elme

YOUR STATIC CONTROL COMPANY

Is a brand of

eurosaft

ESD CATALOG

ESD TOOLS

ESD BRUSHES

Art. EB-01B
Vertical brush for residues removal. Metal handle and synthetic bristles, fully conductive. Bristles area: 3mmx12mm. Bristles length 25mm
.

Art. EB-WA
Vertical brush for residues removal. Plastic handle and synthetic bristles, fully conductive. Dimensions: 142mm. Bristles area: 22mmx10mm. Bristles length 12mm
.

Art. EB-30
Toothbrush style to remove residues, plastic handle, synthetic bristles. Dimensions: 190mm , bristles area: 35mm x 8mm. Bristles length 12mm

Art. EB-NAIL-2
Small nailbrush to remove residues. Plastic protected handles, synthetic bristles. Dimensions 20x70mm. Bristles length 12mm

ELME ESD BRUSH EBNAIL-2

Art. EB-200
Large brush to remove residues. Plastic protected handle, synthetic bristles. Dimensions 150X45X70mm - bristles length 22mm

Art. EB-PRO
Bigger nailbrush style. Plastic protected handle, synthetic bristles. Length 120mm, bristles area 80x40mm, bristles length 22mm

BONPENS

Re-usable flux applicator, replaceable felt tip and cartridge, 7cc capacity, fine point, flexible shaft, controlled application - no mess, used with wash/non wash or strong acid flux, excellent for precise applications.

Art. BONPEN 102
Art. BONPEN TIPS 102

ESD PUMP BOTTLE

Permanently static-dissipative 177ml (6oz) bottles. Minimize charges when moved or lifted. With low internal contamination, the special plastic will not contaminate contents. Comfortable one handed operation is perfect for cleaning with swabs and brushes.

Art. E-SPATULA

ESD CLEANING SPATULA
Art. E-SPATULA

Designed to clean-off soldering paste. Made of ESD conductive plastics. Temp.: -30°C to +80°C.
Dimensions: 76x205mm

ESD VACUUM PICK-UP FOR SMD
Art. VAMPIRE CLASSIC

Vampire is the new battery-free hand held vacuum pick up pen designed for the safe pick-up of SMD components during assembly, test and rework processes. With fountain-pen dimensions, Vampire grabs, lifts and places components in complete safety, aided by a powerful internal piston and a full ESD protection. A complete choice of tips designed for any size of SMD component helps the operator to have always the right tool in hand. The Classic Vampire includes curved and straight needles, plus 4,6,and 9mm ESD cups. The solid plated aluminium body, the powerful piston mechanism, the ergonomic grip make Vampire the best portable tool for SMD on the market.

Art V-CL REPLACEMENT SET replacement set includes 2 needles (straight and angled) , 3 different cups sizes, liquid reservoir

3
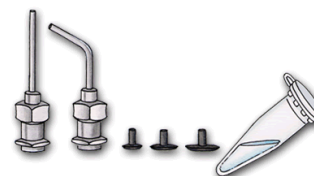
ESD MINI INSPECTION MIRRORS
Art. EMR VISION SET

EMR VISION SET is designed to provide the best mini-mirrors to perform accurate optical inspection on pcboards, BGA, various smd components. In combination with magnifiers, lenses, lamps, microscopes the EMR mini-mirrors will allow the operator to view and inspect the hidden sides and corners, to view under the components on the board.

- 3 different shapes (T-shape, square and mini-side) available
- Flexible needles will allow to adjust to the correct angle of vision
- Scratch-proof mirrors
- ESD case to protect the mirrors when not in use
- Stainless steel universal handle
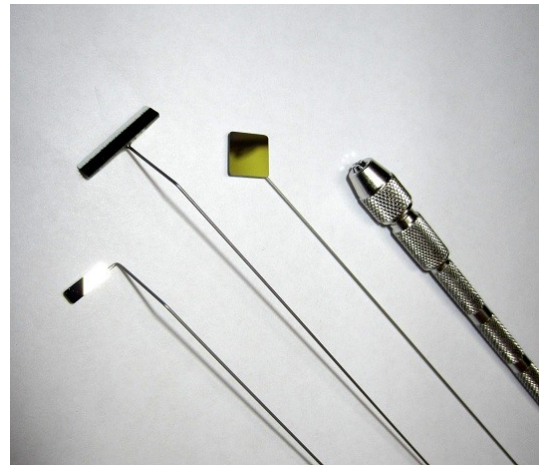
ESD INSPECTION LAMPS WITH LENSES
Designed with all ESD conductive groundable parts. Ask for specific technical sheet.

Art. SQUARE 44
Reach: 80-90cm, with lens size 155x190mm, for the best stereo effect
3-Dioptre lens = 175% magnification, Lamp: 60 led's 6000 K,
25, 50, 75, 100% light dimmer
Connection with table clamp, colour black.

Art. ROUND 34 & Art. ROUND 24
Max reach: 95cm, with lens diam. 180mm and 125mm for the best stereo effect
3-Dioptre lens = 175% magnification, Lamp: 84 and 60 led's 6000 K,
25, 50, 75, 100% light dimmer
Connection with table clamp, colour black.

MARKING NEEDLE DISPENSING PENS
Art. MARKER PEN

The MARKER PEN is designed to dispense water-based coloured ink drops and lines (removable or permanent) in order to mark visible signs on different surfaces (i.e. PCBs, components, textiles, plastics) during test, quality controls, production processes. Different colours available, different densities and needle sizes. Allows drops, lines, lettering and markings.

EUROSAFT
MARKER PEN

LCR METER TWEEZER
Smart Tweezers™ is a handheld LCR meter. It provides a perfect solution for testing and identification of Surface MountDevices as well as trouble shooting of complex electronic systems, combining a pair of precise gold-plated tweezers and a digital LCR meter in a battery powered tool. The probe is able to measure resistance,capacitance, inductance.

Art. SMART TWEEZER ST-5

- Built-in high-precision LCR probe
- Convenient one-hand operation
- Ideal for Surface Mount Devices
- Automated component identification
- Automated test range selection
- Manual C, R, L, Z and ESR modes
- Adjustable test signal levels
- Precise tips for small-size devices
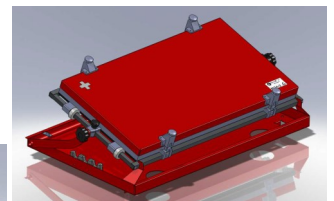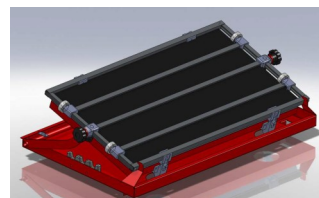- Diode Polarity/Short Testing
- Secondary D, Q and ESR parameters

ESD SAFE PC BOARD BENCH HOLDERS
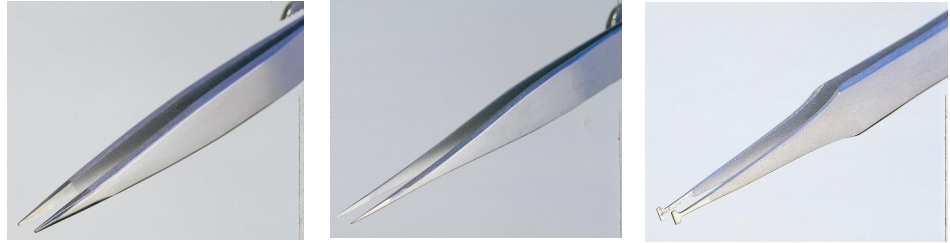
The antistatic circuit board holders PCSA Series offer a stable and adjustable bench support for the assembly of circuit boards of any size.

Art. PCSA 1	work surface: 290x280mm
Art. PCSA 2	work surface: 520x280mm
Art. PCSA 4	work surface: 520x410mm

TWEEZERS

0 SA	Tweezers with fine tips		15 Carbone	Tweezers with short and cutting flat blades - CARBON
00 SA	Tweezers with flat and thick tips		15A Carbone	Tweezers for cutting springs and small wires; cutting tip - CARBON
00B SA	Tweezers with flat and thick tips, externally serrated		15AC Carbone	Same as 15A, but with smaller head - CARBON
00C SA	Tweezers with flat and thick tips		15AP Carbone	Same as 15A, but with parallel cut along the blades - CARBON
00D SA	Tweez with flat, heavy, internally serrated tips & externally serrated		18 SA	Tweezers for straightening or flattening small wires
0A SA	Tweezers with very fine tips, ideal for watch-repairers		19 SA	Tweezers serrated internally and externally on the handles
0C9 SA	Flat tweezers with very fine tips and thin blades		19P SA	Same as 19, but with bent tips
0C10 SA	Flat tweezers with very fine tips and thin blades		26 SA	Tweezers with very strong and flat tips
0C11 SA	Flat tweezers with very fine tips and thin blades		27 SA	Same as 26, but with thinner blades
0R SA	Tweezers with fine tips and thin blades with reverse action		29D/16 SA	Tweezers for removing dips, 16mm
1 SA	Tweezers with strong tips and thin blades		29D/22 SA	Tweezers for removing dips, 22mm
2 SA	Tweezers with sharp blades and strong tips		29D/28 SA	Tweezers for removing dips, 28mm
2A SA	Tweezers with rounded and flat tips		30D/16 SA	Tweezers with curved tips for removing dips, 16 mm
2AB SA	Tweezers with rounded and bent tips		30D/22 SA	Tweezers with curved tips for removing dips, 22 mm
2AR SA	Tweezers with rounded and flat tips with reverse action		30D/28 SA	Tweezers with curved tips for removing dips, 28 mm
2AT SA	Tweezers with rounded and flat teflon tips		31D/28 SA	Tweezers with large and flat tips for removing dips, 28 mm
3 SA	Tweezers with strong tips and thin blades		31D/40 SA	Tweezers with large and flat tips for removing dips, 40 mm
3C SA	Tweezers with strong tips and thin blades		33 SA	Tweezers with reverse action
3D SA	Tweezers with three teeth for wafer handling		33A SA	Same as 33, but with bent tips
3DT SA	Tweezers with three teflon teeth for wafer handling		34A SA	Tweezers with flat tips for handling of very small parts
4 SA	Tweezers with very fine and sharp tips		35A SA	Tweezers for handling of flat parts like wafers and flat capacitors
4A SA	Tweezers with sharp and strong tips		36A SA	Tweezers with flat and angled tips for handling of very small parts
4D SA	Tweezers with four teeth with flat lower tip for wafer handling		37S SA	Wafer handling tweezers with stop pins
4DW SA	Tweezers with flat lower tip for wafer handling		38 SA (SMD)	Tweezers with a hole on the tip, Ø 1mm
4R SA	Tweezers with very fine and sharp tips with reverse action		40A SA (SMD)	Tweezers with a rhombus-shaped hole on its tip, Ø 0,71mm
5 SA	Tweezers with very fine and sharp tips, ideal for SMD applica-		51S SA	Tweezers with very fine tips bent at 40°
5A SA	Tweezers with very fine, sharp and oblique tips		62A SA	Tweezers with flat, rounded and bent tips
5AR SA	Same as 5A, but with reverse action		65A SA	Tweezers with long & thin form and very fine tips bent at 40°
5B SA	Tweezers with very fine and sharp tips, tips bent at 40°		85A SA	Tweezers for wafer handling
5C SA	Tweezers with sharp and strong tips; similar to 5 but shorter		85C SA	Tweezers for wafer handling
5D SA	Tweezers with five teeth with flat lower tip for wafer handling		85L SA	Tweezers for wafer handling
5DW SA	Tweezers with flat lower tip for wafer handling		110N Nylon	Nylon acid proof tweezers
6 SA	Tweezers with fine hook-shaped tips		102 SA (SMD)	Tweezers for handling of chips and SMD components; angled tips
6D SA	Tweezers with six teeth with flat lower tip for wafer handling		102R SA (SMD)	Same as 102, but with reverse action
6DWF SA	Tweezers with six teeth with bent lower tip for wafer handling		103 SA (SMD)	Tweezers for handling of chips and SMD comp; angled & bent tips
7 SA	Tweezers with very fine and bent tips		103R SA (SMD)	Same as 103, but with reverse action
7A SA	Same as 7, but with stronger tips		104 SA (SMD)	Tweezers for handling of SMD components
7B SA	Same as 7, but with blades internally serrated		105 SA (SMD)	Tweezers for handling of SMD components; bent tips
7E SA	Same as 7, but with flat & bent tips		106 SA (SMD)	Tweezers for handling of SMD components
7R SA	Same as 7, but with reverse action		107 SA (SMD)	Tweez for handling of SMD components; hole in the tips Ø 0,75 mm
8 SA	Tweezers for bending and straightening wires and small pins		108 SA (SMD)	Tweezers for handling of SMD components
11 Nickel	Tweezers with strong tips - NICKEL		109 SA (SMD)	Tweezers for handling of SMD components
12 Nickel	Tweezers with strong tips - NICKEL		110 SA (SMD)	Tweezers for handling of SMD components
13S SA	Tweezers with strong, flat and serrated tips		111 SA (SMD)	Tweezers for handling of SMD components

CUTTERS, STANDARD AND ESD VERSIONS

TR 20 M	Tool for a flush cut with pointed and small head
TR 20 MA	As above but with safety clip
TR 20 SM	Tool for a flush cut with pointed and small head, but with rounded edges
TR 20 SMA	As above but with safety clip
TR 20 TM	Tool angled at 50° for the cutting of integrated circuit pins
TR 20 VM	Tool angled at 60° for a front and flush cut
TR 2050 M	Particularly thin nose tool angled at 50° for a flush cut
TR 25	Tool for a flush cut
TR 25 A	As above but with safety clip
TR 25 B	Tool for a rounded flush cut
TR 25 L	Same as TR-25, but with longer handles
TR 25 LA	As above but with safety clip
TR 25 L 25	Tool angled at 25° for a flush cut and longer handles
TR 25 L 25 A	As above but with safety clip
TR 25 P	Tool for a flush cut with particularly sharp cutting blades
TR 25 PA	As above but with safety clip
TR 25 15	Tool for a reverse flush cut at 1.5mm from the surface
TR 25 15 L	As TR-25-15, but with longer handles
TR 25 50	Tool angled at 50° for a flush cut
TR 30	Tool for a flush cut
TR 30 A	As above but with safety clip
TR 30 B	Tool for a rounded flush cut
TR 30 T	Tool 50° angled for the cutting of integrated circuit pins
TR 30 V	Tool angled at 60° for a front, clean and flush cut
TR 30 10	Tool for a clean, flush cut at 1 mm from the surface
TR 30 15	Tool for a clean flush cut at 1,5 mm from the surface
TR 30 15 V	Tool angled at 60° for a front cut at 1,5 mm from the surface
TR 30 58	Tool for a chamfered cut
TR 30 58 A	As above but with safety clip
TR 30 58 R	Tool for a flush cut
TR 30 58 RA	As above but with safety clip
TR 58	Tool for a chamfered cut
TR 58 A	As above but with safety clip
TR 58 R	Tool for a flush cut
TR 58 RA	As above but with safety clip
TRR 58	Strong tool for a chamfered cut
TRR 58 A	As above but with safety clip
TRR 58 B	Strong tool for rounded flush cut
TRR 58 G	Very strong tool for a flush cut
TR 5000	Strong tool for a chamfered cut
TR 5000 A	As above but with safety clip
TR 5000 B	Strong tool for rounded flush cut. Suitable for works with plastic
TR 5000 P	Strong tool for a chamfered cut with pointed cutting blades
TR 5000 PA	As above but with safety clip
TR 5000 PG	Strong rounded flush cutter with pointed, well finished cutting blades
TR 5000 PR	Strong tool for a flush cut, with very sharp cutting edges
TR 5000 PRA	As above but with safety clip
TR 5000 R	Strong tool for a flush cut
TR 5000 RA	As above but with safety clip
TR 5000 V	Special tool angled at 60° for a front, flush cut
TR 5000 W	Tool for a front, flush cut, with cutting height adjustment from the surface
TR 5000-10	Tool for a front cut at 1 mm from the surface
TR 5000-13	Tool for a front cut at 1,3 mm from the surface
TR 5000-15	Tool for a front cut at 1,5 mm from the surface
TR 5015	Strong tool for a clean and flush cut at 1,5 mm from the surface
TR 5020	Strong tool for a clean and flush cut at 2 mm from the surface
TR 5045 V	Tool angled at 45° for a front, flush cut
TRR 5000	Strong tool for a chamfered cut.
TRR 5000 A	As above but with safety clip
TRR 5000 B	Strong tool for rounded flush cut. Suitable for works with plastic

ESD VACUUM CLEANERS

PORTABLE VACUUM CLEANERS

Vacuum cleaners for E.P.A. s, designed with lightweight materials and high power engines, low vibrations and optimal filtration

Art. ASPIRO ESD S-GS

Vacuum cleaner, PP fully conductive body, 3m cable shucko plug

Art. ASPIRO ESD SE-GS

Vacuum cleaner, PP fully conductive body, 3m cable shucko plug, electronic control

Art. ASPIRO ESD S-GS HEPA

Vacuum cleaner, PP fully conductive body, 3m cable shucko plug, HEPA filter

Art. ASPIRO ESD SE-GS HEPA

Vacuum cleaner, PP fully conductive body, 3m cable shucko plug, electronic control, HEPA filter

PROFESSIONAL VACUUM CLEANERS ON WHEELS

Vacuum cleaners on wheels for E.P.A. s, designed with lightweight materials and high power engines, low vibrations and optimal filtration

Art. ASPIRO ESD PRO 8 S-GS - ISO 7
Vacuum cleaner, PP fully conductive body,
Art. ASPIRO ESD PRO 8 SE-GS—ISO 7
Vacuum cleaner, PP fully conductive body, electronic control

Art. ASPIRO ESD PRO 8 S-GS - ISO 4
Vacuum cleaner, PP fully conductive body,
Art. ASPIRO ESD PRO 8 SE-GS—ISO 4
Vacuum cleaner, PP fully conductive body, electronic control

ASPIRO ESD PRO 8 MAIN FEATURES

- CONTROLLED SOFT (SR : 10E7 - 10E8 OHMS/SQ.) ESD-SAFE STATIC DISCHARGE FROM HOUSING AND VACUUM NOZZLES TO EARTH POWER OUTLET.
- EPA COMPLIANT TO IEC 61340-5-1
- EEC MADE TOP QUALITY ELECTRICAL & ELECTRONIC COMPONENTS FOR UTMOST RELIABILITY AND GLOBAL USE.
- UNIT OVERHEATING PROTECTED & RFI/EMC FILTER EQUIPPED.
- EASY TO MOVE AROUND THANKS TO LOW MOTOR MOUNT, WHEEL WELL PROTECTED CASTOR AND ROBUST REAR WHEELS.
- 10 METERS DETACHABLE SCHUKO OR FUSED UK PLUG CORDSET.15 METERS ACTION RANGE.
- LIFT OFF WING SHAPED QUICK STORAGE CORDSET HOLDER.
- EPA HOSE ASSEMBLY EXTENDING FULL 3 METERS !
- METAL BEND HANDLE C/W AIR REGULATOR, STEEL MINI EXTENSION TUBE SET AND WHEELED FLOOR/BRUSH TOOL FOR FLOORS, WALLS AND CEILINGS.
- CREVICE NOZZLE, FLEXIBLE RUBBER NOZZLE AND DSHAPE BRUSH NOZZLE FOR DETAILED CLEANING.
- 12 L FILTERBAG CAPACITY. UNIT AVAILABLE IN TWO CLEANROOM ISO 14644-1 FILTER SET-UP'S.
- OVERSIZED MOTORFILTER ENSURES STEADY AIRFLOW EXTENDING BOTH MOTOR & FILTER LIFE. ELIMINATES PREMATURE CLOGGING.
- OPTIONAL BLOW ASSEMBLIES TURNS UNIT INTO A VERY POWERFUL BLOWER. A GREAT ALTERNATIVE TO COMPRESSED OR COSTLY CANNED AIR (GAS DUSTERS).
- 100V & 120V VERSIONS AVAILABLE.

SIZE: 39 x 34 x 42,5 cm (LxWxH). **WEIGHT** : 6 kg (APPLIANCE)