

DESCO EUROPE



Vinh Thái®

Local Supply - Global Quality



**The Specialists
in ESD Protection**



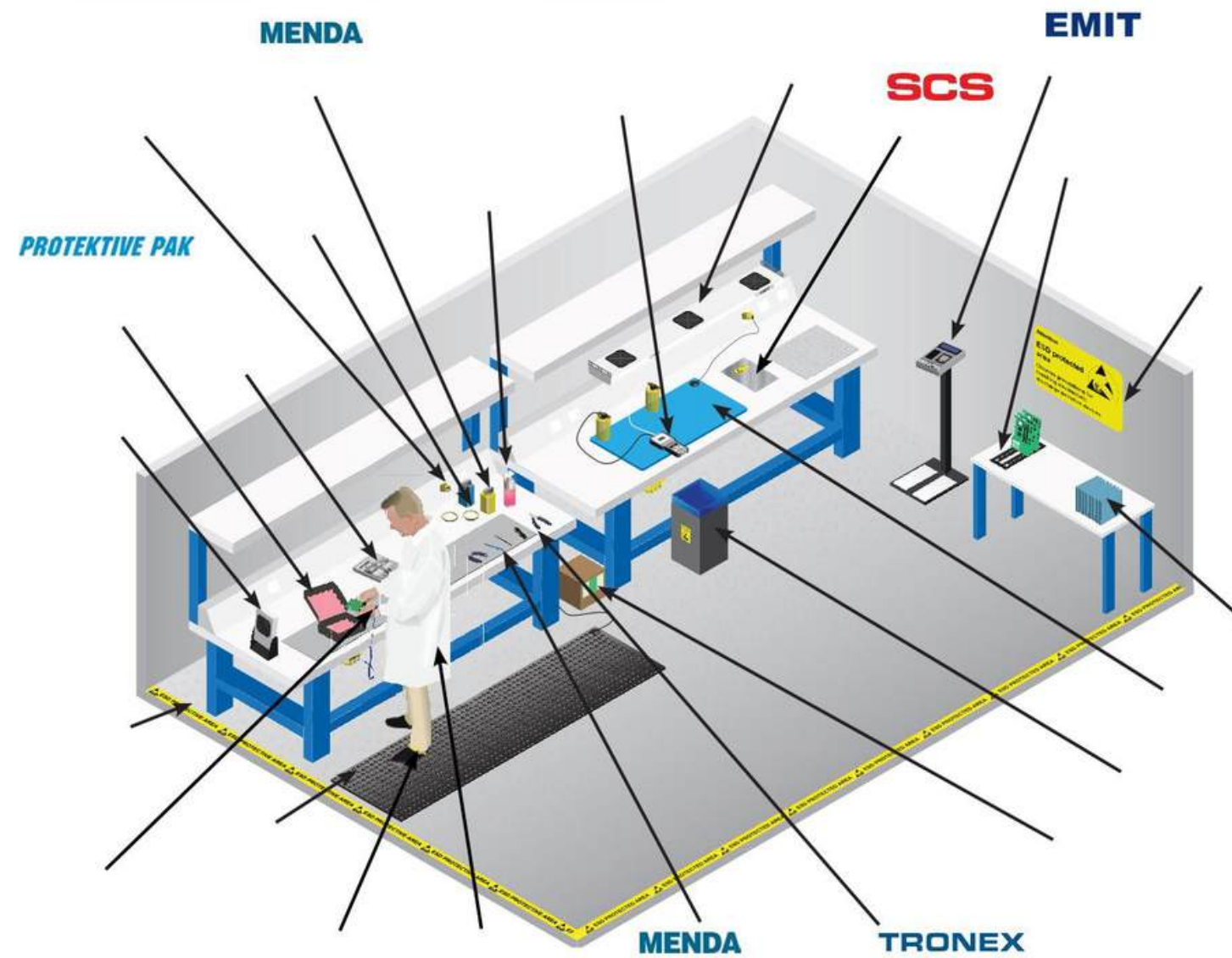
Made in the United
States of America



Made in the
United Kingdom



DESCO EUROPE





Single Wire Adjustable Wrist Straps



- Meets IEC 61340-5-1, tested per ANSI/ESD S1.1
- No metal on skin contact, no skin allergies
- Widely adjustable, elasticated fabric band

Item	Colour	Stud Size
22998	Light Blue	10 mm
0	Red	4 mm
22997	Yellow	10 mm
4	Dark Blue	4 mm

22998
4
22997

Coiled Cords



- Conductor is high strength 7-end duplex tinsel for strength and flexibility
- Dielectric strength: cords withstand 1250 volts DC for at least one minute

Item	Terminations	Cord
23013	10 mm / 10 mm	1
0	4 mm / 4 mm Plug	m 2 m 2 m
23017	10 mm / 4 mm	

0
23027

3

Featured Product

Dual-Wire MagSnap 360™ Metal Wrist Straps



To see the full range of wrist straps visit DescoEurope.com

Item	Size
1990	Small
0	Medium
1990	Large

1

- Meets IEC 61340-5-1, tested per ANSI/ESD S1.1
- 360° rotation between wristband and coiled cord; designed to promote comfort, freedom of motion, and reduce strain on the operator's wrist
- Magnetic connection between wristband and coiled cord; creates a superior electrical connection to eliminate intermittent failures in traditional snap connections using springs
- Medical grade series stainless steel backplate and links; creates a more reliable path-to-ground for the operator and is ideal for use with low voltage style monitors

Reztore® ESD Hand Lotion

To see the full range of Reztore® products visit DescoEurope.com



Item	Size
229630	235 ml

- Improves reliability of path-to-ground when using wrist straps, ESD gloves, or ESD footwear
- Will not insulate skin like regular lotions
- Dissipative formulation creates a superior path to ground.
- Silicone-free - Non-contaminating and solder-safe; free of chemicals that may adversely affect solderability or cause corrosion of electronic components
- Contains Vitamins A, D, and E
- Enriched with aloe vera
- Mild peach scent

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Front Sole Grounder

- Provides improved floor contact by covering the ball of the foot with conductive rubber
- Two D-Ring straps with hook and loop, and back clasp provide comfortable and secure fit

Item	Size
FSG1M-M	Medium
FSG1M-L	Large

PROTECTIVE PAIR

Disposable Conductive Booties

- Disposable conductive surgical style Booties are "one size fits all" with elastic opening
- Cleanroom compatible

Item	Unit
52016	Box of 150

Three Layer Non-Marking Foot Grounder

- Will not mark shoes or floors - reducing maintenance costs of touching up on floors
- Designed to satisfy footwear requirements of IEC 61340-5-1
- Top-of-the-line, extra wide bands of rubber
- Non-marking dissipative interior
- Date Coded for traceability

Item	Resistor
17252	1 Megohm

Heel Grounder with Hook and Loop Straps

- Economical model
- Double heel cup made of abrasion resistant neoprene
- Straps are hook and loop; hook is 10 cm long, loop is 36 cm

Item	Resisto
24855	1
5	Megohm
24856	1
0	Megohm

To see the full range of foot grounders visit DescoEurope.com

ESD Lab Coats

- Designed to satisfy groundable ESD Garment requirements of IEC 61340-5-1 per ANSI/ESD STM2.1
- 2 side pockets and 1 breast pocket
- Cuffs with snap-fastener
- Tough and durable material
- Composition: polyester (63%), cotton (33%) and conductive fibres (4%)
- Creates Faraday Cage effect
- Label with ESD protective symbol on breast pocket



Sizes	Lab Coat
Small	72151
Medium	72152
Large	72153
XLarge	72154



Statshield® Smocks

- Designed to satisfy groundable ESD Garment requirements of IEC 61340-5-1 per ANSI/ESD STM2.1
- Hip-to-cuff grounding allows your coil cord to snap to the hip of the smock for hands-free grounding, increasing productivity
- Minimum of 9% carbon conductive nylon fibers woven in chain-link design
- Creates Faraday Cage effect
- Panel To Panel Conductivity
- Label with ESD protective symbol on breast pocket

Sizes	Blue	Black
Small		
Medium	221420	221431
Large	221421	221432
XLarge	221422	221433



Featured Product

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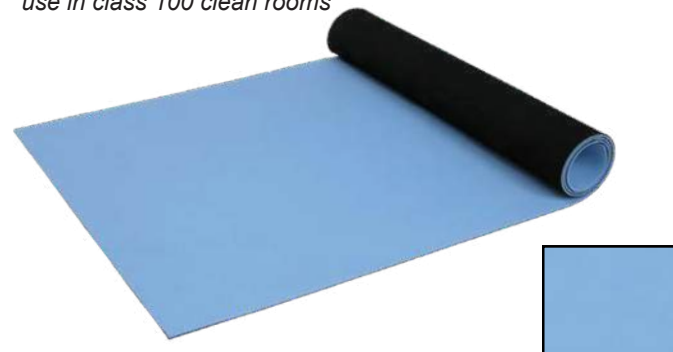


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Statfree® UC2 2-Layer Rubber

- Dissipative dual layer rubber material
- High strength nitrile rubber compound
- Dissipative (1×10^6 to $< 1 \times 10^9$ ohms Rtt) top colour layer
- Conductive ($< 1 \times 10^4$ Rtt) black bottom layer
- No detectable levels of silicone or DOP - normally suited for use in class 100 clean rooms



Item	Colour	Size
80108	Sky Blue	2 mm x 0.76 m x 12.2 m

Statfree® O 3-Layer Vinyl

- Dissipative three layer vinyl material

- Dissipative (1×10^6 to $< 1 \times 10^9$ ohms Rtt) top colour layer
- Conductive ($< 1 \times 10^4$ Rtt) black bottom layer



Item	Color	Size
8053	Blue	9.5 mm x 0.6 m x 18.3 m
0	Blue	0.9 m x 18.3 m

EVA Bench Matting & Shelf Lining

- Flexible, tough and fairly hard
- Offers excellent chemical resistance
- Mats supplied with four 10 mm studs
- Low cost



Item	Colour	Size
228290	Grey	1.5 mm x 1.2 m x 0.54 m

Featured Product

Statfree® T2 Plus Dissipative Dual Layer Rubber

- UV stabilisers ensure ESD performance over time and prevent physical deterioration
- Durable rubber material, dissipative on one side and conductive on the other
- Dissipative working surface, 1×10^6 to $< 1 \times 10^9$ ohms Rtt
- Lightly embossed surface



Item	Colour	Size
6640	Blue	1.5 mm x 0.6 m x 12.2 m
0	Dark Blue	0.6 m x 12.2 m x 1.5
6640	Grey	mm x 0.6 m x 12.2

6640

8

To see the full range of work surface matting visit DescoEurope.com

ESD Turntable

- Allows operator to rotate (bidirectional) heavy, large, awkward assemblies on a bench top without manual handling of the product
- Pre-installed Statfree T2™ Dissipative dual layer rubber mat top (1×10^6 to $< 1 \times 10^9$ ohms Rtt)
- 16 mm high profile
- Stainless steel construction
- 3 thumbscrew locks



Item	Size
237193	390 mm



Reztore® Alcohol-free Surface & Mat Cleaner

- Static dissipative solution: 1×10^6 to $< 1 \times 10^9$ ohms
- Does not contain silicone



Item	Description	Litre
1044	Spray Bottle	
6	Spray Bottle, 4	0.95
1044	pack Refill Box	0.45
7		9.5

1044

Reztore® Antistatic Coating

- Static dissipative solution (1×10^6 ohms Rtt)
- Keeps triboelectric charges well below 200 volts
- Long lasting hard coat formula
- Removes contaminating particulate



Item	Description	Litres
22901	Spray Bottle, 12 pack	1
4	Refill Box	10
22901		
5		

To see the full range of grounding kits visit DescoEurope.com

Earth Bonding Point Plugs

- Designed to provide a common ground point for grounding using protective earth in an ESD protected area (EPA).



Item	Description	Earth Bonding	Stud
23120	Point, UK Plug Earth Bonding		3 x 10 mm
0	Point, UK Plug Earth Bonding		1 x Binding Post
23122	Point, European Plug		3 x 10 mm

5

Universal Snap Kit

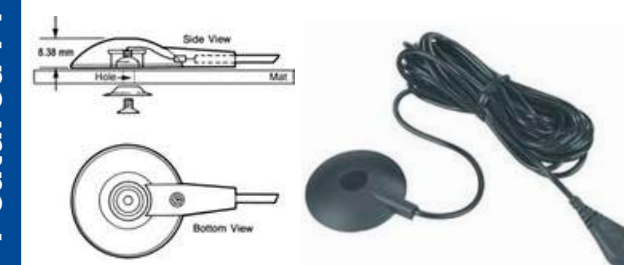
- Snap is user installable
- Kit includes a 10 mm stud, 10 mm socket, long screw, short screw, and label



Item	Description
230646	Universal Snap Kit, 10 mm

Mat Grounding Cord

- Low profile conical design reduces change of accidental detachment
- Stud has threaded hole which allows ground cord to be bolted to mat; preventing cord from disconnecting
- 10 mm snap stud



Item	Description
6048	10 mm stud to 10 mm socket, 1 Meg, 4.5 m
8	10 mm stud to M5 ring terminal, 1 Meg, 4.5 m

6047

4





FreeStyle 8400™ Interlocking Floor Tiles



Key Features

- Interlocks provide tile-to-tile electrical connection
- Quick installation eliminates downtime costs
- Tile can be easily cleaned and shine to a gloss while maintaining its electrical properties without the use of an ESD Floor Finish

Easy Installation

- No adhesive required
- Install over existing floors including concrete, wood, rubber, vinyl, composite tiles or other standard floors

Ideal Applications

- Static control
- Leased or rented space
- Access floors
- Problem Installations
- Renovations

To see the full range of FreeStyle 8400™ Interlocking Floor Tiles visit DescoEurope.com

8400 Series Statguard® Vinyl Floor Tile

- Resilient ESD high gloss, durable vinyl tiles
- Electrical resistance: < 1 x 10⁹ ohms
- Meets IEC 61340-5-1 flooring, tested per IEC 61340-4-1
- Available in a variety of colours

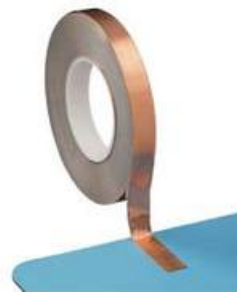


Item	Colour	Size
8427-36X3.2	Rev Black	3.2 mm x 914 mm x 914 mm

Contact us for a quote at Service@DescoEurope.com

Copper Earthing Tape

- Used for grounding ESD matting, polishes and paint
- Self-adhesive, with release paper backing



Item	Size
210315	0.15 mm x 19 mm x 50 m

Statfree G2™ Conductive Rubber Mat

- Conductive homogeneous rubber floor mat material
- Rp 1 x 10⁴ to 1 x 10⁵ ohms resistance per IEC 61340-5-1
- Superior heat, chemical, and wear resistance



Item	Color	Size
8010		1.5 mm x 1.2 m x 2.4 m
9	Black	1.5 mm x 1.2 m x 12.2 m
8011	Black	

SCS AFM Dissipative Anti-Fatigue Rubber

- Dissipative vinyl construction
- Heavy embossed texture that is slip and soil resistant
- Beveled edges
- Meets IEC 61340-5-1 flooring, tested per IEC 61340-4-1



Item	Colour	Size
AFM36720L1VGR	Grey	9 mm x 0.9 m x 18.2 m

Statguard® Floor Cleaner

- Formulated with dissipative agents that rejuvenate and improve the properties of floor finish
- Cleans all types of hard ESD floors



Item	Litres
1055	9.5
7	19

Statguard® Conductive Acrylic Statguard® Floor Stripper Latex Paint

- Meets IEC 61340-5-1 flooring tested per IEC 61340-4-1
- Easy to repair, touch up, and maintain
- Adheres to floor, walls, or wood furniture



Item	Colour	Litres
210221	Dark Grey	19

Statguard® Conductive Epoxy

- One coat system saves labour
- Two-part epoxy floor coating
- Epoxy is a tight cross-linking thermosetting epoxide polymer providing superior toughness and durability



Item	Colour	Litres
210225	Light Grey	15

Statguard® Dissipative Floor Finish

- Static dissipative zinc free floor finish that will convert non-ESD flooring to an ESD protective floor
- Easy to apply; 23% solids, improves productivity
- Produces beautiful, long lasting, durable finish, but easy to strip



Item	Description	Litres
10551	Statguard® Low-VOC Floor Finish	

Statguard® Floor Stripper

- Non-ammoniated and phosphate-free
- Low pH formulation (pH 10.5)
- Strips floor finish from vinyl, VCT, concrete, rubber, terrazzo, quarry tile, brick, slate, and unglazed ceramic



Item	Litres
220523	10

Floor Tape and Packaging Tape

- Tough, durable floor tape
- Quick-stick adhesive



Item	Description	Size
210310	Floor Marking Tape, English	50 mm x 66 m
91350	Aisle Marking Tape, English	76 mm x 32.9 m





Pink AntiStatic Bags with Write-on Panels and Zipper

- For use with non-ESD sensitive items destined for use in an EPA
- Economical
- Made of polyethylene, 0.075 mm thick



Item	Size	150 mm x
<u>20301</u>	200 mm	200
<u>5</u>	mm x	255 mm
<u>20302</u>	255 mm x	355
<u>5</u>	mm	
<u>20303</u>		
<u>0</u>		

Conductive Black Bags

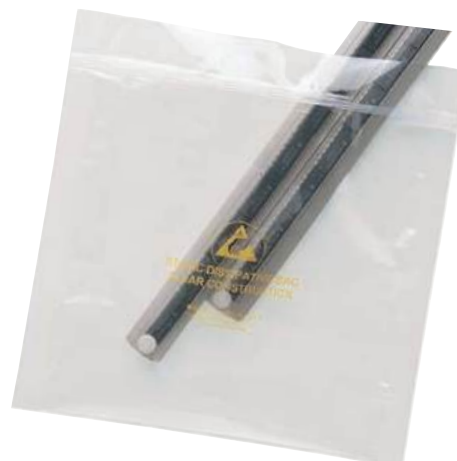
- Low cost
- Heat sealable



Item	Size	100 mm x
<u>20353</u>	100 mm	150
<u>1</u>	mm x	200 mm
<u>20357</u>	455 mm x	610
<u>6</u>	mm	
<u>20370</u>		
<u>0</u>		

Statfree® ESD Ultra Clear Bags

- Used for packaging of ESD sensitive item or non-ESD items in ESD protected area
- Can be used throughout an ESD Protected Area without risking damage to ESD susceptible products

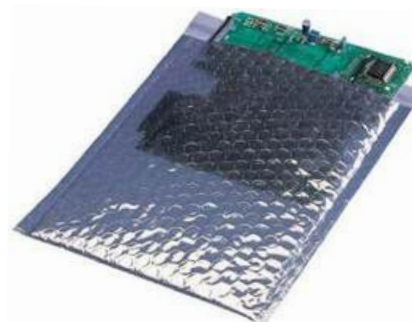


Item	Size	102 mm x 152
<u>1387</u>	mm	305 mm x 406 mm
<u>1</u>	102 mm x	152 mm,
<u>1387</u>	With Zip	305 mm x 457
<u>6</u>	mm, With Zip	
<u>1388</u>		
<u>0</u>		
<u>1388</u>		
<u>5</u>		

To see the full range of ESD Bags visit DescoEurope.com

Metal-In Shielding Bubble Bags

- Combines "Faraday Cage" and mechanical protection
- Shields as well as normal shielding bag of equivalent size



Item	Size	100 mm x 150 mm,
<u>200510</u>	25 mm Flap	150 mm x
<u>200515</u>	255 mm, 25 mm Flap	305
<u>200535</u>	mm x 405 mm, 50 mm	
	Flap	

1000 Series Metal-In Static Shielding Bags

- General use ESD shielding bag
- Exterior surface resistance: 1 x 104 to < 1 x 1011 ohms
- Thickness: 0.0028" (0.07 mm)
- Puncture resistance: 12 lbs

Item	Size
<u>10035</u>	76 mm x 127 mm
<u>100812</u>	203 mm x 305 mm



Dri-Shield® 2000 Series Moisture Barrier Bags

- Aluminium low barrier bags
- Cost effective
- Designed for moisture and ESD sensitive items
- Exterior surface resistance: 1 x 104 to < 1 x 1011 ohms
- Thickness: 0.0036" (0.09 mm)
- Puncture resistance: 20 lbs
- MVTR: ≤0.035 (gms / 100 in2 / 24 hrs, 100°F)

Item	Size	406 mm x
<u>70016</u>	457 mm	457
<u>18</u>	mm x	610 mm
<u>70018</u>		
<u>24</u>		



Desiccant

- SCS Desiccant pouches absorb moisture that passes through the bag laminate
- Desiccant is packed inside white non-woven Tyvek® pouches, and is shipped in sealed pails
- Use with Moisture Barrier Bags and Humidity Indicator Cards



Item	Size
<u>1/2PLDES550</u>	1/2 Unit
<u>1PLDES300</u>	1 Unit

1500 Series Metal-Out Static Shielding Bags

- Low exterior static surface resistance
- Low charge retention
- Exterior surface resistance: 1 x 104 to < 1 x 106 ohms
- Thickness: 0.0030" (0.08 mm)
- Puncture resistance: 10 lbs

Item	Size	178 mm x
<u>15071</u>	330 mm	178
<u>3</u>	mm x	508 mm
<u>15072</u>		
<u>0</u>		



Dri-Shield® 3000 Series Moisture Barrier Bags

- Thick, durable bag
- Nylon reinforcement layer
- Exterior surface resistance: 1 x 104 to < 1 x 1011 ohms
- Thickness: 0.006" (0.15mm)
- Puncture resistance: 16 lbs
- MVTR: ≤0.0003 (gms / 100 in2 / 24 hrs, 100°F)

Item	Size	255 mm x
<u>D3010</u>	305 mm	405
<u>12</u>	mm x	455 mm
<u>D3016</u>		
<u>18</u>		



Humidity Indicator Cards

- NewCobalt-freeHumidityIndicatorCards
- Measures the level of relative humidity that the contents of the packaging have been exposed to
- SCS Humidity Indicator Cards (HIC) are printed with moisture sensitive spots which change colour from brown to yellow when exposed to a relative humidity level



Item	Description
<u>51060HIC125-CB-Spot</u>	5-10-60%
<u>6HIC200-CF</u>	6-Spot





Wescorp Antistatic Cellulose Tape



- Ideal in packaging for container sealing, static shielding bag closure, and holding DIP tubes
- Prevents damage to sensitive electronic components in manufacturing
- Ideal for sealing ESD bags and other ESD packaging/containers
- Lead-free RoHS compliant

Item	Size (W x L)
24227	24 mm x 65.8 m, 76.2 mm Core
2	18 mm x 65.8 m, 76.2 mm Core
24227	48 mm x 65.8 m, 76.2 mm Core
1	
24227	

PROTEKTIVE PAK Corrugated Circuit Board Shippers

- Economical, efficient method of storing static sensitive electronic devices
- Constructed from a unique buried conductive layer of impregnated corrugated fiberboard with a static dissipative surface
- Convuluted static dissipative < 1 x 1011 ohms polyurethane pink foam laminated to the top and fitted in bottom



Item	Size
3705	229 mm x 191 mm x 64 mm 267 mm
7	x 216 mm x 64 mm
3706	318 mm x 267 mm x
1	64 mm 394 mm x 318
3706	mm x 64 mm
5	
3707	
1	

To see the full range of Corrugated Circuit Board Shippers visit DescoEurope.com

Dissipative Ring Binders

- Antistatic blue PVC covering
- A4 portrait format

Item	Ring	Ring	Spine
23870		25	40
1	Two	mm	25 mm 40
23870	Four	mm	50 mm 70
6	Four	mm	mm



Dissipative Document Wallet

- Designed for use within ESD Protected Areas in accordance with IEC 61340-5-1
- Inherently static dissipative - Charges removed to ground when placed on a grounded working surface or handled by a grounded operator



Waste Bins and Liners

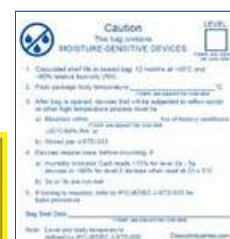
- Conductive waste bins are useful in large ESD Protected Areas where waste accumulates and cannot be conveniently removed except in bulk
- Bin liners are made of antistatic polyethylene
- Marked with ESD protective symbol



Item	Description	Conductive Waste Bin,
23921	25 cm x 25 cm x 40 cm	Conductive
0	Waste Bin, 40 cm x 40 cm x 78 cm	
23920	Blue Bin Liner, 30 l	Blue Bin Liner, 50 l
5	Blue Bin Liner, 110 l	
23923		
0		

ESD Labels

- Clear, visible markings
- Strong adhesive



Item	Description	Size
06722	Attention, RS-471	50 mm x 50 mm 25
242180	Protection Label	mm x 25 mm
06736	Moisture Barrier Bag, IPC/ JEDEC J-STD-020	82 mm x 95

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MENDA Nylon Probe Tools

- Can be used in ESD protected areas
- Nylon finish will not mar delicate surfaces
- Temperature resistant



Item	Description	Size
3562	Spudger Probe	140
1	Point Blade Probe	mm
3562	Fork-Blade Probe	150

MENDA Stainless Steel Probe Tools

- ESD Protective: Any charge can be grounded when placed on ESD protected work surface
- Ergonomic hex handle for better grip
- Non-magnetic, conductive, 300 series stainless steel



Item	Description	Size
3561	Angle Probe	140
7	4-Piece Probe Kit and Pouch	mm
3563		140
0		mm

MENDA Brushes

- Allows thorough cleaning of ESD sensitive assemblies without the danger of high charges generated by conventional brushes
- Hot stamped ESD protective symbol



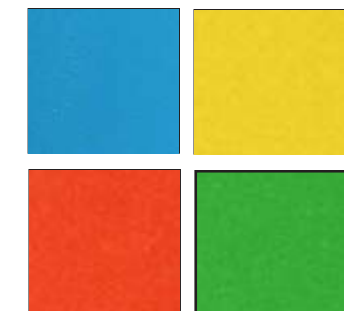
Item	Description	Size
23811	Conductive Flat Nylon Brush	12 mm x 22
0	Conductive Block Nylon Brush	mm x 75 mm
23814	Flat Conductive Brush	12.7 mm 25.4
5	Flat Dissipative Brush	mm
35694		

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MENDA durAstatic® Dissipative ESD Protective Bottles

- Designed to protect your valuable static sensitive printed circuitry
- No migratory additives - reduces the chance for contamination from the bottle
- Embossed with ESD Protective Symbol
- Available in 4 colors



Custom printing available on ALL bottles

Item	Size	Colour	Pump
3528	180	Blue	One-Touch
3	ml	Yellow	Touch
3527	180	Orange	One-Touch
6	ml	Green	Touch
3527	180		One-Touch
0	ml		Touch
1	ml		One-Touch

MENDA Natural HDPE Bottles

- High Density Polyethylene
- Square shape provides stability and saves storage space
- Available with no-spill locking pump
- Easy to fill wide opening
- Not ESD safe



Item	Size	Color	Pump
3570	120 ml		Take-Along
2	180 ml	Natur	Take-Along
3570	al		
3		Natur	

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MENDA durAstatic® Wash Bottles

- Used to hold water for wetting sponges at soldering stations, to hold cleaning agents or similar liquids
- Long lasting dissipative properties embedded into the bottle
- Embossed with ESD Protective symbol
- Available in 240 and 480 ml bottles



Item	Description
35790	Yellow Wash Bottle, 240 ml
35791	Yellow Wash Bottle, DI WATER, 240 ml
35792	Yellow Wash Bottle, ISOPROPANOL, 240 ml
35793	Yellow Wash Bottle, 480 ml
35794	Yellow Wash Bottle, DI WATER, 480 ml
35795	Yellow Wash Bottle, ISOPROPANOL, 480 ml

MENDA durAstatic® Trigger Spray Bottles

- Provides controlled delivery of solvents, cleaners, and water at the ESD workstation
- Long lasting dissipative properties with insulative spray head
- Embossed with ESD Protective Symbol
- Available in 240 and 480 ml bottles



Item	Description	Trigger	Colour
3579	Spray Bottle, 240 ml		Yellow
6	Trigger Spray Bottle,		Blue
3579	240 ml Trigger Spray		Yellow
7	Bottle, 480 ml Trigger		Blue
3579	Spray Bottle, 480 ml		

EasyBraid Lead Free Desoldering Braid

- Desoldering braid formulated with a flux designed for higher activation temperatures
- To be used in conjunction with processes using RMA type no-clean fluxes
- Available on static dissipative bobbins in compliance with ESD Association Standards



Item	Description
A-10AS	Lead Free, 0.635 mm x 3 m, Antistatic, 25/Pk
LF-B-	Lead Free, 1.27 mm x 3 m, Antistatic, 25/Pk
10AS	Lead Free, 1.9 mm x 3 m, Antistatic, 25/Pk
LF-C-	Lead Free, 1.9 mm x 1.5 m, Antistatic, 25/Pk
10AS	Lead Free, 3.2 mm x 1.5 m, Antistatic, 25/Pk
LF-C-	

EasyBraid One-Step No Clean Desoldering Braid

- Flux residue on board does not need to be cleaned
- To be used in conjunction with processes using RMA type no-clean fluxes
- Available on static dissipative bobbins in compliance with ESD Association Standards



Item	Description
OS-A-	One-Step, 0.635 mm x 1.5 m, Antistatic, 25/Pk
5AS	One-Step, 1.27 mm x 1.5 m, Antistatic, 25/Pk
OS-B-	One-Step, 1.9 mm x 1.5 m, Antistatic, 25/Pk
5AS	One-Step, 2.54 mm x 1.5 m, Antistatic, 25/Pk
OS-C-	One-Step, 3.2 mm x 1.5 m, Antistatic, 25/Pk

5AS
OS-D-
5AS
OS-E-
5AS

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on our web site:
DescoIndustries.com/Factories



TRONEX Precision Tools

Tronex offers a wide variety of unique cutters and pliers used in a broad array of industries including electronics assembly and medical devices manufacturing.

Benefits of using Tronex Cutters and Pliers:

- Grips are ESD Safe, lead-free, and do not create foreign object debris (FOD)
- Feature a unique bearing ring lap joint for smooth function
- Are machined, hand finished and tested at our California USA facility



Precision Pliers



Precision Cutters

TRONEX Oval Head Cutters

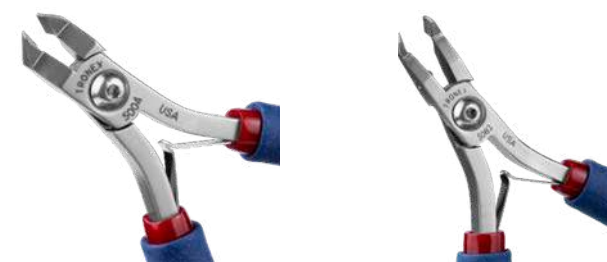
- Excellent general purpose cutters, most cutting needs can be met with an Oval or Taper head cutter
- With additional material in the head, oval head cutters are strong and durable, they are best able to handle the repeated shock of the cutting load
- Best choice for use where restricted access is not an issue
- Wide variety of oval head sizes and features
- Long, ergonomic handle options available



Item	Description
511	Medium, Semi-Flush, Oval Cutter
1	Large, Semi-Flush, Oval Cutter
551	Large, Flush, Oval Cutter

TRONEX Angulated Cutters

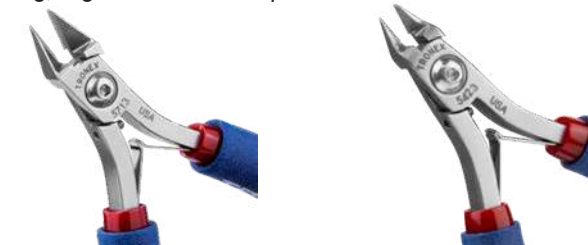
- Used when access is limited and a greater angle is preferred
- Available in 50° and 70° angles with different cutting edge sizes to meet a wide variety of needs



Item	Description
5004	50°, Flush, Taper Cutter
5082	50°, Flush, Small Oval Cutter

TRONEX Taper Head Cutters

- Excellent general purpose cutters, most cutting needs can be met with an Oval or Taper head cutter
- Taper head cutters are better when special access is needed
- Pointed head allows for increased cutting access yet has sufficient strength to avoid tip breakage when used within its capacity
- Variety of taper head sizes and features
- Long, ergonomic handle options available



Item	Description
5212	Medium, Flush, Taper Cutter
5223	Medium, Razor Flush®, Relief, Taper Cutter
5423	Minature, Razor Flush®, Relief, Taper Cutter
5713	Large, Razor Flush®, Taper Cutter

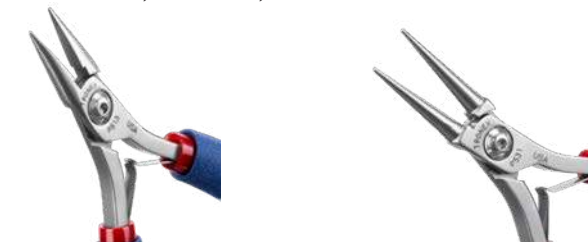
TRONEX Tip Cutters

- Long, narrow jaws that have small, exceptionally sharp edges for cutting at the very tip
- The Sub-Miniature Tip Cutter 5071 has been designed to be extremely durable for use in harsh workshop environments, constructed from high quality carbon steel



TRONEX Precision Pliers

- Most offer a choice of standard handle length or long, ergonomic handle length
- Polished, hand-crafted finish; entirely free of burrs
- Special design elements such as slightly rounded inner jaw edges and induction hardened tips
- Multiple styles available including Chain Nose, Round Nose, Needle Nose, Flat Nose, and Bent Nose



Item	Description
P513	Chain Nose, Short, Smooth Jaw, Pliers
P521	Needle Nose, Long, Smooth Jaw, Pliers
P531	Round Nose, Long Jaw, Pliers
P541	Flat Nose, Long, Smooth Step Jaw, Pliers

To see the full range of Tronex precision hand tools visit:
DescoEurope.com

See our products being
Made in the
United Kingdom
on our web site:
DescoIndustries.com/Factories





EMIT SmartLog Pro® SE

- Electronic data acquisition of personnel grounding tests
- Operator identification via proximity card, barcode or keypad
- Ensures accuracy and ease of test data collection
- Access control to the EPA can be further enforced via built-in relay terminal
- Email and live reporting capability



Item	Description
<u>5017</u>	SmartLog Pro® SE
<u>0</u>	SmartLog Pro® Manager Web App
<u>5017</u>	
<u>2</u>	

See our Contactless Test Switch for the SmartLog Pro® and Combo Tester X3
DescoEurope.com

Combo Tester

- Tests operator's path-to-ground
- Use the rocker switch to select a wrist strap or footwear test
- Powered either by mains adapter or 9V battery



Item	Description
<u>9903</u>	Combo Tester
<u>7</u>	Combo Tester with Stand and Foot Plate
<u>9903</u>	
<u>8</u>	

Combo Tester X3

- Simultaneously tests the wrist strap and both ESD footwear within 2 seconds
- Solid-state test switch with no moving parts
- Includes relay terminal for activating electronic locks, lights and buzzers
- Supervisor selectable test limits



Item	Description
<u>1927</u>	Combo Tester X3
<u>0</u>	Combo Tester X3 With Stand
<u>1927</u>	Combo Tester X3 with 10 mm Adapter
<u>1</u>	Combo Tester X3 With 10 mm Adapter and Stand
<u>1928</u>	

Single Wire Monitors

- Continuously monitors operator and work surface path-to-ground
- Uses Wave Distortion technology to minimise operator voltage
- Park snap feature



Item	Description
<u>19243</u>	Mini Continuous Monitor with Universal Power Adapter
<u>19652</u>	Multi-Mount Monitor with Universal Power Adapter
<u>99093</u>	Dual-Operator Continuous Monitor, 4 mm
<u>99095</u>	Dual-Operator Continuous Monitor, 10 mm

SCS 724 Workstation Monitor

- Continuously monitors 2 operator dual-wire wrist straps, and 1 worksurface mat
- Visible and audible alarms indicate improper grounding of the operator and worksurface
- Adjustable Operator Test Voltage and Upper Limit

Item	Description
<u>724MO</u>	724 Workstation Monitor, no Power Adapter



SCS 724 Plus Workstation Monitor

- Continuously monitors the path-to-ground integrity of 2 operators and 1 conductive or dissipative worksurface
- Digital Signal Processing Technology provides stable continuous monitoring (versus pulsed intermittent) of the wrist strap's path-to-ground and the presence of its 1 megohm safety resistor
- 0.40 Volt Operator Test Voltage - reduces the risk of electrical overstress (EOS) for the handling of sensitive components
- Operator Body Voltage Detection - alarms if the operator generates or comes in contact with voltage that would be dangerous to an ESD susceptible item



Item	Description
<u>770724</u>	724 Plus Workstation Monitor

EMIT Benchtop Zero Volt Ioniser

- Fast decay times (<2 seconds at 30 cm)
- ±3 volt offset voltage balance
- Steady-state DC ionisation

Item	Description
<u>50670</u>	Benchtop Ioniser, 220VAC



EMIT Mini Zero Volt Ioniser 2

- Fast decay times (<3 seconds at 30 cm)
- ±5 volt offset voltage balance
- Steady-state DC ionisation
- Compact size (134 mm high x 89 mm wide x 43 mm deep with stand)

Item	Description
<u>50642</u>	Mini Zero Volt Ioniser 2



SCS Iron Man® Plus Workstation Monitor

- Continuously monitors the path-to-ground integrity of an operator and ESD working surface
- A larms if overvoltage (±5V or less) from a tool such as a soldering iron or electric screwdriver is applied to a circuit board under assembly, protecting against electrical overstress
- Uses minimal workspace and includes mounting tabs for installation underneath table tops



Item	Description
<u>CTC331-WW</u>	Iron Man® Plus Workstation Monitor

EMIT Overhead Zero Volt Ioniser

- Fast decay times (<4 seconds at 46 cm)
- ±3 volt offset voltage balance
- Steady-state DC ionisation



Item	Description	Overhead
<u>5067</u>	Ioniser, 2-Fan, 220VAC	
<u>1</u>	Overhead Ioniser, 3-Fan, 220VAC	
<u>5067</u>		

EMIT Chargebuster Overhead Ioniser With Lights

- Fast decay times (<4 seconds at 46 cm)
- ±10 volt offset voltage balance
- Steady-state DC ionisation
- 700 lumen LED panel lights (cool white)



Item	Description	Overhead	Ioniser with
<u>5060</u>	Lights, 2-Fan, 220VAC		Overhead
<u>2</u>	Ioniser with Lights, 3-Fan, 220VAC		
<u>5060</u>			





Digital Surface Resistance Meter Kit

- Measures resistance point-to-point (Rp-p) or surface-to-ground (Rg) of working surfaces, flooring systems, garments, packaging, and other materials in accordance with IEC 61340-5-1 Electrostatics and its test method IEC 61340-2-3
- Large OLED display shows resistance reading, temperature, relative humidity, and test voltage
- Internal memory storing up to 100 measurements
- Automatic test voltages (10V and 100V $\pm 5\%$)
- Quick check button bypasses the 15 second electrification period to allow quick spot checks



Item	Description
19290	Digital Surface Resistance Meter Kit
19295	Handheld Electrode
22200	Concentric Ring Probe
2	Two Point Resistance Probe
49297	

Digital Static Field Meter and Ionisation Test Kit

- Portable electrostatic meter for testing of static fields
- Problem solving tool that may be used to identify items that can be charged
- Ionisation Test Kit for quick test of offset voltage and decay times of air ionisers



Item	Description
1949	Digital Static Field Meter
2	Ionisation Test Kit
1949	
3	

Analogue Surface Resistance Meter Kit

- Automatic test voltage selection per Compliance Verification ESD TR53
- Measures resistance range greater than 1.0×10^3 ohms to less than 1.0×10^{12} ($\pm 10\%$ accuracy)
- LED illuminates when battery power is low



Item	Description
222635	Analogue Surface Resistance Meter Kit

SCS EM Eye - ESD Event Meter

- Detects, counts and measures ESD events that can damage ESD items and cause tool lock-ups, erratic behaviour and parametric errors
- Calculates event magnitude for Charged Device Model (CDM), Human Body Model (HBM) and Machine Model (MM)
- Records all measurements to a microSD card for PC download
- Touchscreen display provides intuitive user interface
- Rechargeable lithium ion battery



Item	Description
CTM048-21	EM Eye - ESD Event Meter

SCS Ground Pro Meter

- Verifies critical grounding parameters of a facility
- Measures AC voltage, DC voltage, EMI voltage and AC impedance
- Provides accurate measurements of ground impedance on a working tool
- Meets ANSI/ESD S20.20 requirements for AC impedance
- Identifies potential EOS generators
- Measures maximum millivolt requirement of IPC-A-610



Item	Description
CTM051	Ground Pro Meter

Body Voltage Meter

- Measures voltage (Human Body Voltage - HBV) on a person in combination with ESD footwear and flooring materials (both pre and post installation) according to IEC 61340-4-5 and ANSI/ESD STM97.2
- Nominal and graphed measurements - records graphs up to 2.5 minutes in total duration
- Displays the peak or live static voltage measured on the operator's body
- Downloads recorded tests onto a PC; compatible with Windows XP/7/8/10
- Made in Italy



Item	Description
19431	Body Voltage Meter

ESD Survey Kit

- Used to measure, verify and qualify products for use in the ESD Protected Area in accordance with IEC 61340-5-1 test procedures including IEC 61340-2-3, IEC 61340-4-1, ANSI/ESD STM2.1, and ANSI/ESD STM3.1
- ESD Survey Kit includes:
 - Digital Surface Resistance Meter Kit (19290)
 - Handheld Electrode (19295)
 - AC Outlet Analyser & Wrist Strap Tester (224713 or 224714)
 - Low Resistance Tester (222645)
 - Ionisation Test Kit (19493)
 - Adjustable Metal Wrist Strap (229625)
 - Heel Grounder (248555)
 - Training Paddle Set
 - Pelican 1510 Case



Item	Description
22268	ESD Survey Kit, UK
8	ESD Survey Kit, Europe
22268	

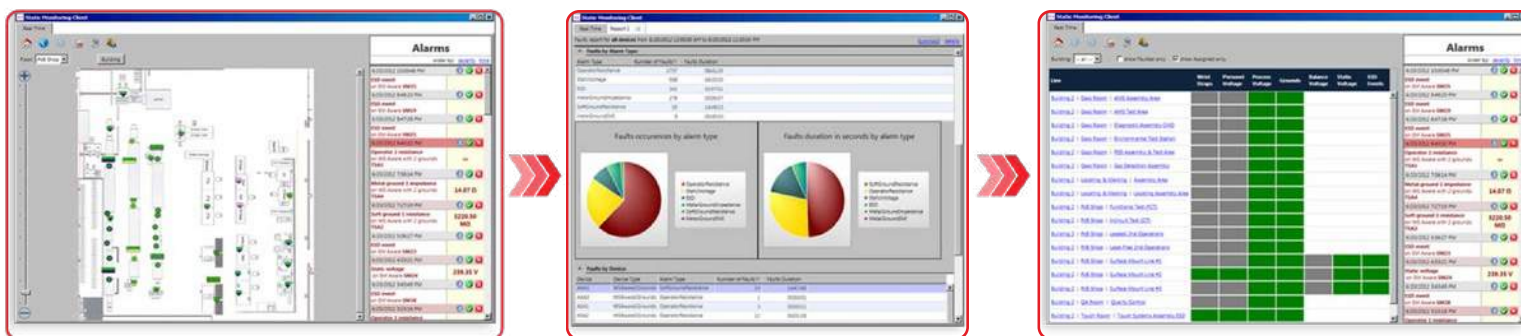
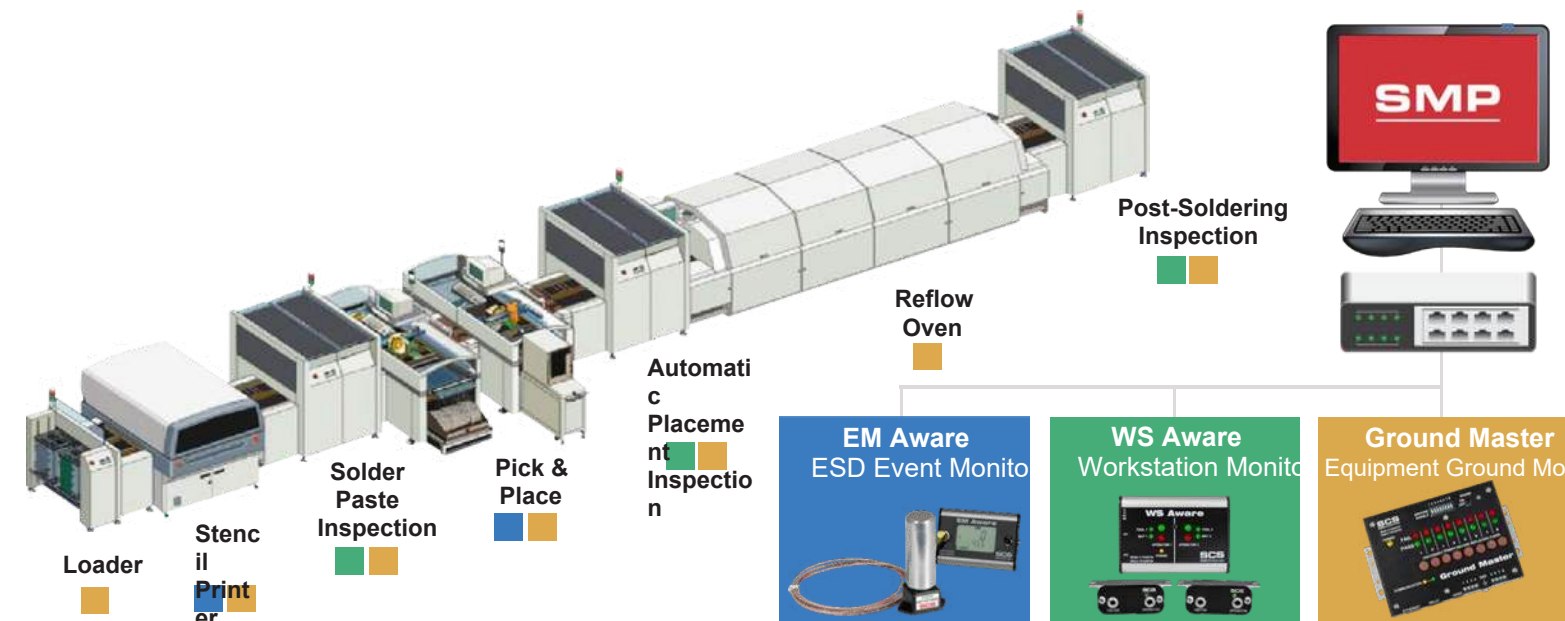
SCS ESD Pro - ESD Event Indicator

- Detects and counts ESD events for control programme troubleshooting and improvement
- Shows the relative strength of the ESD event
- Displays the number of ESD events that occurred at or above the alarm threshold
- Filters and rejects EMI signals that are not caused by Charged Device Model discharges



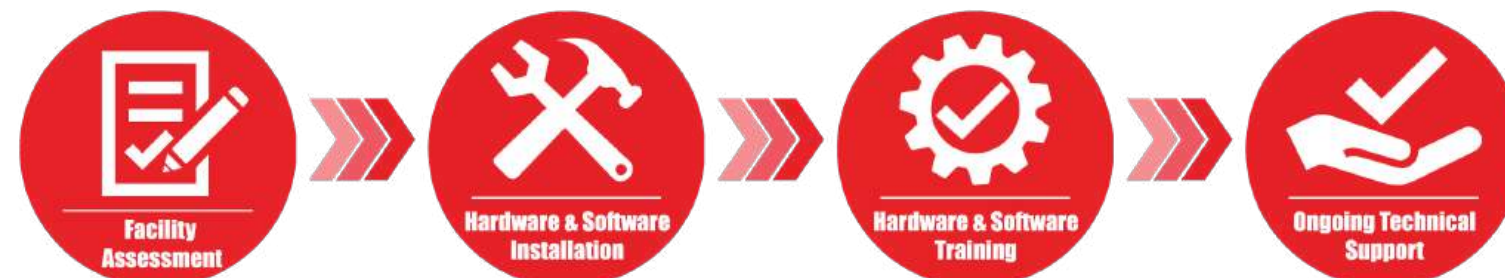
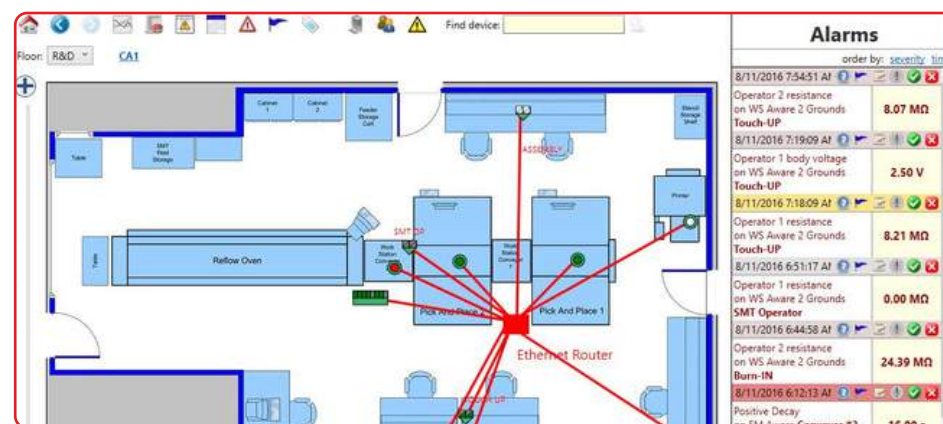
Item	Description
CTM082	ESD Pro - ESD Event Indicator





MANAGE YOUR ESD PROCESS FROM... ANYWHERE!

SCS Static Management Program (SMP) continuously monitors your ESD process control system throughout all stages of manufacturing. SMP captures data from SCS workstation, equipment and ESD event continuous monitors and provides a real-time picture of critical manufacturing processes. All activity is stored into a database for on-going quality control purposes. SMP allows you to pinpoint areas of concern and prevent ESD events. Quantifiable data allows you to see trends, become more proactive and prove the efficiency of your ESD process control system. SCS supports manufacturers in their efforts to make more dependable products, improve yields, increase automation and provide a measurable return on investment.



SCS WS Aware Monitor

- Continuously monitors the path-to-ground integrity of two operators, two conductive or dissipative working surfaces, and two metal tools
- Applies an ultra-low test voltage to the operator (0.05 V) for the handling of sensitive components
- Alarms if the operator generates or comes in contact with voltage that would be dangerous to an ESD susceptible item
- Remote terminals with Big Brother Sensor detect the presence of an operator and alarms if a wrist strap is not connected to prevent ungrounded handling of ESD susceptible items



Item	Description
77006	WS Aware Monitor, with Standard Remotes
77007	WS Aware Monitor, with Big Brother Remotes
77006	

SCS Ground Master Monitor

- Continuously monitors path-ground impedance of eight metal tools
- Alarms if the grounded metal tools have high-frequency noise that could cause electrical overstress (EOS) damage
- Optical relay pairs with lights and buzzers for increased performance visibility



Item	Description
770079	Ground Master Monitor

SCS EM Aware Monitor

- Detects and measures ESD events, static voltage field and ionisation performance
- Verifies the offset voltage balance of critical environment ionisers with a ± 5 V specification
- Identifies problematic environments and qualifies tools for handling ESD-sensitive devices
- Optical relay terminal pairs with lights and buzzers for increased performance visibility



Item	Description
770066	EM Aware Monitor

Get started with SCS Diagnostic Kits

The SCS Diagnostic Kits are fully equipped with the hardware and software that allows you to detect ESD events and their magnitude. The portable kits provide real-time data which will validate your ESD process one area at a time.

SMP Diagnostic Kit ESD Event Diagnostic Kit



Contains:	Contains:
1 x SMP Software License	1 x SMP Software License
1 x Ground Master Monitor	4 x EM Aware Monitors
1 x WS Aware Monitor	1 x 5-Port Ethernet Switch
3 x EM Aware Monitors	5 x CAT5E Cables
1 x 8-Port Ethernet Switch	
6 x CAT5E Cables	

Item	Description
77005	SMP Diagnostic Kit
0	ESD Event Diagnostic Kit
77005	





ESD SURVEY

OTHER COMPANIES CHARGE WE DON'T

An ESD survey is a great way to have an extra set of eyes look at your ESD control plan. Using IEC 61340-5-1 and its User Guide CLC/TR 61340-5-2, a Desco Europe representative will take measurements and make observations of your ESD control plan.

- ✓ **Free of charge**
- ✓ **Instant feedback on your ESD Control Programme**
- ✓ **Reduce costs**
- ✓ **No strings attached**
- ✓ **Written follow-up report for your records**
- ✓ **Increase ESD awareness**

Every company handling ESD sensitive devices can benefit from an ESD survey as it provides answers to the following essential questions:

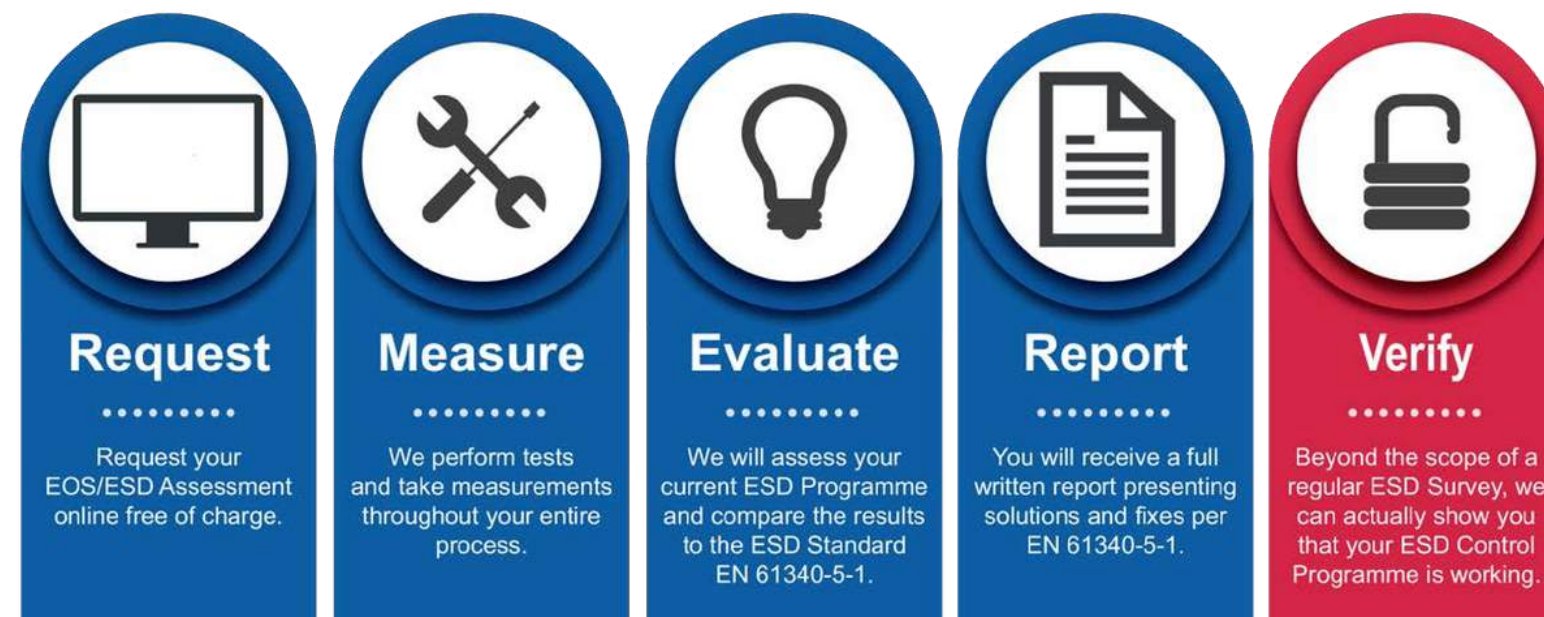
- 01 >> **Is your ESD control programme in compliance?**
- 02 >> **Is it costing your company too much money and/or future business?**
- 03 >> **Is it compliant to your customer(s) standards?**
- 04 >> **Is it compliant to industry accepted standards?**
- 05 >> **Is there a simpler ESD control solution for your company?**

BEYOND A TRADITIONAL ESD SURVEY

EOS/ESD ASSESSMENT

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EOS/ESD Assessments help identify if electrical overstress (EOS) or ESD events are occurring in your Electronics Handling and Assembly operations.



Tests & Measurements are performed throughout entire process:

- Receiving
- Tool crib
- Automated Insertion
- Manual Insertion
- Final assembly, testing, QC and packaging



Our Assessment measures:

- ESDEvents
- Counts events
- Shows magnitude of events
- EMI Voltage, cause of Electrical Overstress (EOS)
- Ground Integrity
- And more...



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