.0mm (0.04")~~
PM60LR401	N/A	PM75LR401	N/A	PM80LR401	N/A	Hoof Long Reach 60° 3.05mm (0.12")
PM60LR403	STP-CHL20	PM75LR403	SFP-CHL20	PM80LR403	SCP-CHL20	Chisel 60° Long Reach 1.78mm (0.07")
PM60MD575	STP-DRH05	PM75MD575	SFP-DRH05	PM80MD575	SCP-DRH05	Hook Long 30° Fine 0.51mm (0.02")
PM60MF375	N/A	PM75MF375	N/A	PM80MF375	N/A	Blade Tip 10.41mm (0.41")
PM60SB275	STP-CNB04	PM75SB275	SFP-CNB04	PM80SB275	SCP-CNB04	Blade Tip 15.75mm (0.62")
PM60SB276	STP-CNB05	PM75SB276	SFP-CNB05	PM80SB276	SCP-CNB05	Blade Tip 22.1 mm (0.87")
PM60WV300	N/A	PM75WV300	N/A	PM80WV300	N/A	Blade Tip 30.00 mm (1.18")

P SERIES - MICRO FINE TIPS

600°F Type Cartridges (325°C - 358°C)	700°F Type Cartridges (350°C - 398°C)	800°F Type Cartridges (420°C - 475°C)	
TT Part#	TT Part#	TT Part#	Description
PM60CH006	PM70CH006	PM80CH006	Chisel 30° 0.6mm (0.024"), Micro Fine, new
PM60CH008	PM70CH008	PM80CH008	Chisel 30° 0.8mm (0.031"), Micro Fine, new
PM60C001	PM70C001	PM80C001	Conical 0.10mm (0.004"), Micro Fine, new
PM60C002	PM70C002	PM80C002	Conical 0.20mm (0.008"), Micro Fine, new
PM60BV007	PM70BV007	PM80BV007	Bevel 45° 0.7mm (0.028"), Micro Fine, new

ESD CHEMICALS
CHEMICALS FOR ELECTRONIC INDUSTRIES

HEAVY DUTY STATICIDE

Ideal for eliminating static problems such as: static electricity discharge on carpeting and fabrics, jamming or slipping of materials during printing, packaging or converting, ignition of combustible vapors, dust or solvents.

⇒ Proven effective in relative humidity below 15%
⇒ Non-staining, completely biodegradable and safe to use
⇒ 3,75 l covers approx. 186-232 m^2
⇒ **For POROSUS surface**

Order Code	Type
2005	1 liter spray
2002	3,75 liter bottle

GENERAL PORPUSE STATICIDE

The attraction of dirt, dust and bacteria to all environmental surfaces, plastic products and packaging, charge generation on surfaces of tote boxes and carriers used to process and store electronic components, damage or destruction of sensitive electronic equipment, components and sub-assemblies during their manufacture, shipping or receiving.

⇒ Proven effective in relative humidity below 15%
⇒ Non-staining, completely biodegradable and safe to use
⇒ 3,75 l covers approx. 186-232 m^2
⇒ **For NON-POROSUS surface**

Order Code	Type
2003	1 liter spray
2001	3,75 liter bottle

ESD TABLE TOP CLEANER

This non-abrasive cleaner is ideal for general use on work stations, table tops and anti static mats. Leaves no film, is non streaking and non-flammable. It effectively removes flux residues, oily finger marks, grease, nicotine, dirt, grime and inorganic contaminants without degreasing the surface's anti-static properties.

⇒ Removes surface dirt on table tops, chair mats or anti-static mats
⇒ Eliminates unsightly film or other residue that may build up on static-sensitive areas
⇒ Maintains original surface resistivity of anti-static mats
⇒ Contains no alkali or ammonia
⇒ Designed for cleaning any production are in assembling, testing or handling sensitive electronic components

Order Code	Type
6001	1 liter spray
6002	3,75 liter bottle

ESD STATICIDE - ESD WIPES

⇒ Ideal for use on hard surfaces such as plastic, non-painted metal and glass
⇒ Long-lasting, non toxic and biodegradeable
⇒ Helps prevent dust buildup
⇒ One-step cleaning and static control
⇒ Safe for all electronic equipment
⇒ Helps prevent system ibterruptions and static discharge shocks
⇒ Bacteriostatic

Order Code	Type
SW-12	20 wipes / box, size: 120 x 200 mm

STATICIDE ULTRA
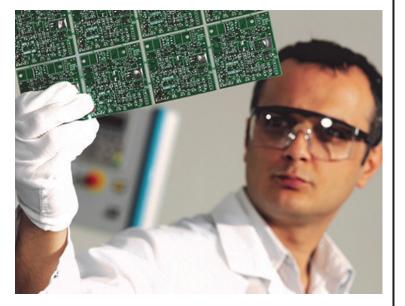## ESD FLOOR FINISH

ACL Staticide ®

High quality, high performance, decreases stripping cycles! No other ESD floor finish can match Staticide Ultra for electrical properties, physical longevity and gloss! Staticide Ultra utilizes the latest technology in static dissipative polymers that act on a molecular level. This enhances its static control ability,effectiveness, and maximizes the stripping cycles.

$\Rightarrow$ Long life saves money
$\Rightarrow$ Provides superior abrasion performance
$\Rightarrow$ Has an extended stripping cycle that can last for up to 24 months
$\Rightarrow$ Is easily maintained and repaired with no buffing
$\Rightarrow$ Dries faster and with higher gloss intensity than other ESD finishes
$\Rightarrow$ Coverage: 139-186 m^2 / 3,75 liter
$\Rightarrow$ Rs: 10^8 - 10^9 Ohm
$\Rightarrow$ Substrate: vinyl, linoleum and ceramic tile
$\Rightarrow$ Strip Cycle: 12 – 24 months

Order Code	Type
4600-1	3,75 liter bottle

STATICIDE ACRYLIC
ESD FLOOR FINISH

ACL Staticide ®

Low cost + high performance = Value
Staticide Acrylic is a high-solids, low cost method of protecting your sensitive manufacturing areas from the dangers of static build-up. Easy to apply; perfect for production areas, warehousing, shipping, laboratories and electronic repair facilities.

$\Rightarrow$ Competitively priced
$\Rightarrow$ Easily maintained and repaired with no buffing
$\Rightarrow$ Contains low volatile organic compounds (V.O.C.s)
$\Rightarrow$ Coverage: 139-186 m^2 / 3,75 liter
$\Rightarrow$ Rs: 10^8 - 10^9 Ohm
$\Rightarrow$ Substrate: vinyl, linoleum and ceramic tile
$\Rightarrow$ Strip Cycle: 6 - 12 months

Order Code	Type
40001	3,75 liter bottle

STATICIDE ULTRA II
ESD FLOOR FINISH

ACL Staticide ®

Specially formulated for unique industrial surfaces!
Advanced acrylic polymer allows superior adhesion and static control for out-of-warranty ESD floors and other special surfaces. Does not yellow or flake and is tough to scuff. This long life floor finish will revitalize the shine and electrical properties of old ESD Tile.

⇒ Long life
⇒ Will adhere to ESD Floor
⇒ Enhanced abrasion performance
⇒ Easily maintained and repaired with no buffing
⇒ Coverage: 139-186 m2 / 3,75 liter
⇒ Substrate: concrete, epoxy, ESD epoxy and dissipative tile
⇒ Rs: 10^8 - 10^9 Ohm
⇒ Strip Cycle: 12 - 18 months

Order Code	Type
4008-1	3,75 liter bottle

STATICIDE RESTORER CLEANER

Restorer gloss, extends stripping cycles!
You invest substantial time and labor to strip and refinish your floors. Now let Staticide Restorer renew the gloss and prolong the time before you have to start the process over again. A special conductive ingredient in the formula will help clean the floor but also break down electrical discharge, lower resistivity, and return your floors to safe specifications.

⇒ Removes black heel marks
⇒ No harmful chemicals like ammonia, phosphates or alkali.
⇒ Non Abrasive
⇒ Low odor
⇒ Biodegradable
⇒ Coverage: 93-139 m^2 / 3,75 liter
⇒ Rs: 10^7 - 10^9 Ohm
⇒ Dilution ratio: 1:10 (1 part cleaner to 10 parts water)

Order Code	Type
4100-1	3,75 liter bottle

STATICIDE ESD FLOOR STRIPPER

Removes multiple coats of wax and synthetic floor finishes. Will not damage or dull flooring when used accoring to the recommendations. Non-ammoniated, biodegradable, no harsh odors, non-streaking and lowfoaming. Effective in hard or soft water. Staticide Anti-Static Floor Stripper removes embedded dirt providing a completely clean and finish-ready surface by emulsifying dirt and residual particles of old wax or coating.

⇒ No ammonia or phosphates
⇒ Low VOC formula
⇒ Zero tribogeneration
⇒ Non Toxic
⇒ Biodegradable
⇒ Coverage: approx. 465 m^2 per 3,75 liter
⇒ Dilution ratio: 1:4 (1 part stripper to 4 parts water)

Order Code	Type
4010-1	3,75 liter bottle

STATICIDE NEUTRAL CLEANER

Keep the ESD floor clean! A highly concentrated anti-static cleaner for use in all facilities. Leaves no film, low foam level, constant detergency, non-streaking, safe for septic and sewage systems. Contains no phosphates or alkalis and will not degrade production environment anti-static properties. This non-abrasive cleaner is perfect product to use to clean ESD floors.

⇒ Non Abrasive
⇒ No Containments
⇒ Neutral pH
⇒ Neutral charge
⇒ Used on Concrete, ESD Floors and Tiles
⇒ Coverage: approx. 929 m^2 per 3,75 liter
⇒ Dilution ratio: 1:128 (1 part cleaner to 128 parts water)

Order Code	Type
4020-1	3,75 liter bottle

ESD HI-TECH HAND LOTION

ACL Staticide

ESD safe! Use with wrist straps! Replenish the vital moisture on skin that is important to wrist strap performance. This static dissipative hand lotion is equipped to prevent and handle static discharge, especially in the electronics industry. Hi Tech Hand Lotion helps keep the skin moistened without risk of contamination.

Order Code	Type
7001	236 ml bottle

ESD PAINT SPRAY

Cost-effective, permanent treatment of insulating or low-resistance materials. AstraStat Type S is a two-component polyurethane spray that produces an exceptionally resilient, elastic coating. It is ideal for many applications, such as warehouse shelving, trolleys, tabletops, workpiece carriers, receptacles and more.

Available in two standard colors we can – thanks to an ingenious filling method – supply any custom color in 400 ml spray cans. The spray nozzle produces a wide and extremely finely atomized spray to ensure even paint application.

Once activated, the can content can be applied for about five hours.

The standard colors are light grey ~RAL 7035, pigeon blue ~RAL 5014, red ~RAL 3000 and black ~RAL 9005, special colors can be blended from a minimum order quantity of 36 cans.

Order Code	Type
4S-AS-ESD-S7035	ESD-Spray, colour RAL 7035, can of 400ml
4S-AS-ESD-S5014	ESD-Spray, colour RAL 5014, can of 400ml
4S-AS-ESD-S3000	ESD-Spray, colour RAL 3000, can of 400ml
4S-AS-ESD-S9005	ESD-Spray, colour RAL 9005, can of 400ml

AIR DUSTERS

AERODUSTER 100 and 105

Servisol

AERODUSTER 100/105 is a liquefied gas which provides a dry, powerful blast for easy removal of dust and other loose contamination.

CFC and HCFC free, Application: TV, Video and Audio equipment, PC, Cameras, Tape heads, Business equipments, Clocks and waches

Order Code	Type
6100012000	AERODUSTER 100 - 200 ml
6100012510	AERODUSTER 105 - 400 ml

INVERT AERODUSTER 101

Servisol

AERODUSTER 101 is a liquified gas which provides a dry, powerful blast which works at any angle, even when inverted for easy removal of dust and other loose contamination. Ideally suited for Field Engineers.

Application: TV, Video and Audio equipment, PC, Cameras, Tape heads, Business equipments, Clocks and waches

Order Code	Type
6100012110	AERODUSTER 101 - 110 ml

CLEANING PRODUCTS

GLASS CLEANER 180 and 185

Servisol

GLASS CLEANER 180/185 has been formulated using a special blend of surfactants, alcohols and inhibitors to produce a sparking, smear-free finish on all glazed and ceramic surfaces.

Application: TV Screens, Photocopiers, Computer Monitors, Windows, Mirrors, Ceramic Tiles, Amusement Machines, Juke Boxes, Windscreens

Order Code	Type
6100014500	GLASS CLEANER 180 - 200 ml
6100014100	GLASS CLEANER 185 - 400 ml

LABEL REMOVER 130

Servisol

LABEL REMOVER 130 is a unique blend of citrus and hydrocarbon oils which quickly releases self- adhesive labels and stickers. It neutralises the adhesive, thereby facilitating clean and easy removal.

Application: Photocopiers, Computers, Printers, Typewriters, Shelving, Fax Machines, Rollers, Cabinets, Platens, Amusement Machines, Inks and dye stains

Order Code	Type
6100016000	LABEL REMOVER 130 - 200 ml

REFURB 140

REFURB 140 is a highly effective silicone resin to rejuvenate, restore and refurbish. Provides a high-gloss shine in a matter of seconds.

Application: Quickly cures to a semi-permanent coating, which offers resistance to handling, wiping, moisture and sunlight on television cabinets, speaker casings, desktops and automotive trim.

Order Code	Type
6100017000	REFURB 140 - 400 ml

CD 150

CD 150 is a blend of cleaning agents, specially formulated for use on all audio, video and computer Compact discs.

Application: Quick and easy to use. CD 150 will quickly remove light soiling, such as fingerprints, leaving the compact disc clean and dry to ensure clear reading and optimum performance.

Order Code	Type
6100018000	CD 150 - 200 ml

EXCEL POLISH 80

EXCEL POLISH 80 is a high-grade, multi-purpose polish for use on all hard surfaces.

Application: Contains waxes and silicone for a high-gloss, durable finish. Cleans and polishes in one process, it is ideal for use on all surfaces such as television cabinets, speakers, furniture, desks, paintwork, metals and plastics.

Order Code	Type
6100011500	EXCEL POLISH 80 - 200 ml

IPA 170

IPA 170 offers the convenience of an aerosol and all the cleaning power of Isopropyl Alcohol (IPA), which is a universally recognised electronic cleaning solvent conforming to BS 1595, ASTM D770 and DIN 53245.

Application: Tape heads, Disc Drives, Photocopier Drums, Optical Equipment, Lenses, Printed Circuit Boards, Precision Instruments, Delicate Componenets
Forms an azeotrope with water, which evaporates more quickly than water for quick and efficient removal of moisture. Servisol offers a high-grade of IPA with a low moisture content, giving a greater capacity for removal of moisture from parts and components.

Order Code	Type
6100020000	IPA 170 spray - 400 ml
6200005000	IPA 170 bail - 1 liter

FOAM CLEANSER 30

Servisol

FOAM CLEANSER 30 is a unique anti-static foaming cleaner based on a blend of surfactants, solvents, inhibitors and water. Unrivalled in performance, it quickly and easily removes all types of dirt, grease, stains, soiling and other contamination from hard surfaces.

Suitable for use on television cabinets, video and audio equipment, computer casings, amusement machines, business machines and office equipment, domestic appliances, worktops, walls and machinery.

Order Code	Type
6100002000	FOAM CLEANSER 30 - 400 ml

AEROKLENE 50

Servisol

AEROKLENE 50 is an electronic cleaning solvent which is idea for safe and effective cleaning of electronic, electrical and other delicate components.

Application: PCB, Tape Heads, Relays, Electrical and Electronic Assemblies, Condensers, Business Machines, Precision Instruments, Transistors, Communications Equipments

Order Code	Type
6100005000	AEROKLENE 50 - 200 ml

VIDEO 40 and 40/2

Servisol

VIDEO 40 and 40/2 is a tape head and disc drive cleaner, containing Propan-2ol (IPA), for quick and efficient cleaning.

Ideal for removing dirt, dust and tape oxides from audio and video recording heads, thereby improving frequency response, reducing wear and minimising noise. Also suitable for use on computer disc drives and for removing moisture from electronic components, switches and PCB's.

Order Code	Type
6100006000	VIDEO 40 - 75 ml
6100006500	VIDEO 40/2 - 200 ml

COLDKLENE 110

Servisol

COLDKLENE 110 is a powerful degreasing solvent, with excellent penetrating and flushing properties.

Application: Removes grease, oil, wax and carbon from electrical and electronic parts. Ideal for flux removal from PCB's. Rapid evaporation leaves surfaces clean and dry.

Order Code	Type
6100007515	COLDKLENE 110 - 200 ml

CLEANING WIPES

ANTI-STAT SCREEN WIPES

ANTI-STAT SCREEN WIPES Formulated with a mild but highly effective cleaning solution, which enables all types of screens to be cleaned quickly and easily. Multi-screen use formula – safe on coated glass, TFT and LCD Screens, Monitors and Glass surfaces on scanners and photocopiers.

Pre-moisturised, anti-static wipes for all types of screen, Helps reduce the risk of eye strain, Alcohol free, no-smear formulation, 100 wipes (130mm x 180mm), Handy, re-sealable tub dispenser

Order Code	Type
6100050040	ANTI-STAT SCREEN WIPES - 100 wipes

PLASTIC SAFE WIPES

PLASTIC SAFE WIPES Highly effective cleaning and anti-bacterial surface wipes for all types of cleaning around the computer work station. Convenient one-step cleaning is achieved by the perfect balance of a strong yet safe cleaning solution and an absorbent wipe.

Removes grease, grim, dirt and ink residues, Suitable for use on computer cases and keyboards, Anti-bacterial formula. Can be used to clean and sanitise telephone hand sets, mobiles, headsets and workstation surfaces, 100 wipes (130mm x 180mm), Handy, re-sealable tub dispenser

Order Code	Type
6100050050	PLASTIC SAFE WIPES - 100 wipes

DRY CLEANING CLOTHES

DRY CLEANING CLOTHES High quality, low lint wipes designed for cleaning and drying screens, monitors, printers, processors and all types of electronic office equipment. Tear resistant and low lint properties makes them perfect for use on delicate surfaces. Ideal for use with Servisol Computer Care Foam Cleaner and Screen Cleaner.

Highly absorbent, soft, low-lint material, Good wet strength – does not disintegrate in use, Can be used on a wide variety of surfaces including glass, plastics, metals, LCD, TFT and Filter Screens, 25 wipes (170mm x 170mm) supplied in resealable plastic bag

Order Code	Type
6100050060	DRY CLEANING CLOTHES - 25 pcs

ENGINEERS WIPES

ENGINEERS WIPES are high quality, lint free cloths designed for the general cleaning and drying of all surfaces including glass, plastics, rubbers, metals, LCD and filter screens. These wipes are specifically designed to be tear – resistant and non linting, which makes them ideal for use on delicate surfaces.

Excellent wet strength, resists tearing, Highly absorbent Suitable for use with water based and solvent based cleaners, Can be used on a wide variety of surfaces including glass, plastic, metals, LCD, TFT and filter screens 300mm x 350mm wipe supplied in resealable plastic pouch Can be rinsed and reused for increased economy

Order Code	Type
6100005103	ENGINEERS WIPES - 50 pcs

PRECISION LUBRICANTS

SUPER 40

Servisol

SUPER 40 A highly effective, multi-purpose protective lubricant and moisture repellent developed for electronic devices and appliances.

Four products in one. Displaces moisture from electrical equipment, excellent lubricant, protects against rust and corrosion, effective penetrating oil. Safe on painted finishes, plastics and all metals.

Order Code	Type
6100008000	SUPER 40 - 400 ml

SUPER 10

Servisol

SUPER 10 is a highly efficient switch and contact cleaner. It offers a combination of high purity electrical cleaning and mechanical lubrications for contacts, switches and relays.

Removes grease, tarnish, oxidisation and other contamination from contact surfaces and leaves a protective conductive lubricating film. Cuts voltage drop between contacts by increasing the surface area and reducing resistance. The residual film resists drying and the attraction of dust. Eliminates contact bounce and stops the damage which can be caused by arcing between contacts. Improves the current flow and protects against friction.

Order Code	Type
6100001300	SUPER 10 - 200 ml

SILICONE GREASE 50 and 70

Servisol

SILICONE GREASE 50/70 A multi purpose lubricant, insulating and weatherproofing agent, based on premium quality synthetic silicone oils.

Application: High surface resistivity and excellent resistance to tracking, arcing and corona discharge. Ideal for switch contacts, ignition systems and EHT connections.

Order Code	Type
6100010000	SILICONE GREASE 70 - 200 ml spray
6200002000	SILICONE GREASE 50 - 50 gr. tube

SUPER 200

Servisol

SUPER 200 A multi purpose, high grade lubricant with PTFE for long lasting lubrication and protection on moving parts in office equipment, domestic appliances and similar machinery.

Application: Reduces friction and wear. Cleans, lubricates and protects. Displaces moisture, prevents corrosion. Ideal for use on fuser units in photocopiers and printers and other mechanisms such as locks, hinges, tracks, clutches, bearings, chains and gears.

Order Code	Type
6100022000	SUPER 200 - 200 ml

SILICONE LUBE 210

Servisol

SILICONE LUBE 210 is a general purpose silicone lubricating spray. It is clean, high heat resistant, non-staining, resists oxidation and corrosion, repels moisture, reduce friction and wear, eases difficult installations and provides good light lubrication, especially where a clear film is desired.

Application: The product provides a fine, non drying coating which has many desirable properties for use in maintaining and servicing brown and white electrical goods, mechanical and automotive devices.

Order Code	Type
6100023000	SILICONE LUBE 210 - 400 ml

SERVISOL SPECIALITIES

ANTI-STATIC 90

Servisol

ANTI-STATIC 90 Helps to protect electrical equipment by preventing the build up of static electricity. Stops the attraction of airbourne dust. Leaves no residue. Safe on plastics, polished metal and wooden surfaces.

Application: Television screens, monitors, cabinets, fluorescent lights.

Order Code	Type
6100013000	ANTI-STATIC 90 - 200 ml

FREEZE-IT 20/25

Servisol

FREEZE-IT 20/25 and 21/26 Rapid cooling agent for locating faults in electronic components. FREEZE-IT 21/26 Inhibits the build up of static charge, making it ideal for use on static sensitive electronic components. Reduces component temperature to –50OC. Non-Flammable.

Application: Instant fault finding on electronic equipment, such as PCB's, Transistors, Resistors, Condensers and Intermittent dry joint connectors. Other uses include cooling thermally sensitive parts during soldering or calibration, shrink fitting of metal assemblies and chewing gum removal.

Order Code	Type
6100003000	FREEZE-IT 20 - 200 ml
6100003510	FREEZE-IT 25 - 400 ml

DE-FLUX 160

Servisol

DE-FLUX 160 is a unique blend of solvents, formulated specifically for removal of fluxes and residues.

Application: Removes all organic and inorganic fluxes and residues from PCBs and electronic components. Penetrates thoroughly into contamination and evaporates completely after use, leaving parts clean and dry.

Order Code	Type
6100019000	DE-FLUX 160 - 200 ml

CHEMICAL AGENTS

PLASTIC SEAL 60 and 65

PLASTIC SEAL 60/65 Protective coating for PCB's and electronic components. Cures on exposure to air leaving a thin insulating film which protects against humidity, air pollution and environmental attack. Film can be soldered through to facilitate 'spot' repairs.

Also prevents arcing on high voltage circuits, protects against oxidation and corrosion, weather proofing external parts and prevents short circuits on ignition systems.

Order Code	Type
6100009000	PLASTIC SEAL 60 - 200 ml
6100009500	PLASTIC SEAL 65 - 400 ml

EASY THAW 190

EASY THAW 190 is an effective formulation that simplifies defrosting fridges and freezers. It will also quickly release frozen car door locks.

Application: Spray directly onto ice, allowing time to penetrate. Wipe dry before replacing food. Reduces the need for scraping or chipping and saves time.

Order Code	Type
6100021000	EASY THAW 190 - 200 ml

BUTANE REFILL 220

BUTANE REFILL 220 High quality, ultra pure butane gas for refilling portable gas soldering irons, glue guns and other refillable appliances.

Order Code	Type
6100024000	BUTANE REFILL 220 - 200 ml

HEAT SINK COMPOUND with Silicone

HEAT SINK COMPOUND High thermal conductivity. Low moisture and metallic impurity content make it suitable for a wide variety of applications within the electronics industry. With Silicone.

Application: Excellent contact material when mounting semi-conductor's devices onto heat sinks. Operational from –50OC to +200OC.

Order Code	Type
6200001000	HEAT SINK COMPOUND - 25 gr Tube

HEAT SINK COMPOUND without Silicone

HEAT SINK COMPOUND without Silicone is recommend for use on electrical and electronic components that require improved thermal conductivity or the efficient dissipation of heat. It will not cause problems associated with the use of silicone, such as high contact resistance and soldering difficulties.

Application: It can be used on diodes, transistors, heat sinks, semi-conductors, thermostats, power resistors and radiators. It is presented in a handy to use syringe format, 2ml, 10ml and 35ml sizes cover a wide variety of applications. This syringe allows pin-point application and minimises wasteful over-application. –50OC to +130OC

Order Code	Type
6200001002	HEAT SINK COMPUND NON SIL - 2 ml Syringe
6200001010	HEAT SINK COMPUND NON SIL - 10 ml Syringe
6200001035	HEAT SINK COMPUND NON SIL - 35 ml Syringe

SOLDAMOP

SOLDAMOP is manufactured using high purity oxygen-free and oil free fine gauge copper wire. The wire is specially impregnated with flux, which cleans thoroughly during the desoldering process. The flux coating also provides long lasting protection of the copper wire from the effects of oxidation.

Application: For use throughout the electrical and electronics industries on applications such as freeing components, desoldering plated through holes and preventing shorts by removing solder bridges. Soldamops help with quick and efficient desoldering, leaving joints clean and ready for re-working.

Order Code	Type
6200004300	SOLDAMOP 0,8 mm x 1,5 m
6200004305	SOLDAMOP 1,5 mm x 1,5 m
6200004320	SOLDAMOP 2,5 mm x 1,5 m
6200004325	SOLDAMOP 2,5 mm x 10 m

SOLDAMOP NO-CLEAN

SOLDAMOP NO-CLEAN is manufactured using high purity oxygen free and oil free fine gauge copper wire. It is impregnated with a special 'No-Clean' flux. This flux significantly improves the wicking action of the braid. The residue left behind is halide free and non-conductive which means it does not need to be cleaned off.

Application: For use throughout the electrical and electronics industries on applications such as freeing components, desoldering plated through holes and preventing shorts by removing solder bridges. Soldamop No-Clean quickly and efficiently aids the de-soldering process and removes the need for subsequent cleaning.

Order Code	Type
6200004350	SOLDAMOP NO-CLEAN 0,8 mm x 1,5 m
6200004355	SOLDAMOP NO-CLEAN 1,5 mm x 1,5 m
6200004360	SOLDAMOP NO-CLEAN 1,5 mm x 10 m
6200004370	SOLDAMOP 2,5 mm x 10 m
6200004375	SOLDAMOP NO-CLEAN 2,5 mm x 10 m

ADHESIVES

ADHESIVE 120

ADHESIVE 120 is a permanent, high-strength adhesive, specially formulated without chlorinated solvents.

Application: Ideal for a wide range of materials and substrates, including wood, metal, plastic, rubber, glass, paper, card and felt. Suitable for applications such as fixing television cabinet veneers and speaker coverings.

Order Code	Type
6100015500	ADHESIVE 120 - 500 ml

SUPERGLUE

SUPERGLUE when compared to other Low Viscosity Cyanoacrylates, outperforms most products for cure speed, final cured strength and simply the wide range of difficult plastics and elastomers it can bond.

Application: For example, Nitrile, Neoprene and natural rubbers can be bonded in 1-2 seconds and all the bonds are stronger than the material itself. Plastics such as ABS, soft PVC, Polyacetal, EPT and EVA all bond in 1-2 seconds and the bonds are stronger than the material being bonded. Metals such as Steel, Aluminium, Copper and Brass all bond in under 5 seconds and the bond strengths are superior to other manufacturers low viscosity products.

Order Code	Type
6200006000	SUPERGLUE PEN 5 - 5 gr
6200006005	SUPERGLUE 5 PACK - 5 x 5 gr
6200006010	SUPERGLUE - 10 gr

NUTLOCK

NUTLOCK is an Anaerobic formulation designed to be used on parts in an "As Received" condition, such as those with protective films (oils) etc.

Application: Servisol Oil Tolerant Nutlock is designed for direct application onto as received parts where a light oily film exists or where surrounding parts contamination is a problem in maintenance.
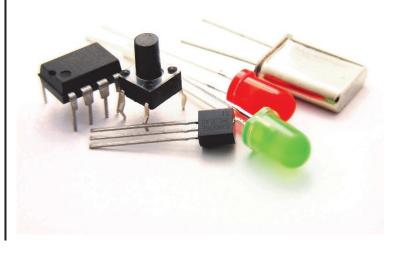
PLASTIC BONDING KIT

PLASTIC BONDING KIT when compared to other Low Viscosity Cyanoacrylates, outperforms most products for cure speed, final cured strength and simply the wide range of difficult plastics and elastomers it can bond.

Application: For example, Nitrile, Neoprene and natural rubbers can be bonded in 1-2 seconds and all the bonds are stronger than the material itself. Plastics such as ABS, soft PVC, Polyacetal, EPT and EVA all bond in 1-2 seconds and the bonds are stronger than the material being bonded. Metals such as Steel, Aluminium, Copper and Brass all bond in under 5 seconds and the bond strengths are superior to other manufacturers low viscosity products.

Order Code	Type
6200006020	PLASTIC BONDING KIT

INTRODUCING
about our company

ESD SERVICES
esd trainings and services

ESD GARMENTS AND ESD SHOES
esd fabrics, garments styles, esd shoes, esd safety shoes

EPA AREA
esd flooring, esd packaging and warehouse system, esd furniture, esd chairs, ionizers

ESD FLOOR PROTECTION
deep cleaning process, esd long life PU sealer

ESD INSTRUMENTS
esd testers and esd entrance systems, esd instruments

HANDTOOLS AND MACHINES
tweezers and handtools, counting machines, pre-forming machines and tools, dino-lite esd digital microscopes

SOLDERING TECHNOLOGIES
edsyn soldering technology, thermaltronics soldering technology

CHEMICALS
esd chemicals, chemicals for electronic industries

D ÉS TSA. BT.

Sales Office and Warehouse:
2600 Vác, Hungary
Szent László út 23/6.

E-mail: sales@destsa.hu
Phone: +36 27 502 555 / +36 27 502 556
Fax: +36 27 502 555

www.dlb.hu

2016