



 **TRANSFORMING TECHNOLOGIES**
OUTSTANDING ALTERNATIVES IN STATIC CONTROL

STATIC CONTROL CATALOG

About Transforming Technologies

Transforming Technologies provides comprehensive knowledge of electrostatic issues, effective solution-oriented products and outstanding, friendly service. Since 1998, Transforming Technologies has provided critical solutions to the numerous manufacturing problems associated with static electricity. We provide a wide range of unique and outstanding products to detect, protect, eliminate and monitor electrostatic charges. Our products are key tools used by industries to assure an effective static control program.

Terms and Conditions:
Terms: Net 30 days are extended to customers with approved credit.
Payment: Transforming Technologies accepts Check, ACH or Wire Transfer, VISA, MasterCard and American Express.
Taxes: Applicable sales tax will be added to all orders. Customers who are exempt from sales tax will need to provide documentation.
Warranties: Transforming Technologies expressly warrants that for a period of one (1) year from the date of purchase, products will be free of defects in material (parts) and workmanship (labor). Within the warranty period, a unit will be tested, repaired or replaced at Transforming Technologies option, without charge. Call our Customer Service Department for a Return Material Authorization (RMA) and proper shipping instructions and address. Any unit under warranty can be shipped collect to the Transforming Technologies factory. Warranty replacements will take approximately two weeks. If your unit is out of warranty, call our Customer Service Department at 419-841-9552 for a Return Material Authorization (RMA) and proper shipping instructions and address. Transforming Technologies will quote repair charges necessary to bring your ESD unit up to factory standards.
Limit of Liability: In no event will Transforming Technologies, its representatives or resellers be responsible or liable for any injury, loss or damage, direct or consequential, arising out of the use of or the inability to use the product. Before using, potential users shall determine the suitability of the product for their intended use, and users assume all risk and liability.
F.O.B. Point: Unless embodied in a written agreement signed by authorized officers of Transforming Technologies the F.O.B. point for all products purchased from Transforming Technologies will be the F.O.B. factory. Stock orders received by 2:30 pm EST will be shipped the same day if possible.
Out of Warranty Repair: Field repair or unauthorized tampering of Transforming Technologies products is not recommended and will nullify any and all warranties. All Transforming Technologies items to be repaired must be returned to the factory. Transforming Technologies will quote repair cost upon receipt and inspection of product. Repaired product will include a 60 day warranty. A Return Merchandise Authorization number (RMA#) must be obtained from Transforming Technologies for out of warranty repairs. The RMA number must appear on the outside of returned cartons, and Transforming Technologies has the right to refuse all return shipments which do not bear the RMA number or which are shipped freight collect. Customer is responsible for all freight and transportation charges.



Standards

All of Transforming technologies products are compliant to ANSI/ESD S20.20 per the requirements of the static control governing body the ESD Association (www.esda.org).



Leadership

Transforming Technologies upper level management will establish unity of purpose and direction and create a condition in which people are engaged in achieving the organizations quality objectives.

Brand Representation



Associations



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Process

Transforming technologies has made a commitment to track, review and audit the planning, implementation, completion and results of improvement projects.



Customer Focus

The focus of customer relationship management is to increase customer value, satisfaction and loyalty. The quality management system will ensure all employees understand the customers' current and future needs. Transforming Technologies will strive to plan, design, develop, produce and deliver support goods and services to meet industry standards as well as customer needs and expectations.

Table of Contents

Personnel Grounding

Wrist Strap Sets	4
Coil Cords	7
Heel Grounders	8
Sole Grounders	8

Apparel

5049 Series Heavy Weight Jackets	11
8812 Series Light Weight Jackets	12
9010 Series Medium Weight Jackets	13
High Temp Gloves	15
Inspection Gloves	15
Cut Resistant Gloves	16

Ionization

Ion Bars	18
BFN Overhead	19
BFN Benchtop Blower	20
BFN Ionizing Gun	20
PTEC Overhead	21
PTEC Benchtop Blower	21
PTEC Ionizing Gun	22
PTEC Ionizing Air Nozzle	23

Matting

Table Mats	26
Field Service Kit	27
Vinyl	28
Floor Mats	29
Floor Tiles	31
Ground Cords	32
Ground Hardware	32

Test and Measurement

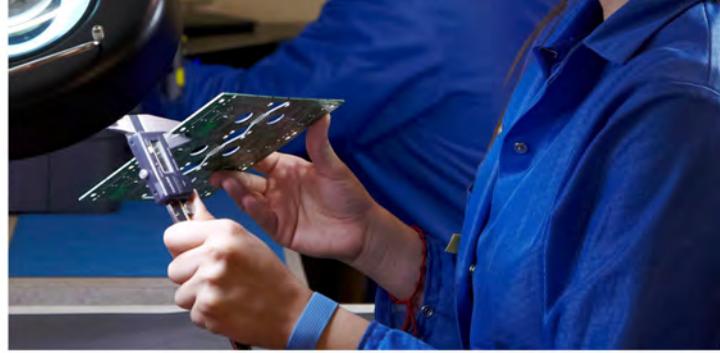
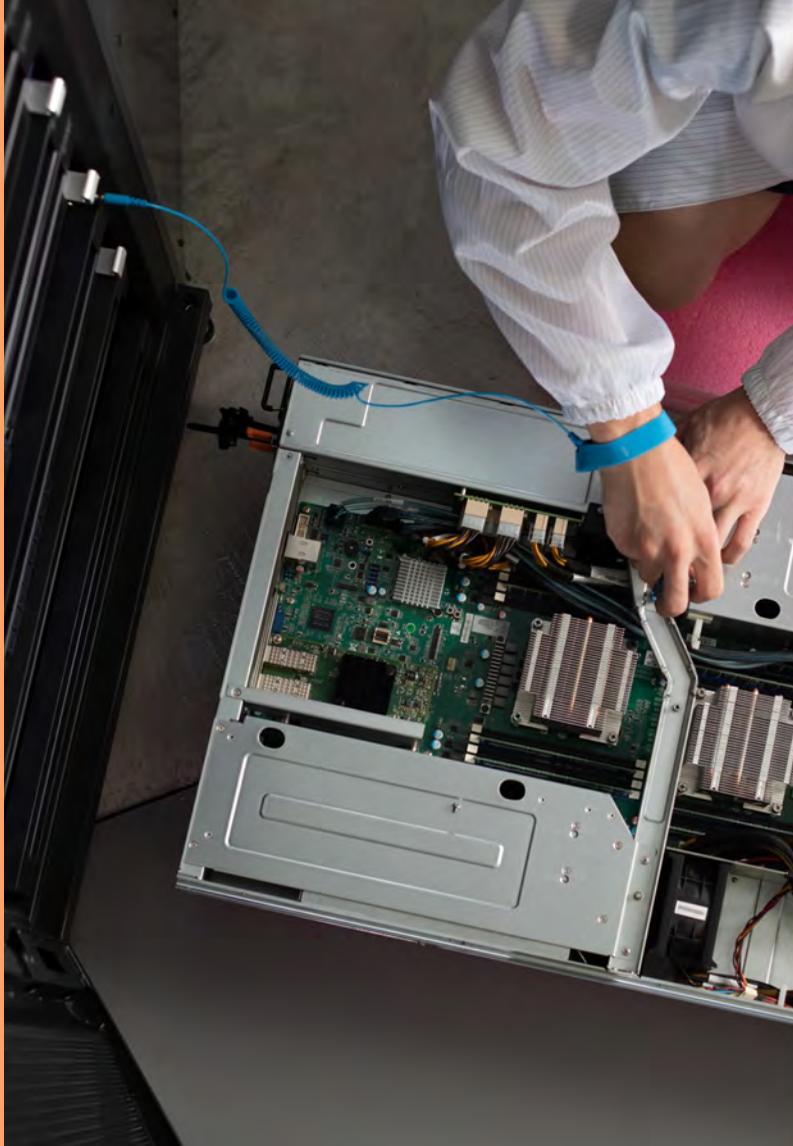
Continuous Monitors	34
Charged Plate Monitor	36
Static Field Meters	36
Surface Resistance Meters	37
Walking Test Kit	39
Audit Kit	40
Accessories	40
Combination Testers	41
PGT130DT Tester	42
PGT120 Tester	43

Cleanroom

Wipers	48
Miscellaneous	49
ESD Cleanroom Frocks	50
ESD Shoe Covers	50
TX4000 ESD Cleanroom Garment System	51

ESD Accessories

Trash Cans	55
Office Accessories	55
Labels	56
Tape	56
Brushes	57
Storage Boxes	57
Workstation Covers	57



PERSONNEL GROUNDING

- *Wrist Strap Sets*
- *Coil Cords*
- *Heel Grounders*
- *Sole Grounders*

The most fundamental of aspects of an ESD control program is the grounding of people in the ESD Protected Area (EPA). Transforming Technologies provides a variety of options for grounding of personnel, whether it be with a wrist strap or foot grounder (in combination with ESD flooring) to avoid Human Body Model (HBM) discharges.

SINGLE WIRE WRIST STRAPS

WB1600 Series

Single Wire Wrist Strap sets are a versatile and effective method of grounding personnel that allows the skin to breathe. The band uses hypoallergenic silver-plated nylon thread for conductivity paired with 6' or 12' coil cords. The band is standard with a 4mm snap, but 7mm and 10mm are available.



Part Numbers	Snap Size	Cord Length	Color
WB1637	4mm	6'	Blue
WB1643	4mm	12'	Blue
WB1738	7mm	6'	Blue
WB1744	7mm	12'	Blue
WB1839	10mm	6'	Blue
WB1845	10mm	12'	Blue
WB2637	4mm	6'	Maroon
WB2643	4mm	12'	Maroon
WB0016	4mm	Band Only	Blue
WB0017	7mm	Band Only	Blue
WB0018	10mm	Band Only	Blue
WB0026	4mm	Band Only	Maroon

Specifications:

- Hypoallergenic Fabric Band
- Resistor: 1 Meg
- Three Snap Sizes Available
- Available in Maroon in a 4mm Snap



Two Colors and Three Snap Sizes Available!

WB4000 Series



- Hypoallergenic Fabric Band
- Resistor: 1 Meg
- Machined 4mm post
- Color: Blue Strap, Black Cord
- Premium Coil Cord

WB6000 Series



- Adjustable Metal Band
- Resistor: 1 Meg
- Premium Coil Cord
- Cleanroom Compatible Stainless Steel Construction

WB8000 Series



- Hypoallergenic Fabric Band
- Resistor: 1 Meg
- Hinged Clasp Secures Excess Fabric Band
- Color: Blue Strap, Black Cord
- Premium Coil Cord

Part Numbers	Series	Snap Size	Cord Length	Color
WB4016	WB4000	4mm	Band Only	Blue
WB4037	WB4000	4mm	6'	Blue
WB4043	WB4000	4mm	12'	Blue
WB6014	WB6000	4mm	Band Only	Black
WB6037	WB6000	4mm	6'	Black
WB6043	WB6000	4mm	12'	Black
WB8016	WB8000	4mm	Band Only	Blue
WB8037	WB8000	4mm	6'	Blue
WB8043	WB8000	4mm	12'	Blue

DUAL WIRE WRIST STRAPS

WB2500 Series



The adjustable WB2500 series features two 4mm snaps and 180 degree conductive paths around the wrist, providing maximum skin contact. The double snap coil cords provide two conductive paths to ground. Used with dual wire constant monitors.

- Polyester with Silver-Plated Nylon Fabric Band
- Color: Maroon
- Two 4mm Snaps
- Dual Wire Coil Cord: 6' or 12'
- Compatible with Most Dual Wire Constant Monitors

WB7000 Series



The one-size-fits-all WB7000 Dual Conductor Fabric Wrist Bands feature a silver plated, monofilament, continuous thread woven together with elastic nylon for full conductivity and comfort. Used with dual wire constant monitors.

- Comfortable Elastic Band
- Color: Blue Band, Gray Cord
- Two Conductive Paths
- Compatible with Most Dual Wire Constant Monitors

WB5000 Series



Dual Wire Wrist Straps provide redundancy; even if one dual wire wrist strap conductor is severed, the operator has reliable path-to-ground with other wire. The expandable metal band features a single mono jack fastener capable of reading both sides of the wrist strap. Used with dual wire constant monitors.

- Expandable Speidel Metal Band: Small, Medium, Large
- Color: Black Band, Gray Cord
- Two Conductive Paths
- Compatible with Most Dual Wire Constant Monitors
- Right Angle Coil Cords Available

Compatible with our Resistance Ranger Dual Wire Monitors!



Part Numbers	Series	Snap Size	Cord Length	Color
WB0025	WB2500	4mm	Band Only	Maroon
WB2580	WB2500	4mm	6'	Maroon
WB2585	WB2500	4mm	12'	Maroon
WB0050*	WB5000	3.4mm Phono Plug	Band Only	Black
WB5050*	WB5000	3.4mm Phono Plug	5'	Black
WB5100*	WB5000	3.4mm Phono Plug	10'	Black
WB5200*	WB5000	3.4mm Phono Plug	20'	Black
WB5050R*	WB5000	3.4mm Phono Plug	5'	Black
WB5100R*	WB5000	3.4mm Phono Plug	10'	Black
WB5200R*	WB5000	3.4mm Phono Plug	20'	Black
WB0070	WB7000	3.4mm Phono Plug	Band Only	Blue
WB7050	WB7000	3.4mm Phono Plug	5'	Blue
WB7100	WB7000	3.4mm Phono Plug	10'	Blue
WB7200	WB7000	3.4mm Phono Plug	20'	Blue
WB7050R	WB7000	3.4mm Phono Plug	5'	Blue
WB7100R	WB7000	3.4mm Phono Plug	10'	Blue
WB7200R	WB7000	3.4mm Phono Plug	20'	Blue

*Available in small, medium or large

WB3000 Series



The WB3000 series wristbands are a premium one-size-fits-all wrist strap set with a magnetic connection between the wrist band and coil cord. The wrist band is adjustable and comes with an 8' or 12' coil cord. The snaps are specially designed magnets which creates a superior electrical connection between the wrist band and coil cord. The magnetic snap eliminates the intermittent failures and wear and tear of traditional snap and spring connections.

The WB3000 series are recommended for use with the Resistance Ranger Constant Monitors and are compatible with most manufacturer's constant monitors.

Part Number	Snap Size	Cord Length
WB3008	Magnetic	8'
WB3012	Magnetic	12'

Disposable Wrist Bands



Designed for inclusion with ESD sensitive devices such as computer components to provide protection at the customer's site. Made from a non-woven fabric impregnated with conductive polymer. Adhesive on a copper foil is used for easy contact to product chassis for equipotential bonding. These bands do not connect to electrical ground.

Part Number	Cord Length
WB5407	57"

Anti-Allergy Single Wire Wrist Strap Set



The ideal grounding device for people with allergies to common metals. It features hypoallergenic silver-plated nylon thread for conductivity and the back plate is plastic so there is no metal contact with skin.

Part Number	Snap Size	Cord Length
WB5026	4mm	Band Only
WB5637	4mm	6'
WB5643	4mm	12'

SINGLE WIRE COIL CORDS



- Premium Flat Face Snap for Solid Connection
- Short Swivel Type Banana
- 2.5 mm Polyurethane Coil Insulation
- Lengths: 6', 12', and 20'
- Available with right angle plug option

Part Number	Snap Size	Cord Length
CC9037	4mm	6'
CC9043	4mm	12'
CC9037R	4mm	6'
CC9043R	4mm	12'
CC9020	4mm	20'

DUAL WIRE COIL CORDS



- Double Insulated Jacket
- Stainless Steel Tip
- Tip Diameter: 3.0 mm
- Available with a Right Angle Plug
- Compatible with Dual Conductor Constant Monitors

Part Number	Snap Size	Cord Length
CC3050	4mm	5'
CC3100	4mm	10'
CC3200	4mm	20'
CC3050R	4mm	5'
CC3100R	4mm	10'
CC3200R	4mm	20'



- Classic Molded Snap
- Swivel Type Banana Jack
- 2.5 mm Polyurethane Coil Insulation
- Snap Sizes: 4mm; 7mm; 10mm

Part Number	Snap Size	Cord Length
CC0037	4mm	6'
CC0038	7mm	6'
CC0039	10mm	6'
CC0043	4mm	12'
CC0044	7mm	12'
CC0045	10mm	12'



- Double Insulated Jacket
- Two 4mm Snaps
- Banana: 3.5mm Phono Plug
- Right Angle Plug
- Compatible with Dual Conductor Constant Monitors

Part Number	Snap Size	Cord Length
CC2080	4mm	6'
CC2085	4mm	12'

INTERCONNECT COIL CORDS



- Two Banana Plugs
- 8 feet Long
- No Resistor
- Available in a straight cord option with no coils.

Part Number	Snap Size	Cord Length
CC3000NR	Banana Plug	8'
CC3000NR-S	Banana Plug	8'



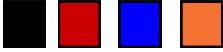
- Parking Jack On Snap Head
- Two 4mm Snaps
- Banana: 3.5mm Phono Plug
- Compatible with Dual Conductor Constant Monitors

Part Number	Snap Size	Cord Length
CC2695P-5	4mm	5'
CC2695P-10	4mm	10'
CC2695P-20	4mm	20'

Cup Style



Four Colors Available!



HEEL GROUNDERS

Ground mobile personnel with our long-lasting stretch hook and loop ESD heel grounders. The reversible cup design allows for longer life. When one side becomes worn, you can flip the strap over and use the other side. The stretch hook and loop closure strap is made with elastic which creates a comfortable but secure fit around the shoe. The elasticity allows the strap to stretch as you walk. A buried 1meg resistor is built into the strap. The cup style heel grounders is also available in options with a D-ring hook and loop fastener as well as a buckle strap to provide a tight fit.

Part Number	Cup	Fastener	Color
HG1232	1.38"	Buckle	Blue
HG1246	1.38"	D-Ring	Blue
HG1341	1.25"	Stretch Hook and Loop	Blue
HG1360	1.25"	Stretch Hook and Loop	Black
HG1360R	1.25"	Stretch Hook and Loop	Red
HG1360B	1.25"	Stretch Hook and Loop	Blue
HG1360XL	1.25"	Stretch Hook and Loop	Black
HG1370	1.25"	Stretch Hook and Loop	Orange
HG1380	1.25"	Buckle	Blue

SOLE GROUNDERS

The HG6000 Series sole grounder provides more contact area with the ESD flooring, improving charge dissipation. These sole grounders provide rapid and complete static dissipation due to constant contact through the entire walking motion. Wearing the conductive ribbon inside the shoe or sock assures proper electrical contact with the user. Available with a 1meg or 2meg resistor built into the sole grounder.



- Resistor: 1 Meg or 2 Meg
- Color: Black, Blue Strap
- Rubber Exterior: $<10^5$ Ohms
- Size: Full Sole Coverage
- X-Small, Small, Med, Large
- Closure: Elastic



COVERAGE: Covers Most of the Shoe Sole
To Ensure Ground Protection Throughout a Full Step

Part Number	Resistor	Fastener	Shoe Size (Men's US)	Color
HG6005	1meg	Hook and Loop	Up to 6	Blue
HG6010	1meg	Hook and Loop	7-9	Blue
HG6020	1meg	Hook and Loop	10-12	Blue
HG6030	1meg	Hook and Loop	12+	Blue
HG6052	2meg	Hook and Loop	Up to 6	Blue
HG6012	2meg	Hook and Loop	7-9	Blue
HG6022	2meg	Hook and Loop	10-12	Blue
HG6032	2meg	Hook and Loop	12+	Blue

Sport Style Heel Grounders



Sport Style Heel Grounders are designed for active wearers and are ideal for boots and cross-training athletic shoes. A highly visible elastic back strap forms to the heel, ensuring proper fit. A Non-Marking version is available.

- Resistor: 1 Meg
- Color: Blue, Red Elastic
- Rubber Exterior: 10^5ohms
- Size: 1.37" Wide
- Ribbon: 18" Conductive Yarn
- Closure: Hook and Loop, D-ring or Non-Marking

Part Number

HG1580-NM	Non-marking
HG1590	Hook and Loop
HG1594	D-Ring

Hi-Visibility Style Heel Grounder



The Hi-Visibility Heel Grounder is constructed from durable materials and features a hi-visibility yellow/green hook and loop closure for easy identification in the work area.

- Resistor: 1 Meg
- Color: Hi-Vis Elastic
- Rubber Exterior: 10^5ohms
- Size: 1.37" Wide
- Ribbon: 18" Conductive Yarn
- Closure: Hook and loop

Part Number

HG1390S	Hi-Vis
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Non-Marking Heel Grounder



Keep your environment clean with these non-marking heel grounders constructed from non-marking and highly dissipative three layer rubber.

- Resistor: 1 Meg
- Color: Blue/Grey
- Size: 1.5" Wide
- Ribbon: 18" Conductive Yarn
- Closure: Hook and loop

Part Number

HG1360NM-2	Non-marking
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Toe Grounder



Toe Grounders are perfect for a wide variety of heeled shoes. Constructed from durable materials and featuring a comfortable elastic closure, the HG2520 provides protection for staff on the move.

- Resistor: 1 Meg
- Color: Black Stretch Hook and Loop
- Rubber Exterior: 10^5Ohms
- Size: 35mm Wide

Part Number

HG2520	Toe Grounder
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Disposable Heel Grounders



Disposable Heel Grounders are a single use, economical solution for temporary personnel who enter static controlled environments with ESD flooring. Secures to footwear with a non-damaging adhesive.

- Material: Non-Woven Polyester with Carbon
- Color: Black, Yellow
- Resistance: > 1×10^5 - 3.5×10^7
- Adhesive Strip Secures Strap to Footwear

Part Number

HG4560	Disposable, 12"
HG4560L	Disposable, 24"



APPAREL

- *Jackets*
- *Lab Coats*
- *Embroidery*
- *Heat Resistant Gloves*
- *Inspection Gloves*
- *Cut Resistant Gloves*

ESD Apparel can help prevent damage to sensitive electronic components that are being assembled or packaged within a protected area. Our garments and gloves have been specially designed to be comfortable for the user and effective in reducing the damage caused by static generation. Antistatic clothing is an essential part of an ESD program and is a visual indicator of a company's commitment to quality.

ESD JACKETS

5049 Heavy Weight Cotton ESD Jackets

The valuable combination of blending polyester and cotton makes 5049 garments more comfortable to wear than polyester garments. Superior workmanship provides reliable panel to panel continuity of the garment. The 5049 Series Garment maintains consistent continuity readings for up to 100 wash cycles. Available in a waist length jacket or full length lab coat.

Features

- 66% polyester / 32% cotton / 2% carbon fabric blend for a comfortable feel
- Surface Resistivity: $\leq 10^6$
- Garments are available in blue and white
- Adjustable snap cuff for proper fit
- ESD cuff with snap-to-ground feature is also available.



Lapel Collar ESD Jacket
66% Polyester,
32% Cotton,
2% Carbon

- Lapel Collar
- Snap Closure
- Knit Cuff
- Waist Length

Part Number	Size
JWC5401	XS
JWC5402	S
JWC5403	M
JWC5404	L
JWC5405	XL
JWC5406	2XL
JWC5407	3XL
JWC5408	4XL
JWC5409	5XL

Add LB (Light Blue) or WH (White) to the end of the part number to designate the color



Lapel Collar ESD Jacket
66% Polyester,
32% Cotton,
2% Carbon

- Lapel Collar
- Snap Closure
- Snap Cuff
- Waist Length

Part Number	Size
JWC5401SP	XS
JWC5402SP	S
JWC5403SP	M
JWC5404SP	L
JWC5405SP	XL
JWC5406SP	2XL
JWC5407SP	3XL
JWC5408SP	4XL
JWC5409SP	5XL

Add LB (Light Blue) or WH (White) to the end of the part number to designate the color



Lapel Collar ESD Lab Coat
66% Polyester,
32% Cotton,
2% Carbon

- Lapel Collar
- Snap Closure
- Knit Cuff
- Full Length

Part Number	Size
JLC5401	XS
JLC5402	S
JLC5403	M
JLC5404	L
JLC5405	XL
JLC5406	2XL
JLC5407	3XL
JLC5408	4XL
JLC5409	5XL

Add LB (Light Blue) or WH (White) to the end of the part number to designate the color



Lapel Collar ESD Lab Coat
66% Polyester,
32% Cotton,
2% Carbon

- Lapel Collar
- Snap Closure
- Snap Cuff
- Full Length

Part Number	Size
JLC5401SP	XS
JLC5402SP	S
JLC5403SP	M
JLC5404SP	L
JLC5405SP	XL
JLC5406SP	2XL
JLC5407SP	3XL
JLC5408SP	4XL
JLC5409SP	5XL

Add LB (Light Blue) or WH (White) to the end of the part number to designate the color

8812 Light Weight ESD Jackets

Transforming Technologies' lightweight garment, the 8812 jacket is the ideal tool for protecting your most sensitive products while keeping cool and comfortable. The 8812 is fabricated from 88% lightweight polyester and 12% carbon fabric for unmatched operator comfort. Superior workmanship provides reliable panel-to-panel continuity that maintains consistent readings for up to 100 wash cycles.

Features

- 88% Polyester / 12% Carbon Fabric
- Surface Resistivity: $\leq 10^6$
- Available in Blue, White, and Maroon
- Lapel Collar or V-neck
- Adjustable Snap Cuff for Proper Fit



- Lapel Collar ESD Jacket**
88% Polyester,
12% Carbon
- Lapel Collar
 - Snap Front
 - Knit Cuff
 - 3/4 Length



- V-Neck ESD Jacket**
88% Polyester,
12% Carbon
- V-Neck Collar
 - Snap Front
 - Knit Cuff
 - 3/4 Length
 - Short sleeve option available

Part Number	Size
JKC8801	XS
JKC8802	S
JKC8803	M
JKC8804	L
JKC8805	XL
JKC8806	2XL
JKC8807	3XL
JKC8808	4XL
JKC8809	5XL

Add LB (Light Blue), WH (White), BK (Black) or BG (Burgundy) to the end of the part number to designate the color

Part Number	Size
JKV8821	XS
JKV8822	S
JKV8823	M
JKV8824	L
JKV8825	XL
JKV8826	2XL
JKV8827	3XL
JKV8828	4XL
JKV8829	5XL

Add LB (Light Blue), WH (White), BK (Black) or BG (Burgundy) to the end of the part number to designate the color of the Jacket. Add SS to order short sleeve (only stocked in blue)



- Lapel Collar ESD Jacket**
88% Polyester,
12% Carbon
- Lapel Collar
 - Snap Front
 - Snap Cuff
 - 3/4 Length



- V-Neck ESD Jacket**
88% Polyester,
12% Carbon
- V-Neck Collar
 - Snap Front
 - Snap Cuff
 - 3/4 Length

Part Number	Size
JKC8801SP	XS
JKC8802SP	S
JKC8803SP	M
JKC8804SP	L
JKC8805SP	XL
JKC8806SP	2XL
JKC8807SP	3XL
JKC8808SP	4XL
JKC8809SP	5XL

Add LB (Light Blue), WH (White), BK (Black) or BG (Burgundy) to the end of the part number to designate the color

Part Number	Size
JKV8821SP	XS
JKV8822SP	S
JKV8823SP	M
JKV8824SP	L
JKV8825SP	XL
JKV8826SP	2XL
JKV8827SP	3XL
JKV8828SP	4XL
JKV8829SP	5XL

Add LB (Light Blue), WH (White), BK (Black) or BG (Burgundy) to the end of the part number to designate the color

9010 Medium Weight ESD Jackets

Transforming Technologies 9010 ESD Jackets provide high quality ESD protection at great value with a light weight blend of 90% polyester and 10% conductive fiber fabric. The 9010 Series garments maintain consistent continuity readings for up to 100 wash cycles and are certified as a groundable garment, the highest ESD standard for garments. Features include a snap front closure, wrist-adjustment snaps or ESD knit cuffs, three roomy patch pockets, and lapel-style collars.

Features

- 90% polyester / 10% carbon
- Surface Resistivity: $\leq 10^6$
- Garments are available in light blue, teal, maroon, white, black, grey, hi vis green, hi vis orange and camouflage
- Adjustable three snap cuff for proper fit.



- Lapel Collar ESD Jacket**
90% Polyester, 10% Carbon
- Lapel Collar
 - Snap Closure
 - 3/4 length
 - Knit Cuff

Part Number	Size
JKC9021	XS
JKC9022	S
JKC9023	M
JKC9024	L
JKC9025	XL
JKC9026	2XL
JKC9027	3XL
JKC9028	4XL
JKC9029	5XL

Add LB (Light Blue), WH (White), BK (Black), MR (Maroon), TL (Teal) Or GY (Grey) to the end of the part number to designate the color



- Lapel Collar ESD Jacket**
90% Polyester, 10% Carbon
- Lapel Collar
 - Snap Closure
 - 3/4 length
 - Three Snap Sleeve

Part Number	Size
JKC9021SP	XS
JKC9022SP	S
JKC9023SP	M
JKC9024SP	L
JKC9025SP	XL
JKC9026SP	2XL
JKC9027SP	3XL
JKC9028SP	4XL
JKC9029SP	5XL

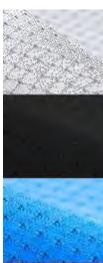
Add LB (Light Blue), WH (White), BK (Black), MR (Maroon), TL (Teal), CGY (Camo Grey) Or GY (Grey) to the end of the part number to designate the color



- V-Neck ESD Jacket**
90% Polyester, 10% Carbon
- V-neck
 - Snap Closure
 - 3/4 length
 - Knit Cuff

Part Number	Size
JKV9021	XS
JKV9022	S
JKV9023	M
JKV9024	L
JKV9025	XL
JKV9026	2XL
JKV9027	3XL
JKV9028	4XL
JKV9029	5XL

Add LB (Light Blue), WH (White) or BK (Black) to the end of the part number to designate the color



- V-Neck ESD Jacket**
90% Polyester, 10% Carbon
- V-neck
 - Snap Closure
 - 3/4 length
 - Three Snap Sleeve

Part Number	Size
JKV9021SP	XS
JKV9022SP	S
JKV9023SP	M
JKV9024SP	L
JKV9025SP	XL
JKV9026SP	2XL
JKV9027SP	3XL
JKV9028SP	4XL
JKV9029SP	5XL

Add LB (Light Blue), WH (White) or BK (Black) to the end of the part number to designate the color

HI-VISIBILITY ESD JACKETS

9010 Medium Weight ESD Jackets

Be seen while ESD Safe! Hi-Visibility ESD Jackets will help you stand out while protecting your static sensitive processes. These jackets are made from our 9010 fabric (90% polyester, 10% carbon). Features include a snap front closure, wrist-adjustment snaps, three roomy patch pockets and lapel style collars. The 9010 series garments maintain consistent continuity readings after 100 wash cycles.

Specifications:

- Meets: ANSI/ESD S20.20 per ANSI/ESD STM2.1
- Material: 90% polyester, 10% carbon
- Weave: Knitted-4bar
- Weight: 120gm/M
- Width: 142cm
- Surface Resistance Below $10^6\Omega$



- Hi-Visibility Green
- Groundable Static Control Garment System
- Lapel Collar
- Three Snap Adjustment Sleeves
- Excellent Panel-To-Panel Conductivity



- Hi-Visibility Orange
- Groundable Static Control Garment System
- Lapel Collar
- Three Snap Adjustment Sleeves
- Excellent Panel-To-Panel Conductivity

Part Number	Size
JKC9021SPGN	XS
JKC9022SPGN	S
JKC9023SPGN	M
JKC9024SPGN	L
JKC9025SPGN	XL
JKC9026SPGN	2XL
JKC9027SPGN	3XL
JKC9028SPGN	4XL
JKC9029SPGN	5XL

Part Number	Size
JKC9021SPOR	XS
JKC9022SPOR	S
JKC9023SPOR	M
JKC9024SPOR	L
JKC9025SPOR	XL
JKC9026SPOR	2XL
JKC9027SPOR	3XL
JKC9028SPOR	4XL
JKC9029SPOR	5XL

CUSTOM EMBROIDERY SERVICES

Interested in having your business outfitted in custom apparel? We offer custom logos and name identification on all of our jackets. There is an initial fee to digitize your company's logo. After that, you pay for each jacket's embroidery with an estimated 2 week lead time.

- We can print almost any logo, design or text
- Withstands multiple washings
- Markings are soft and breathable
- Marking will not crack or peel



ESD GLOVES

High Temp ESD Hot Glove

Static protection and heat protection in a clean room compatible glove. FG gloves use monofilament Nomex® woven fabric suffused with carbon fiber and enhance the heat protection with a 100% inner insulating tricot knit polyester fabric liner. Gloves resist up to 572° F (300°C). Available in 11" and 16" in Small, Medium, Large, XL and 2XL.



11"

Part Numbers	
FG2601	Small
FG2602	Medium
FG2603	Large
FG2604	X-Large
FG2605	2X-large



16"

Part Numbers	
FG3901	Small
FG3902	Medium
FG3903	Large
FG3904	X-Large
FG3905	2X-large

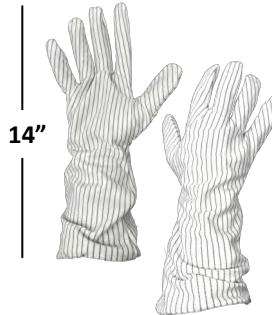
High Temp ESD Hot Sleeve



Part Numbers	
FG6200	ESD Hot Sleeve

Mid Temp ESD Hot Glove

GL9100 series ESD safe hot gloves use a polyester knit fabric suffused with carbon fiber for ESD protection. Gloves resist up to 302°F(150°C).



14"

Part Numbers	
GL9101	Small
GL9102	Medium
GL9103	Large
GL9104	X-Large

GL4500 Inspection Gloves

ESD inspection gloves are designed to be worn when handling ESD susceptible items when cleanliness and tactile feel are important. The gloves are made with dissipative (10^5 - 10^8 ohms) conductive fibers to reduce charge generation. Available with polyurethane coated finger tips or palms or plain to minimize fingerprints and scratches on film or other products. Sizes: X-small, Small, Med, Large, X-Large and 2X-Large.

Uncoated



Part Number	Size
GL4501	XS
GL4502	S
GL4503	M
GL4504	L
GL4505	XL
GL4506	2XL

Coated Palm



Part Number	Size
GL4501P	XS
GL4502P	S
GL4503P	M
GL4504P	L
GL4505P	XL
GL4506P	2XL

Coated Finger Tips



Part Number	Size
GL4501T	XS
GL4502T	S
GL4503T	M
GL4504T	L
GL4505T	XL
GL4506T	2XL

GL2500 Series ESD Cut 3 Resistant Gloves

The StaticCare™ ESD Cut 3 Resistant Gloves combine powerful cut resistance, comfort and uniform ESD protection into one superior performing glove. The gloves are certified ANSI Cut Level 3 while maintaining softness, flexibility and comfort. A finished knit wrist cuff provides a snug fit to reduce glove slippage and keep debris out. Available with polyurethane coated finger tips or palms to improve grip while maintaining breathability. The gloves may be laundered for repeated use. Sold in packs of 12 pairs.

The Staticare™ GL2500 series gloves provide superior ESD protection because conductive carbon threads are combined with the cut resistant fibers to provide uniform static decay rates. Typical surface resistance is less than 10^7 ohms per ANSI/ESD SP15.1

Uncoated



Part Number	Size
GL2501	XS
GL2502	S
GL2503	M
GL2504	L
GL2505	XL
GL2506	2XL

Coated Palm



Part Number	Size
GL2501P	XS
GL2502P	S
GL2503P	M
GL2504P	L
GL2505P	XL
GL2506P	2XL

Coated Finger Tips



Part Number	Size
GL2501T	XS
GL2502T	S
GL2503T	M
GL2504T	L
GL2505T	XL
GL2506T	2XL

GL6500 Series ESD Cut 6 Resistant Gloves

The StaticCare™ ESD Cut 6 Resistant Gloves are ANSI Cut Level A6 Certified. The gloves have an 18 gauge exclusive lining technology contributing it the thinnest cut F glove. Most cut resistant gloves are bulky with low dexterity. We made softness and flexibility a priority with our GL6500 cut 6 resistant gloves as they provide perfect dexterity, comfort and fitting. The gloves are also 10-finger touch screen compatible to use with your devices.

The Staticare™ GL6500 series gloves provide superior ESD protection because conductive carbon threads are combined with the cut resistant fibers to provide uniform static decay rates. Typical surface resistance is less than 10^7 ohms per ANSI/ESD SP15.1

Sold as 12 pair per bag.

Applications:

- Automotive industry
- Glass industry
- Paper industry
- Construction
- Electronics Industry



Part Number	Size
GL6501N	XS
GL6502N	S
GL6503N	M
GL6504N	L
GL6505N	XL
GL6506N	2XL



IONIZERS

- *Blowers*
- *Overhead*
- *Ionizing Guns*
- *Ion Bars*
- *Nozzles*
- *Accessories*

Ionizers deliver a balanced stream of positive and negative ions and are used primarily to control static charges on insulating materials such as standard plastic. Ionizers are the solution for dust and contamination, quality control, process lockup, spray painting, static shocks and much more. Transforming Technologies carries a wide variety of ionization products for use in industries such as electronics assembly, cleanroom, semiconductor, flat panel display, medical device manufacturing and pharmaceutical.



Ionizers



SCION™ Square Wave AC Technology

Using AC Square Wave Technology, the Scion™ series ionizing bars increase air conductivity and continuously deliver a balanced stream of bipolar ions to the intended target. Scion™ ionizing bars use AC square wave ionization technology that produce positive and negative ions from every emitter point. Each emitter point is bipolar, instead of polarity dedicated emitter points. Bipolar emitter points offer unique benefits over Pulsed DC ionizers.

Benefits of Scion™ Ionization vs Pulsed DC Ionizers

- Superior ion balance.
- Faster decay times.
- Emitter points that stay cleaner.
- Emitter points that last longer.
- Easy adjustment for a wide range of applications.
- Stable long-term performance.



SCION™ IN1200 Ion Bar

With the combination of programmable AC technology and a unique design, the IN1200 provides uniform static elimination at high speeds. The remote controlled IN1200 quickly and efficiently controls static in mini-environments, laminar flow hoods and wide-area workstation applications. It is a highly effective tool in electronics, plastics, chemicals, printing, textile, optical and other industries.



Features:

- Programmable AC ionizing Technology
- Remote Control Operation
- Unique Aerodynamic Design
- Patented Molded Emitter
- LED Readout
- Available with Silicon Points

Specifications:

Decay Time: <2 sec. @ 12"

Length: 12", 22", 44" or 64"

Power: 120VAC, 60 Hz., 36 W
220VAC, 50 Hz.

Air Pressure: 70 PSI

The SCION display is used to set the bar's settings:

- FQ: Frequency
- IB: Ion Balance
- HV: High Voltage
- KVCT
- Status

Connect the display to the bar via an ethernet cord and the port on the left hand side of the bar and the port labeled Power on the display. The ion bar's current settings will be automatically displayed. The remote can be used to change the duty ratio and working frequency.



BFN AC Ionizers

BFN AC Ionizers Technology

The BFN series ionizers, with inherently stable AC technology, provides excellent balance and rapid charge decay for secure workstation protection. The BFN series use corona ionizing technology to produce a balanced output of positive and negative air ions. Typical ion balance of the BFN series is less than ± 10 volts and decay times can be less than 2 seconds (1000v to 100v per ANSI/ESD STM3.1). The BFN series is available in four models and each is ruggedly built using a steel enclosure and quality components. Regular cleaning of the emitter points is made easy on the BFN series ionizers as they include integrated emitter point cleaners.

All BFN Model Ionizers Include:

- A Full 1 Year Warranty
- CE Certification
- Integrated Emitter Point Cleaners
- Titanium Alloy Emitter Points for Long Life
- Rugged Steel Enclosures

BFN802 & BFN803 Overhead Ionizers

The BFN overhead ionizing blowers combine excellent ESD performance with user friendly features to create the premier overhead ESD workstation solution. The ionizers are equipped with energy efficient LED task lights to help alleviate eye strain and headaches - all while saving on energy costs. User friendly features such as integrated emitter point cleaners, removable front and rear fan guards, and safety switches provide for safe operation and easy maintenance access.

Features:

- Two and Three Fan Versions
- High Efficiency LED Lighting
- Overhead Installation Frees Up Workspace
- Integrated Emitter Cleaners
- Removable Finger Guards with Auto Shut-Off Sensor
- Typical Balance: ± 10 volts



BFN802 Specifications:

Decay Time: <3 sec. @ 18"
Size: 6.75"H x 23"W x 3.35"D
Weight: 12.8lbs
Power: 120VAC, 60 Hz., 70W
220VAC, 50 Hz.
Air Volume Output:
(Low)100 CFM - (High) 200 CFM
Effective Coverage: 2' x 3' area

BFN803 Specifications:

Decay Time: <3 sec. @ 18"
Size: 6.75"H x 38.78"W x 3.35"D
Weight: 18.7lbs
Power: 120VAC, 60 Hz., 70W
220VAC, 50 Hz.
Air Volume Output:
(Low)150 CFM - (High)300 CFM
Effective Coverage: 2' x 4' area



BFN801 Bench Top Blower

Provides consistent static elimination for a standard table top work area. Designed to protect the most sensitive electronic devices, the BFN801 uses corona ionizing technology to continuously produce a balanced output of positive and negative air ions to neutralize static charges. Easy to maintain and service.

Features:

- Small Footprint Frees Valuable Work Space
- Built In Emitter Point Cleaners
- Rugged Steel Construction
- Typical Balance: ± 10 volts

Specifications:

Decay Time: <2 sec. @ 12"
Size: 10.25"H x 7"W x 3.75"D
Weight: 8.25lbs
Power: 120VAC, 60 Hz., 36W
220VAC, 50 Hz.
Air Volume Output:
(Low) 50 CFM- (High) 100 CFM
Effective Coverage: 1' x 5' Area



BFN8412 Extended Range Blower

The extended range ionizing blower is designed to cover a broad 3' x 6' area. The BFN8412 uses AC technology to continuously produce a balanced output of positive and negative air ions over a large area. A built-in emitter point cleaner makes maintenance a breeze.

Features:

- Reliable AC Output
- Extended Performance Range
- Integrated Emitter Cleaner
- Removable Finger Guards with Auto Shut-Off Sensor
- Typical Balance: ± 10 volts

Specifications:

Decay Time: <1.5 sec. @ 12"
Size: 19.7"H x 7.28"W x 7.9"D
Weight: 15.2lbs
Power: 120VAC, 60 Hz., 350W(max)
220VAC, 50 Hz.
Effective Coverage: 3' x 6' area

BFNG10 AC Ionizing Gun

The BFN®G10 ionizing gun combines portability, fast static decay rates, excellent balance and low compressed air consumption to efficiently remove static and contaminants in the Semiconductor, Electronic Assembly, Medical Device, Optics, Auto-motive and Pharmaceutical markets.

The gun body is lightweight but durable, and features a light-touch trigger, making it comfortable for extended use. A built-in piezoelectric transformer eliminates the high voltage cable, and a metal hanger is provided for easy mounting.



Features:

- Reliable AC Output
- Point-And-Shoot Precision Ionization
- Ergonomic Handle Design
- 0.01 Micron Filter (Optional)

Specifications:

Decay Time: <2 sec. @ 12"
Balance: +/- 25 volts
Weight: 2.1lbs
Air Pressure: 20 - 87 PSI, CDA or N2

Ptec™ AC Ionizers

Ptec™ Ionizer Technology

Ptec™ static elimination devices use a specialized piezo technology that offers exceptionally fast static decay capabilities with excellent balance stability, all in a small footprint. Ptec™ ionizers produce a 68KHz AC output of approximately 2200V and a continuous stream of balanced air ions. Ptec™ ionizers save time and money because they require no calibration. Emitter life is increased and maintenance frequency is reduced due to 68KHz AC ion emission.

All Ptec™ Ionizers Include:

- A Full 1 Year Warranty
- CE Certification
- High Voltage Alarm
- Titanium Alloy Emitter Points for Long Life



IN5110 Bench Top Blower

Small, stable and quiet with unmatched performance, the IN5110 provides fast decay of static charges over a targeted workstation or area. A lightweight and compact design combined with an adjustable blowing angle makes the IN5110 a versatile bench top solution. The ionizer features a removable fan guard for easy maintenance.

Features:

- Quickly Neutralizes Static Charges
- Stable Ptec™ AC Output
- Ionization Indicator and Alarm Light
- Variable Fan Speed Control

Specifications:

Decay Time: <2 sec. @ 12"
 Size: 7.5"H x 7.1"W x 2.7"D
 Weight: 2.8lbs
 Power: 24VDC, 12W, un-fused, 0.5A or 1.0A max
 Air Volume Output: 115 CFM, High Speed

IN5120 In-Tool Blower

Utilizing the small physical profile of the Ptec™ piezo technology, the IN5120 is small enough to fit inside many electronic manufacturing tools and powerful enough to provide reliable ESD protection. The IN5120 is especially useful in space-constrained applications.

Features:

- Compact Size
- Stable Ptec™ AC Output
- Ionization Indicator and Alarm Light
- Typical Balance: ±10Volts
- Easy to Install in Electronics Equipment

Specifications:

Decay Time: <3 sec. @ 12"
 Size: 5.5"H x 5.5"W x 2.28"D
 Weight: 1.4lbs
 Power: 24VDC, 12W, un-fused, 0.5A or 1.0A max
 Air Volume Output: 32 CFM, High Speed



IN5130 Overhead Ionizer

The IN5130 easily provides fast static charge decay over a standard work surface area. Its hanging installation saves valuable workspace. The IN5130 overhead ionizers are designed to be daisy-chained for easy integration into the manufacturing environment.

Features:

- Stable Ptec™ AC Output
- Daisy-Chain Design
- Variable Fan Speed Control
- Balanced to 0±10 Volts

Specifications:

Decay Time: <6 sec. @ 24"
 Size: 2.5"H x 39.4"W x 5.75"D
 Weight: 11.0lbs
 Power: 100-240 VAC, 36W, un-fused, 0.5A or 1.0A max
 Air Volume: Output 300 cfm, High Speed

IN5500 Bench Top Blower

This self-cleaning Ionizing Air Blower is a small, efficient static elimination device with variable fan speed for protecting electronic components. The IN5500 can self-clean the emitter points with internal spinning brushes. Schedule the cleaning after a predetermined amount of running time. Self-cleaning helps to eliminate maintenance costs and equipment downtime.

Features:

- Self-cleaning feature to keep the emitter points clean
- Stable Ptec™ AC Output
- Ionization Indicator and Alarm Light
- Variable Fan Speed Control

Specifications:

Decay Time: 1000V-100V, <2 Seconds @1'
 Balance: +10 volts
 Air Volume: 40-70 CFM
 Mounting: Mounting holes on base
 Dimensions: 17.8"x8.5"x7.25"



IN6430 Ionizing Gun

Integrates best-in-class AC performance with mechanical and ergonomic design features to create a superior and affordable package. We eliminate high voltage cables by locating the power supply in the ionizing gun handle.



Optional Filter

The replaceable 0.01 micron filter available for the IN6430 assures a clean flow of ionized air. Yearly minimum replacement. More often if in a controlled or dirty environment.

Features:

- Fast Charge Decay
- Integrated Air/Power Cable
- Optional .01 Micron Filter
- Balanced to 0±30 Volts

Specifications:

Decay Time: <2 sec. @ 12"
 Size: Hand Unit: 8.5"H x 4"W x 1"D
 Console: 3.5"H x 6.25"W x 1.5"D
 Weight: 1.12lbs
 Air/Gas Pressure: 20psi min, 75psi max
 Power: 100-240 VDC, 50/60Hz., un-fused, 0.5A or 1.0A max



IN6200 Ionizing Gun With Filter

Features a durable fiberglass enforced plastic case, quick release button and a secure locking air filter inside the housing unit. A 1/4" industrial-style brass plug for quick and easy connection to air/gas line coupler. Compatible with most air hose and piping. Includes a retractable spring-loaded sleeve permits connection or release of plug body.

Features:

- Fast Charge Decay
- Integrated Air/Power Cable
- .01 Micron Filter Included
- Balanced to 0±15 Volts
- Quick Release Button

Specifications:

Decay Time: <2 sec. @ 12"
 Size: Hand Unit: 8.25"H x 4.33"W x 1"D
 Console: 8.3"H x 3"W x 1.7"D
 Weight: 1 lb
 Air/Gas Pressure: 20psi min, 75psi max
 Gas Tube: 1/4" OD





IN4000 AirFlex Ionizing Nozzle

The flexible nozzle neck frees the operator's hands during assembly and manufacturing processes. A foot pedal or photoelectric eye controls both ionization and airflow, which reduces compressed air costs and extends the life of the ionizer.

Features:

- Fast Charge Decay
- Flexible Metal Neck
- Works with IN3425 Nozzle Tips
- Optional .01 Micron Filter (pn FL0030)
- Footswitch or Photoelectric Eye Operation (pn IN4000PE)
- Typical Balance: ± 10 volts

Specifications:

- Decay Time: <2 sec. @ 24"
- Size: 12"H x 5.75"W x 7.25"D
- Weight: 28lbs
- Power: 100-240VCA, 50/60Hz, un-fused, 0.5A or 1.0A max
- Air/Gas Pressure: 10psi min, 100psi max
- Gas Tube: 1/4" OD



Photoelectric Eye

IN4200 AirFlex Ionizing Nozzle

The flexible nozzle neck frees the operator's hands during assembly and manufacturing processes. A foot pedal or photoelectric eye controls both ionization and airflow, which reduces compressed air costs and extends the life of the ionizer. The IN4200 features



Features:

- Fast Charge Decay
- Flexible Metal Neck
- Works with IN3425 Nozzle Tips
- Optional .01 Micron Filter (pn FL0030)
- Footswitch or Photoelectric Eye Operation (pn IN4000PE)
- Typical Balance: ± 10 volts

Specifications:

- Decay Time: <2 sec. @ 24"
- Size: 12"H x 5.75"W x 7.25"D
- Weight: 28lbs
- Power: 100-240VCA, 50/60Hz, un-fused, 0.5A or 1.0A max
- Air/Gas Pressure: 10psi min, 100psi max
- Gas Tube: 1/4" OD



Photoelectric Eye

StaticAIRE™ Still Air Ionizer

The StaticAIRE™ IN1000 Still Air Ionizer quickly and effectively eliminates static without using airflow. It's designed for use in a variety of localized applications where space is limited, and is ideal for installation inside equipment. The IN1000 is an ideal product for mini-environments, analytical laboratories and cleanrooms.

Features:

- Removes Static with No Air Flow
- Ideal Where Space Is Limited or Inside Equipment
- Easy Balance and Decay Adjustment
- Typical Balance: ± 25 volts

Specifications:

- Decay Time: <15 sec. @ 12"
- Size: 5.5"H x 5.0"W x 2.5"D
- Weight: 2lbs
- Power: 100-240VAC, 50/60 Hz.
- Certifications: CE



IN3000 CrossFLOW Extended Range

The CrossFLOW ionizing blower produces a powerful air flow, rich in positive and negative ions that quickly neutralize static charges. Inherently balanced AC technology provides a stable output with exceptionally fast decay performance. The IN3000 also features built in emitter point cleaners and a heater that can be turned on at any time for user comfort.



Features:

- Fast decay performance
- Quickly Neutralize static charges
- Built in emitter point cleaners
- Heater for user comfort
- 3'x6' coverage area
- ±10volts

Specifications:

Decay Time: <2 sec @ 12"
 Size: 17.8"x8.5"x7.25"
 Mounting: Mounting holes on base
 Noise: <50-55 db

IN3425 Air Ionizing Nozzle

The small size enables ionization in hard to reach areas. It can be mounted inside machines, along assembly lines or other confined areas. The IN3425 works efficiently with clean, dry air and nitrogen. Available with a photoelectric switch for automatic operation. Optional nozzle tips change the flow of ionized air for a truly customizable solution.



Features:

- Fast Charge Decay
- Optional Nozzle Tips
- Optional .01 Micron Filter
- Typical Balance: ±10volts
- Available with Photoelectric Switch (p/n IN3425PE)

Specifications:

Decay Time: <1 sec. @ 24"
 Size: 2.0" x 7.1" x 2.7"
 Weight: 1.0lbs
 Air/Gas Pressure: 5psi min, 100psi max
 Power: 24 VDC, 12W, un-fused, 0.5A or 1.0A max



Output Nozzle Options

The IN3425 comes with the N0010 standard nozzle tip. Wide angle, long range, luer lock or manifold tips may be substituted depending on the application



N0010
Standard 15°



N0020
Wide Angle



N0030
Luer Lock



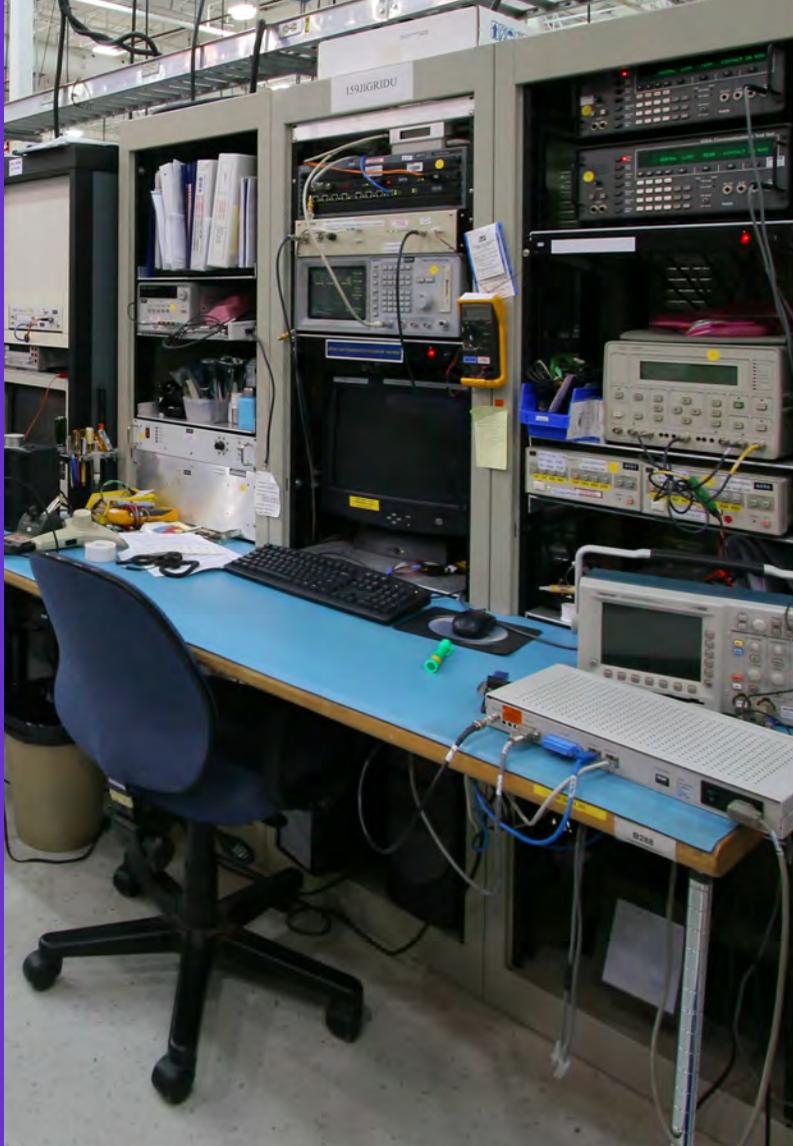
N0040
Long Range



N0050
Bendable



N0060
Perforated Tube



Matting

- *Table Mats*
- *Floor Mats*
- *Field Service Mats*
- *Ground Cords*
- *Hardware*

ESD matting is a very important part of an ESD protected area. ESD mats are designed to eliminate static on its surface and of objects placed upon it. It does this by having a conductive material embedded within the mat that collects the static and sends it to ground (earth). Transforming Technologies specializes in ESD Table Top Mats, ESD Anti Fatigue Floor Mats, ESD Floor Runners, ESD Tiles and the grounding accessories required to set up a mat properly.

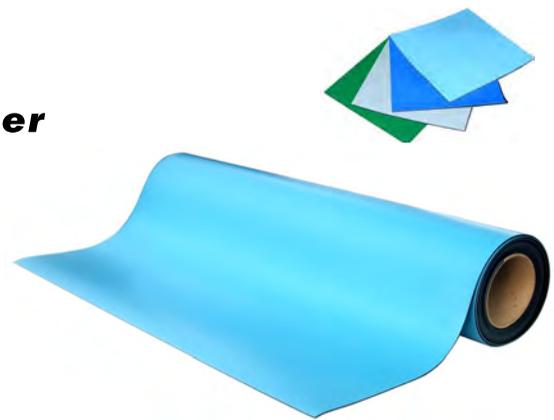
ESD TABLE MATTING

MT4500 Series Premium Two Layer Rubber

4500 Series 0.080" thick heavy-duty rubber matting is designed to be used on workbenches and ESD-Safe stations. This exceptional 2-layer static dissipative mat is manufactured from premium NBR rubber for a long lasting life. It is resistant to hot solder and chemical abrasion. The static dissipative top layer is backed by a conductive bottom layer for outstanding electrical properties. Versatile product with superior flat laying properties.

Size	Nasa Blue	Royal Blue	Green	Gray
24"x50'	MT4524B	MT4524RB	MT4524GN	MT4524GY
30"x50'	MT4530B	MT4530RB	MT4530GN	MT4530GY
36"x50'	MT4536B	MT4536RB	MT4536GN	MT4536GY
48"x50'	MT4548B	MT4548RB	MT4548GN	MT4548GY

Pair with our PM1500 series Mat Cleaner!



Specifications:

- Meets ESD Industry Standards
- Thickness: 0.080"
- RTGP: $8 \times 10^6 - 10^8$ Ohms
- RTT: $2 \times 10^6 - 10^8$ Ohms

MT4500 Series Cut Mats

Order your own cut mats with predetermined sizes or contact us for custom sizing. All cut mats include 2 snaps installed in the corners and a grounding cord (CP2522).

Size	Nasa Blue	Royal Blue	Green	Gray
24"x36"	MT2436B	MT2436RB	MT2436GN	MT2436GY
24"x48"	MT2448B	MT2448RB	MT2448GN	MT2448GY
24"x60"	MT2460B	MT2460RB	MT2460GN	MT2460GY
24"x72"	MT2472B	MT2472RB	MT2472GN	MT2472GY
30"x36"	MT3036B	MT3036RB	MT3036GN	MT3036GY
30"x48"	MT3048B	MT3048RB	MT3048GN	MT3048GY
30"x60"	MT3060B	MT3060RB	MT3060GN	MT3060GY
30"x72"	MT3072B	MT3072RB	MT3072GN	MT3072GY
36"x48"	MT3648B	MT3648RB	MT3648GN	MT3648GY
36"x60"	MT3660B	MT3660RB	MT3660GN	MT3660GY
36"x72"	MT3672B	MT3672RB	MT3672GN	MT3672GY

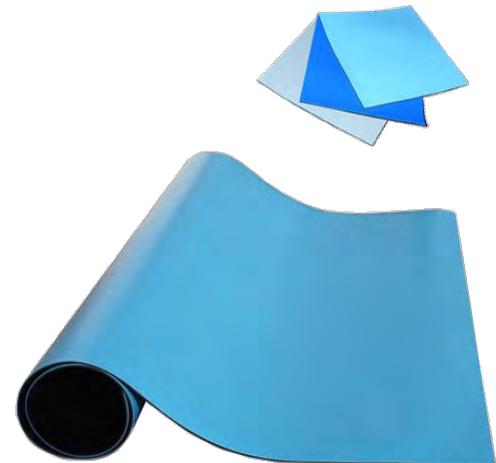
MT2500 Series Two Layer Rubber

2500 Series 0.060" thick rubber mat is manufactured from the same premium NBR rubber as the 4500 series but 0.060" thick. Available in rolls or cut mats with grounding hardware installed.

Size	Nasa Blue	Royal Blue	Green	Gray
24"x50'	MT2524B	MT2524RB		MT2524GY
30"x50'	MT2530B	MT2530RB		MT2530GY
36"x50'	MT2536B	MT2536RB	MT2536GN	MT2536GY
48"x50'	MT2548B	MT2548RB		MT2548GY

MT2500 Cut Mats

24"x36"	MTLP2436B	MTLP2436RB	MTLP2436GN	MTLP2436GY
24"x48"	MTLP2448B	MTLP2448RB	MTLP2448GN	MTLP2448GY
24"x60"	MTLP2460B	MTLP2460RB	MTLP2460GN	MTLP2460GY
24"x72"	MTLP2472B	MTLP2472RB	MTLP2472GN	MTLP2472GY
30"x36"	MTLP3036B	MTLP3036RB	MTLP3036GN	MTLP3036GY
30"x48"	MTLP3048B	MTLP3048RB	MTLP3048GN	MTLP3048GY
30"x60"	MTLP3060B	MTLP3060RB	MTLP3060GN	MTLP3060GY
30"x72"	MTLP3072B	MTLP3072RB	MTLP3072GN	MTLP3072GY
36"x48"	MTLP3648B	MTLP3648RB	MTLP3648GN	MTLP3648GY
36"x60"	MTLP3660B	MTLP3660RB	MTLP3660GN	MTLP3660GY
36"x72"	MTLP3672B	MTLP3672RB	MTLP3672GN	MTLP3672GY



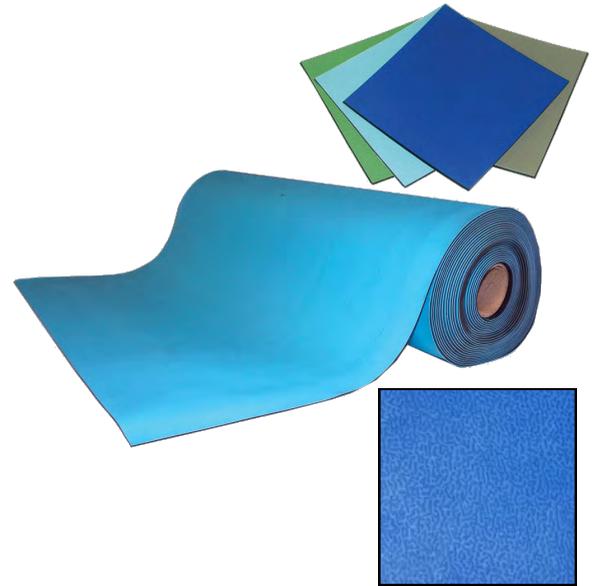
Specification:

- Rolls or Mats Available in Four Colors
- Meets ESD Industry Standards
- Thickness: 0.060"
- RTGP: $8 \times 10^6 - 10^8$ Ohms
- RTT: $2 \times 10^6 - 10^8$ Ohms
- Charge Decay (5kV to 50V): 0.01 Seconds

TABLE MATTING

MT4000 Textured Two Layer Rubber

The MT-Textured series is an exceptional 2-layer table mat composed of an embossed nitrile rubber on top and a natural rubber and styrene-butadiene rubber on the bottom. This material meets the industry standards per ANSI/ESD STM4.1 for resistance and the federal standard 101 method 4046 for static decay.



Size	Nasa Blue	Royal Blue	Green	Gray
24"x40'	MTT2440B	MTT2440RB	MTT2440GN	MTT2440GY
30"x40'	MTT3040B	MTT3040RB	MTT3040GN	MTT3040GY
36"x40'	MTT3640B	MTT3640RB	MTT3640GN	MTT3640GY
48"x40'	MTT4840B	MTT4840RB	MTT4840GN	MTT4840GY
MT4000 Cut Mats				
24"x36"	MTT2436B	MTT2436RB	MTT2436GN	MTT2436GY
24"x48"	MTT2448B	MTT2448RB	MTT2448GN	MTT2448GY
24"x60"	MTT2460B	MTT2460RB	MTT2460GN	MTT2460GY
24"x72"	MTT2472B	MTT2472RB	MTT2472GN	MTT2472GY
30"x36"	MTT3036B	MTT3036RB	MTT3036GN	MTT3036GY
30"x48"	MTT3048B	MTT3048RB	MTT3048GN	MTT3048GY
30"x60"	MTT3060B	MTT3060RB	MTT3060GN	MTT3060GY
30"x72"	MTT3072B	MTT3072RB	MTT3072GN	MTT3072GY
36"x48"	MTT3648B	MTT3648RB	MTT3648GN	MTT3648GY
36"x60"	MTT3660B	MTT3660RB	MTT3660GN	MTT3660GY
36"x72"	MTT3672B	MTT3672RB	MTT3672GN	MTT3672GY

Specification:

- Rolls or Mats Available in Four Colors
- Meets ESD Industry Standards
- Non-Skid Textured Surface
- Thickness: 0.080" (2mm)
- RTGP: 10^6 - 10^8 Ohms
- RTT: 10^6 - 10^8 ohms

Field Service Kits

Made from a rugged, three-layer ESD material that provides service personnel with a static free work area for handling sensitive devices in the field. The kit includes a dissipative ESD Mat, an adjustable fabric wrist strap and a ground cord with bull dog clip. The ground cord bulldog clips easily connects to objects to facilitate at ground in the field. The mat is 24"x24" with two 10mm male snaps and two 8"x12" pockets. The edges are bound for durability.

The mat has the option for male/female snaps and ground/coil combo cord.

Specification:

- Color: Blue or Red
- Two 8" x 12" Pockets with snaps
- Adjustable WB1637 Fabric Wrist Band Set
- CP1518 Ground Cord with Bull Dog Clip
- 24"x24" Mat

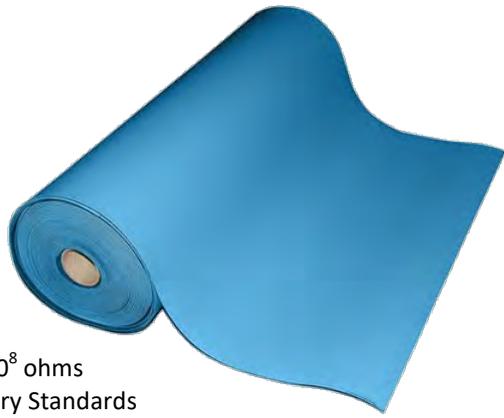


Size	
2'x2' Red Kit	FSM2424R
2'x2' Red Female Mat	FSM2424R-F
2'x2' Red Male Mat	FSM2424R-M
2'x2' Blue Kit	FSM2424B
2'x2' Blue Female Mat	FSM2424B-F
2'x2' Blue Male Mat	FSM2424B-M

TABLE MATTING

VinylSTAT™ A - Three Layer Vinyl

The ultimate in static dissipative flexible surfaces. A solid vinyl, homogeneous mat with a buried conductive layer gives VinylStat A superior physical and unsurpassed electrical qualities.



Size	Part Number
24" x 50'	VMA2450B
30" x 50'	VMA3050B
36" x 50'	VMA3650B
48" x 50'	VMA4850B
24" x 48"	VMA2448B
24" x 72"	VMA2472B
36" x 48"	VMA3648B
36" x 72"	VMA3672B

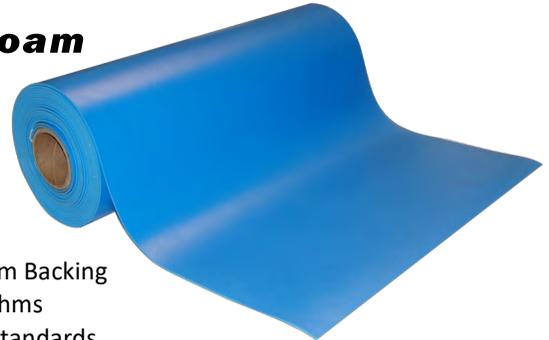
*Replace "B" for Blue with "GY" for Gray

Specification:

- Three Layer Vinyl
- Resistance: 10^7 - 10^8 ohms
- Meets ESD Industry Standards
- 0.093" Thick

VinylSTAT™ B - Three Layer Vinyl with Foam

Provide a cushioned surface for ESD sensitive items with a unique three layer design consisting of a conductive metalized fleece sandwiched between a solid, vinyl top surface and an ergonomic foam layer base.



Size	Part Number
24" x 50'	VMB2450B
30" x 50'	VMB3050B
36" x 50'	VMB3650B
48" x 50'	VMB4850B
24" x 48"	VMB2448B
24" x 72"	VMB2472B
36" x 48"	VMB3648B
36" x 72"	VMB3672B

*Replace "B" for Blue with "GY" for Gray

Specification:

- Three Layer with Foam Backing
- Resistance: 10^7 - 10^8 ohms
- Meets ESD Industry Standards
- 0.125" Thick

VinylSTAT™ C & D - Homogeneous Vinyl

A homogeneous polymer mix construction with unsurpassed electrical properties, gives VinylSTAT C a consistent, controlled static drain and physical properties with highest level of protection.



Size	Part Number
24" x 50'	VMC2450B
30" x 50'	VMC3050B
36" x 50'	VMC3650B
48" x 50'	VMC4850B
24" x 48"	VMC2448B
24" x 72"	VMC2472B
36" x 48"	VMC3648B
36" x 72"	VMC3672B

*Replace "B" for Blue with "GY" for Gray
Replace VMC with VMD for 0.0625" thickness

Specification:

- Three Layer with Foam Backing
- Resistance: 10^7 - 10^8 ohms
- 0.093" Thick (VMC)
- 0.0625" Thick (VMD)

VinylSTAT™ E - Homogeneous Vinyl

Designed for use at workstations and other manufacturing areas. Made from two layers of polyvinyl chloride foam that encase a layer of conductive fleece to form an expanded static dissipative work surface.



Size	Part Number
24" x 60'	VME2460B
30" x 60'	VME3060B
36" x 60'	VME3660B
24" x 48"	VME2448B
24" x 72"	VME2472B
36" x 48"	VME3648B
36" x 72"	VME3672B

*Replace "B" for Blue with "GY" for Gray

Specification:

- Three Layer with Foam Backing
- Resistance: 10^7 - 10^8 ohms
- 0.375" Thick

FLOOR MATTING

FM2 VinylSTAT™ Anti-Fatigue Mats

Made from expanded foam vinyl that reduces worker fatigue by providing a comfortable surface to stand on. They are available in single work area mats or runners for long assembly lines.

Size	Part Number
2'x60'	FM224720GY
3'x60'	FM236720GY
4'x60'	FM248720GY
24"x36"	FM22436GY
36"x60"	FM23660GY

*Replace "GY" for Gray with "BN" for Brown

Specifications:

- Emboss: Tennis
- Thickness: 0.375"
- Resistance: $10^9 - 9 \times 10^{10}$ ohms
- Spongy Foam



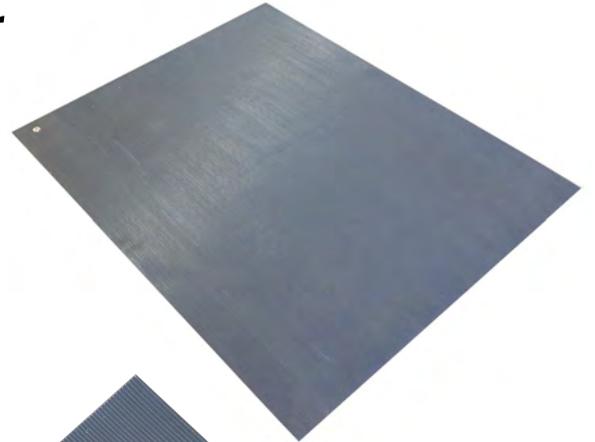
FM3 VinylSTAT™ V-Groove Floor Runner

Corrugated floor runner mats can reduce slips and falls by increasing traction, even when exposed to moisture and chemicals. Made from a homogenous polymer mix of durable PVC and designed to provide a static safe work area for a wide variety of applications where ESD properties are required

Size	Part Number
3'x60'	FM336720GY
4'x60'	FM348720GY
36"x72"	FM33672GY
48"x72"	FM34872GY

Specification:

- Emboss: V-Groove
- Thickness: 0.125"
- Resistance: $10^9 - 9 \times 10^{10}$ ohms



FM4 VinylSTAT™ Chair/Floor Runner

Made from expanded foam vinyl that reduces worker fatigue by providing a comfortable surface to stand on. Available in single work area mats or runners for long assembly lines.

Size	Part Number
3'x50'	FM43650GY
4'x50'	FM44850GY
48"x60"	FM44860
48"x72"	FM44872
48"x84"	FM44884

Specification:

- Emboss: Pebble
- Thickness: 0.194"
- Resistance: $10^7 - 9 \times 10^9$ ohms



FM5 ComfortDOME™ Anti-Fatigue Mats

Evenly spaced domes on the conductive surface provides superior anti-fatigue relief because they get softer when compressed, not harder like products made with foam. The domes recover/rebound more rapidly than most foam resulting in an energizing responsiveness not found in other mats. Available in single work area mats or in interlocking sections for long assembly lines.

Size	Part Number
2'x3'	FM2X3
3'x4'	FM3X4
3'x4'	FM53X4EP
3'x4'	FM53X4IC

*Available in "EP" End Piece or "IC" Interconnecting

Specification:

- Emboss Pattern: Bubble Dome
- Thickness: 0.50"
- Resistance: 10^3 - 10^5 ohms
- Energizing Responsiveness



FM6 ComfortGEL™ Anti-Fatigue Mats

The extremely comfortable mat is developed to prevent worker fatigue where static control is an issue. Constructed from a 0.625" thick close cell rubberized gel foam that can be cleaned for controlled environments.

Size	Part Number
20"x36"	FM62036BK
24"x36"	FM62436BK
60"x36"	FM66036BK

Specification:

- Emboss Pattern: Pebble
- Thickness: 0.625"
- Resistance: 5.68×10^7
- Very Soft



FM7 VinyI STAT™ ESD Chair Mats & Runners

The perfect floor covering for rolling chairs when static protection is a priority. The ESD Chair Mats are made of solid conductive vinyl that protects carpets and floors from wear-and-tear. Available in rolls, workstation mats, and office-style desk mats.

Size	Part Number
36"x50'	FM73X50
48"x50'	FM74X50
24"x48"	FM72448
36"x48"	FM73648
48"x48"	FM74848
48"x60"	FM74860
48"x72"	FM74872

Specification:

- Emboss: Light Pebble
- Thickness: 0.093"
- Resistance: 10^3 - 10^5
- Durable, Ridged Vinyl



FM8 TileSTAT™ Anti-Fatigue Floor Tiles

Durable 3' x 3' interlocking mats fit together like a puzzle to create custom ESD workstations or complete room systems. Made with 3/4" thick conductive rubber which creates an anti-fatigue surface. The mats can be quickly dismantled to make moving and cleaning easy. Optional beveled borders can be added to the mats.

Size	Part Number
3'x3'	FM83X3
Female Ramp	FM8RF
Male Ramp	FM8RM

Specification:

- Emboss: Light Pebble
- Size: 3' x 3' x 3/4"
- Resistance: 10^4 to 10^6
- Shock Absorbing Tile



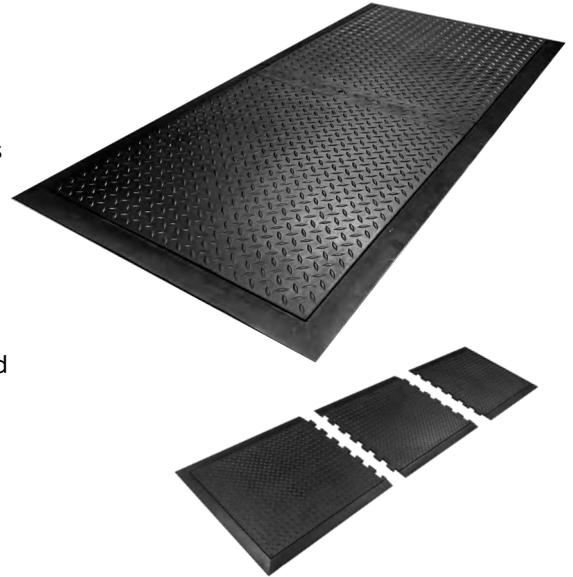
FM9 ComfortTREAD™ Anti-Fatigue Mats

Embossed with raised diamond-plate treads for superior traction and feature wide beveled borders to promote safety. A fully molded honeycombed cell design absorbs shock and cushions the feet. Available in interlocking sections which can be quickly dismantled to make moving and cleaning easy.

Size	Part Number
28"x30"	FM9C
28"x30"	FM9E

Specification:

- Emboss Pattern: Diamond
- Thickness: 0.50"
- Resistance: 10^3 - 10^5 ohms
- Shock Absorbing



FM10 GrooveSTAT™ Conductive Floor Runners

A ribbed emboss pattern provides a non-slip surface that provides excellent traction and allows the mat to be easily cleaned. The matting is available in 4'x32' rolls and an assortment of lengths.

Size	Part Number
2'x4'	FM102448
3'x4'	FM103648
3'x32'	FM103X32
4'x6'	FM104872
4'x32'	FM104X32

Specification:

- Emboss: V-groove
- Thickness: 0.125"
- Resistance: 10^3 - 10^5
- Non-Slip V-Groove Surface



GROUND HARDWARE

CS0122-Stud



CS0122-Socket



CS0123



CS0126-Stud



CS0126-Socket



CS0125



CS0127

CS0128-Socket



CS0128



CS1010



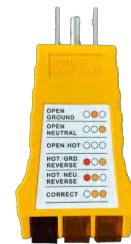
CS1020



CS1090



AD22



OCT300

Part Number	Description
CP2522	Low Profile Cpt, 15', 1 Meg, Male
CP2524	Low Profile Cpt, 15', 1 Meg, Female
CP2522NR	Low Profile Cpt, 15', No Resistor, Male
FM1515	Floor Mat Ground, 15', 1 Meg, Male
FM1517	Floor Mat Ground, 15', 1 Meg, Female
GK1000	Table Mat Ground Kit
GK2000	Floor Mat Ground Kit
CP1518	Common Pt Ground, 15', 1 Meg, Male
CP1518-BD	Common Pt Ground, 15', 1 Meg, Female
CP4070	Metal Bench Mount Ground, 4mm, 15', Male
CP4822	Low Profile Quad Cpt, 4mm, 15', Male
FM2525NR	Mat Interconnect Cord, 10', No Resistor
AD22	Outlet Ground Adapter
CS0122-Socket	Snap, 10mm Socket and Rivets
CS0122-Stud	Snap, 10mm Stud and Rivets
CS0123	Screw Snap Set, 10mm Stud
CS0125	Ring Terminal Banana Jack
CS0126-Socket	Stacking Banana Jack Snap, 10mm Socket
CS0126-Stud	Stacking Banana Jack Snap, 10mm Stud
CS0126-Stud/Socket	Stacking Banana Jack Snap, Stud & Socket
CS0127	Molded Banana Jack Snap, Stud & Socket
CS0128	Stud, Connect 10mm Stud to Stud
CS0128-Socket	Socket, Connect 10mm Socket to Socket
CS1010	Clinch Snap, 10mm, Female
CS1020	Clinch Snap, 10mm, Male
CS1090	Universal Snap Kit
OCT300	Outlet Circuit Tester

GROUND CORDS

Table Mat Ground Kit



GK1000

Floor Mat Ground Kit



GK2000

Common Point Ground



CP1518
CP1518-BD (Bull Dog Clip)

Bench Mount Ground



CP4070

Common Point Ground



CP2522 (Male)
CP2522NR (Male, No resistor)
CP2524 (Female)

Floor Mat Ground



FM1515 (Male)
FM1517 (Female)

Quad Common Point Ground



CP4822

Interconnect Cord



FM2525NR



Test Equipment

- *Continuous Monitors*
- *Resistance Meters*
- *Combination Testers*
- *Charge Plates*
- *Field Meters*
- *Accessories*

Regular ESD testing procedures is required for a proper ESD program. Good ESD test equipment can mean the difference between a successful ESD program and a massive failure, with all the associated expenses. Whether you're maintaining a work area for electronics manufacturing, keeping safe around hazardous flammable materials, or protecting valuable client data, the cost of a bad ESD failure can and likely will exceed the expense of proper test equipment many times over—even if you only look at what's immediately lost, ignoring the cascade of disruptions and losses which arise from such a failure.

CONTINUOUS MONITORS

Single Wire Continuous Monitors

SPARTAN

CONTINUOUS MONITORS

Spartan Series Single Wire Continuous Ground Monitors

The Spartan Series Continuous Monitors provide ongoing verification of the wrist strap system and the work surface ground.

The Spartan system eliminates the need for routine wrist strap testing and documentation and alarms when failures occur, greatly reducing the risk of ESD damage between tests. Both audible and visual alarms indicate a failure with the wrist strap system or work surface ground. Enclosed in a durable metal case with built in mounting brackets, the monitors can be installed underneath table tops to save work space.

Features:

- Audible and visual alarms signal a problem
- Durable anodized aluminum case
- Compatible with single wire wrist straps



CM300

Monitors

- One Operator



CM310

Monitors

- One Operator
- One Work Surface



CM320

Monitors

- Two Operators
- One Work Surface

CM400 Series Single Wire Continuous Ground Monitors

Using specialized capacitive sensing technology, the CM400 Series single wire ground monitors continuously monitor the single wire wrist straps and bench. Instant, audible alarm, and LED lights indicate a ground failure. Compatible with most single wire wrist bands. No calibration required!

OhmMETRICS

Test & Measurement Equipment

Features:

- The most simple & cost effective monitors available
- Audible and visual alarms
- Compatible with single wire wrist straps
- Bracket included for mounting



CM400

Monitors

- One Operator



CM410

Monitors

- One Operator
- One Work Surface



CM420

Monitors

- Two Operators
- One Work Surface

Dual Wire Continuous Monitors



The Resistance Ranger Series is the most reliable workstation monitoring system available. The extremely sensitive monitors accurately measure the electrical resistance of an ESD wrist band and work surface and signals if the devices fail. Audible and visible alarms are triggered if the operator's resistance exceeds 35 meg ohm or if the work surface exceeds 100 meg ohm. The Ranger Series saves time by eliminating time consuming testing and logging of wrist straps and coil cords. Design for ultra-sensitive applications.

Features:

- Dual Wire Resistance Technology
- Fixed Alarm Limits
- ESD Safe Case
- Audible and Visual Alarms



CM1600

Monitors

- Two Operators
- Two Work Surfaces
- Two Aux Grounds



CM1601

Monitors

- One Operator



CM1602

Monitors

- One Operator
- One Work Surface

RangerBOSS Continuous Monitors

Transforming Technologies' RangerBOSS continuous monitor is the premiere workstation grounding system available. A continuous ultra-low voltage signal measures the electrical resistance of two wrist bands, two work surfaces, two grounded tools and operator voltage simultaneously and alarms if there is a problem.

Performance to your specifications

The CM2800's alarm settings can be reconfigured quickly and easily with the PC software CM2800-SEE. Operator Resistance, Operator Voltage, Work-surface Resistance, Operator Presence Check (OPC) and Resistance of Equipment alarms can be enabled/disabled and limits selectable to user specifications.

Real Time Central Monitoring

The CM2800 is network ready and can easily be connected to other workstation monitors and a computer using the high speed network router, CM2800-H. The host computer is transformed into a command center with the software CM2800-BOSS SEE, a central monitoring program that shows real time grounding results and allows for adjustment of alarm parameters of up to 4096 workstations. An entire assembly line's ESD protection can be remotely monitored and adjusted with one computer.



CM2815

Features:

- Monitors: Two Operators, Two Work Surfaces
- Output Signal for Alarm
- Fixed Alarm Limits
- Network-Ready



CM2800

Features:

- Monitors Two Operators, Two Work Surfaces, Two Tool Grounds, Operator Voltage
- Output Signal for Alarm
- Programmable Alarm Limits
- Data Acquisition Software
- Network-Ready

CHARGED PLATE MONITOR

The CPM74 is battery powered and due to its compact design, it is very suitable for the mobile use in industrial areas. It can also be operated with an AC power supply. The CPM74 is menu-driven and is controlled by with only 2 buttons for simple operation. All selected parameters will be shown in the two-row LCD-display for a better orientation for the operator. The test results can also be saved into internal memory.

Features:

- Measure air ionizers performance
- Quickly and easily test ionizer decay times and offset voltage
- Easy 2 button operation
- Compact and portable
- 6 hour operating time (battery powered)



7100.CPM74



7100.CPM35

The CPM35 is a handheld measuring device for a fully automatic checking of ionizers at ESD workstations or in machines. It can be used for the verification measurements of the decay time from ± 250 V to ± 100 V of installed ionizers. The CPM35 can also check the offset voltage. Included is the CPM35 unit, 9V lithium battery, grounding cord and carrying bag. A rubber case including a foldable stand is also available (7100.CPM35.H)

STATIC FIELD METERS

EFM250

The EFM250 is used to perform static surveys and evaluate static charge accumulation in electronic manufacturing and in industrial operations such as converting, printing, packaging, and plastics processing. Its compact design and four button operation makes it easy to operate. The EFM250 can measure electrostatic fields up to 20 kV. Simply hold the instrument so the LED guide beams form a non-pulsing circle indicating you are at exactly the right distance from the target.



Features:

- Hold button captures transient readings
- Ergonomic Design
- Large LCD Results display
- Measurement Range: $\pm 0 \sim 20.0$ kV

7100.EFM51

A convenient hand-held device to locate and measure electrostatic fields on surfaces. Its compact design and four button operation makes it easy to operate. Two LED guide ring lights help position the field meter at the right distance from a charged test object. With accessories, you can also verify ionizers and perform the Walking Test.

Features:

- LCD Display
- Battery Operated
- Measurement Range:
 - 0 - 160 kV (Distance Mode)
 - 0 - 800 kV (Field Strength Mode)
- Measure Ionizer Decay and Balance (with EFM51 CPS.)
- Perform Walking Test (with EFM51.WT)



7100.EFM51.CPS

Charge Plate System for testing of an ionizers balance and decay with the EFM51.



Part Number	Description
7100.EFM51	Electrostatic Field Meter
7100.EFM51.CPS	Electrostatic Field Meter With Charge Plate Set
7100.EFM51.CPS.SET	Charge Plate Set For The EFM51
7100.EFM51.PLUS	Electrostatic Field Meter with Conductive Black Case
7100.EFM51.VK	Electrostatic Field Meter Verification Kit

SURFACE RESISTANCE METERS

Portable Resistance Meter



SRM310

The SRM310 is portable and uses parallel electrodes to verify incoming materials such as floor mats, table mats, bins and shelving in static controlled areas.

Features:

- Portable Pocket-Sized Meter
- Quickly Measure Surface Resistance
- Test Range 10^3 - 10^{12} ohms

Travel Resistance Test Kit



SRM330

The ultimate travel kit for testing resistance. The battery powered SRM330 is equipped with built-in parallel probes for quick surface measurements and includes two lightweight "travel" probes that eliminate the cumbersome weight of standard kits.

Features:

- Lightweight Kit Make Travel Easy
- Probes: Two Travel Pressure Probes
- Carrying Case

Digital Surface Resistance Kit



SRM500K

Accurately and quickly measures resistance between two points (RTT) and surface-to-ground resistance (RTG). Suitable for factory audits and test lab evaluations, the Ohm Metrics SRM500K also measures ambient temperature and humidity.

Features:

- Measures Temperature and Humidity
- Probes: Two 5 Pound Probes
- Carrying Case
- Test voltage: 10V/100V
- Accuracy: $\pm 10\%$

Specifications:

- 10v and 100v Voltage Selection
- Automatic Zeroing and Power Shut Off
- Two 5lb Disk Probes
- Built-in Probes on Back of Meter for Quick Tests

Portable Resistance Meter with Data Storage



7100.SRM110

This SRM 110 from uses parallel electrodes to accurately measure RTT, RTG, or resistivity for periodic verification, factory audits or test lab evaluation of product. This meter is designed to be compact and easy to carry. The LED readout is simple and easy to understand. This meter is best for general measurements.

Features:

- Simple one button operation
- Easy to read LED light indicator
- 2 external probe connection possible



7100.SRM200.K

A portable meter that records test data into memory that can be accessed through a USB connection to a computer. Two external probes can be connected. Measures temperature and humidity as well.

Features:

- Small, Portable Size
- Read Test Values via USB connection
- Measures Temperature and Humidity
- Power: Replaceable 9V Battery
- Carrying Case
- Optional 5lb Weight Kit Available - SR0065

Part Number	Description
7100.SRM200.K	SRM200 Digital Surface Resistance Meter
7100.SRM200.SK51	SRM200/EFM51 ESD Testing Starter Kit
7100.SRM200.VK	SRM200 Digital Surface Resistance Meters With Probes & Case

VT1000 Handheld Electrostatic Voltmeter

The tester is designed with a long probe, which provides flexibility and makes it suitable for the applications inaccessible for typical large and heavy handheld electrostatic testers. By changing different probes, single-point and different surface area measurements can be performed to achieve higher voltage resolution. A hand-held probe is included in its standard configuration, which can be used to test human walking voltage.

Features:

- LCD Screen displays information, hold function stores the max & min measurement values
- Two Probes: long, single point probe and handheld probe
- Test Range: 0~ +/- 2kV



METRISO® 3000 High Resistance Test Kit

The METRISO® 3000 is a digital high resistance tester capable of measuring point-to-point resistance and resistance-to-ground measurements with a large test range of 1 kOhm to 1,2 TOhm . The meter includes an integrated data logger with a USB communication port for data transmission, temperature and relative humidity sensor, PC software for Windows, two disk probes, a hand-held probe with connecting cable, and a

Features:

- Measures Large Test Range
- Measures Temperature and Humidity
- Records Test Values & Creates Reports via USB PC Connection
- Conductive Carrying Case

Specifications:

- Test Range: 1 Ohm -10T Ohm
- Test Voltage / Test Current: $1 \text{ mA} \leq I \leq 1,3 \text{ mA}$
- Operation: Rechargeable Batteries
- Probes: Two 5lbs with Conductive Rubber One Hand-Held Probe
- Complies with ANSI/ESD S20.20



7100.3000.MK



METRISO®B530 Surface Resistance Test Kit

A test kit for suitable for testing surface resistance ESD compliance testing. The Metriso® B530 test kit includes a digital high resistance test meter, two disc probes, an extension handle for floor measurements, a hand-held probe with connecting cable, and a conductive carrying case fitted with dissipative pink foam.

Features:

- Suitable for ESD Compliance Testing
- Two 5 Pound Disk Probes,
- One Flooring Extension Probe Handle
- Handheld Probe
- Carrying Case

Specifications:

- Test Voltage / Test Current: $1 \text{ mA} \leq I \leq 1,3 \text{ mA}$
- High Ohmic range: DC 10V, 100V, & 500V
- Test Range: 1-10kOhm, 1kOhm - 199kOhm
- Operation: Battery Operated
- Complies with ANSI/ESD S20.20



7100.B530.MK



THE WALKING TEST

What is the Walking Test? When the primary method of grounding is footwear and an ESD floor, it is required to test the effectiveness of this system with the Walking Test according to ANSI/ESD S20.20.

For this flooring and footwear qualification test, you must measure the maximum voltages during the test and record them to a chart recorder or plotter. The voltage test consists of a walking pattern that was designed to simulate the actions of a person walking through the plant. The walking pattern is shown in Figure 1.

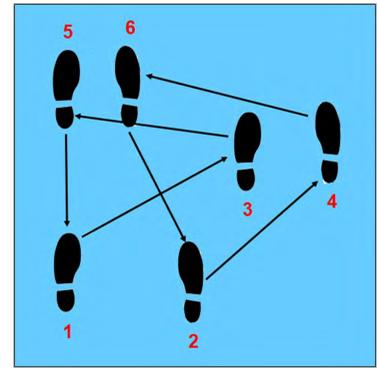
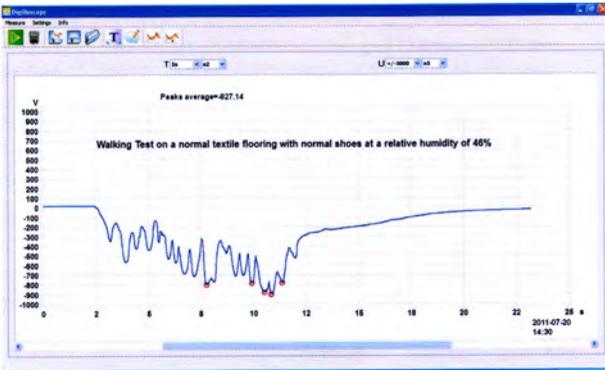


Figure 1. Walking Test Pattern

WT5000 Walking Test Graphing Kit

A complete system to measure the body voltage generated while walking, the result of which is graphed via a PC and shown with LED on the instrument. The graphing software can mark the five highest peaks automatically and calculates the average value which creates the graph needed to qualify an ESD flooring system.



Features:

- Perform the Walking Test per ANSI ESD S20.20
- Graphs Data via USB Connection to PC
- Handheld Electrode
- Carrying Case

Specification:

- Test range: $\pm 5,000$ volts or ± 500 volts
- Accuracy: $\pm 5\%$ of measured value
- Input resistance: $> 10^{14}$ ohms
- Input capacitance: < 5 pFarad
- Output: Analog ± 5 volts for each test range
- Operation: Rechargeable batteries

EFM51.WT Portable Walking Test Kit

A hand-held meter used to verify the performance of ESD floors in combination with a person. The meter captures the peak voltages while performing the walking test. The EFM51 meter also measures and detects electrostatic fields, surface potentials and discharge times (with optional charge plate accessory EFM51.CPS).



Features:

- Perform the Walking Test with Portable Field Meter
- Handheld Electrode
- Performs All Functions of a Static Field Meter
- Test Ionizer Performance with a Charge Plate Accessory
- Conductive Carrying Case

ESD AUDIT KIT



7110.600.SET

The ESD Audit Kit includes the relevant test instruments and equipment needed to perform ESD audits according to ANSI ESD20.20 and IEC 61340-5-1 and for qualification and verification of ESD control elements. Choose between the MetrISO B530 standard resistance meter or the MetrISO 3000 high resistance meter.

Applications:

- Evaluate packaging materials
- Evaluate garments
- Measure flooring, work surfaces and furniture resistance
- Measure electrostatic fields
- Measure temperature and relative humidity
- Analyze ionizers performance

7110.B530.SET



ACCESSORIES

5lb Disc Probes

Pair with a Surface Resistance Meter to RTG, RTT, and other resistance measurements.



SR0065



SR0055

Concentric Ring Probe Kit

Used with Surface Resistance Meters to test items for compliance verification.



7220.880.SET

Two Sided Probe

One side is a concentric ring, the other is a 5lb disc probe.



7220.890.WE.SET

Backrest Probe

Designed to evaluate ESD chair back rests. Fitted with conductive contact points and a 4mm banana socket.



7200.90

Handheld Probe

Test body voltage measurements and overall system resistance.



7220.45

Temp and Humidity Sensor

Take temperature and humidity readings while performing resistance measurements.



7100.TF530

Clamp Probe

Designed to evaluate ESD garments. A wide stainless steel surface ensure excellent contact during testing.



7200.CL.49

Handheld Probe

Glove probe is designed to evaluate ESD gloves according to ANSI ESD20.20. The rugged clamp is fitted with conductive contact points for resistance meter cable. The connection point is a 4mm banana plug socket.



7220.15

GROUNDING TEST STATIONS

GTS600K



The GST600K tester is a space saving, versatile combo grounding tester that allows for accurate and cost effective testing of ESD ground devices. The dual test circuits in the GTS600 gives the option for both wrist strap and footwear testing and a positive rocker switch makes test mode selection easy. This tester supports the “Compliance Verification Plan” requirements as stated in the ANSI ESD S20.20.

Audible and visible alarms are triggered if the wrist straps resistance exceeds 35 megohm and footwear exceed 100meg-ohm. Low resistance of 750K for both wrist strap and footwear can also trigger an alarm event. This ensures that your ESD grounding devices are working properly and meeting industry requirements. Please note: Footwear must be tested one foot at a time for maximum accuracy.

Features:

- Positive Rocker Mode Selection Switch
- Wrist Strap Test Limits: 750K~10Meg Ohm (Default)
- Footwear Circuit : 750K~100Meg Ohm (Default)

GTS900K

The GTS900K combo tester is a three-state touch tester designed for fast and accurate testing of ESD ground devices. The GTS900K incorporates a unique split test circuit design and molded foot plate which allows for simultaneous and independent testing of footwear. This tester supports the “Compliance Verification Plan” requirements as stated in the ANSI ESD S20.20.

Audible and visible alarms are triggered if the wrist straps resistance exceeds 35 megohm and footwear exceed 100meg-ohm(factory default). Low resistance of 750K for both wrist strap and footwear can also trigger an alarm event. This ensures that your ESD grounding devices are working properly and meeting industry requirements.

Features:

- 100% Independently Tests Both Feet
- 9 Volt Test
- Molded Foot Plate
- Wrist Strap Test Limits: 750K~12Meg Ohm (Default)



PDT800K



The OHM Metrics™ PDT800K is a comprehensive, accurate ESD Ground Device Tester that fully meets your daily ESD checking needs. The PDT800K independently tests the left and right foot and wrist band and gives a visual and audible PASS/FAIL indicator. An innovative LCD screen will instantly display the test result and the measured resistances so you can easily understand your testing program.

What makes the PDT 800K unique is the proactive “Near-Fail” Alert that indicates to the user that the ESD grounding device under test is Passing but nearing failure levels and should be changed soon if not right away.

Audible and visible alarms are triggered if the wrist straps resistance exceeds 35 megohm and heel grounders exceed 100megohm(factory default). Low resistance can also trigger an alarm event. The high and low limits of both wrist strap and footwear can be changed by the DIP Switch located at the bottom of the tester.

Features:

- Digital Readout
- 100% Independently Tests Both Feet
- Wrist Strap Test Limits: 1Meg~35Meg Ohm (Default)

PGT130DT Personnel Grounding Tester



The PGT130.DT personnel grounding tester takes quick and accurate resistance measurements of the ESD grounding products with the ability to store test data in SQL database on your network. Access to this information is valuable to your quality program. The unit operates with 3 independent measuring circuits for the left shoe, the right shoe and the wrist strap. The shoes can even be measured in a hands free mode which means that the staff members are tested automatically when standing on the plate. PGT130.DT can be connected to an automatic door opening system which allows entry with only passing results.

Data Collection

The PGT130.DT has a built in Data Terminal which collects ESD tests measurement data:

- Central data collecting and control server synchronizes measurement data and access control
- Open database interface for connecting customer systems
- User identification with any RFID HID input device
- Optional USB relay to trigger a turnstile

Measurements								
	Date	Time	Shoe left	Shoe right	Wrist strap	Result	Temp.	RH
1	2013-09-11	09:28	15.0 MΩ	3.3 MΩ	2.5 MΩ	OK	22.4	45.4
2	2013-09-11	09:28	47.0 MΩ	3.5 MΩ	2.5 MΩ	6	22.4	45.4
3	2013-09-11	09:28	14.2 MΩ	3.2 MΩ	2.6 MΩ	OK	22.4	45.4
4	2013-09-11	09:28	6.0 MΩ	3.2 MΩ	2.4 MΩ	OK	22.4	45.4
5	2013-09-11	09:28			2.4 MΩ	OK	22.4	45.4
6	2013-09-11	09:28	4.2 MΩ	69.6 MΩ		32	22.4	45.4
7	2013-09-11	09:27	4.3 MΩ	33.0 MΩ		OK	22.4	45.5
8	2013-09-11	09:27	4.6 MΩ	32.8 MΩ		OK	22.4	45.5
9	2013-09-11	09:27	27.5 MΩ	2.5 MΩ		OK	22.4	45.5
10	2013-09-11	09:27	29.6 MΩ	3.6 MΩ		OK	22.4	45.5
11	2013-09-11	09:27	27.8 MΩ	3.6 MΩ		OK	22.4	45.5
12	2013-09-11	09:27	18.4 MΩ	3.4 MΩ		OK	22.4	45.5
13	2013-09-11	09:27	9.7 MΩ	3.7 MΩ		OK	22.4	45.5
14	2013-09-11	09:26	34.3 MΩ	3.6 MΩ		OK	22.3	45.5
15	2013-09-11	09:26	8.7 MΩ	3.7 MΩ		OK	22.3	45.5
16	2013-09-11	09:26	5.1 MΩ	4.1 MΩ		OK	22.3	45.5
17	2013-09-11	09:26	4.2 MΩ	5.8 MΩ		OK	22.3	45.5
18	2013-09-11	09:26	5.5 MΩ	4.5 MΩ		OK	22.3	45.5
19	2013-09-11	09:25	4.3 MΩ	5.7 MΩ		OK	22.2	45.4
20	2013-09-11	09:25	5.3 MΩ	4.4 MΩ		OK	22.2	45.4

Data Management

The PGT130.DT includes an additional RS232 interface to process measurement data and test results in a data base. A computer or a terminal can be connected to the serial RS232 interface. The following data is available in ASCII format:

- Value Footwear in Series: Value in kOhm
- Value Wrist Strap System: Value in kOhm
- Value of Left Foot: Value in kOhm
- Value of Right Foot: Value in kOhm
- Test OK: OK
- Test Failed: Error no.

Pair the unit with the PGT130.DT Data Terminal and you receive real-time ESD testing with personnel identification, access control and central data maintenance. Also connect to a number of accessories such as a label printer, bar code scanner, RFID, database server and much more.

- Ready to integrate into existing infrastructure
- Multiple PGT130.DT stations can be networked
- Existing identity cards or time attendance cards can be reused
- Open database interface
- Measurement data is ready to process after a few seconds
- Various databases can be used
- Combine with existing access systems is possible
- Secure network communication



Part Numbers	Description
PGT130K110	PGT130.DT ESD Tester, Footplate with Cables, Temp/RH sensor and Wall Mount
PGT130K120	PGT130.DT ESD Tester, Footplate with Cables, Temp/RH sensor and Pedestal Stand
PGT130K130	PGT130.DT ESD Tester, Footplate with Cables, Temp/RH sensor and Standard Turnstile
PGT130K140	PGT130.DT ESD Tester, Footplate with Cables, Temp/RH sensor and FastPass Turnstile
<i>Software</i>	
7100.PGT120.COM.SOFT	Software for Data Collect—One copy required for up to 32 testers
<i>Accessories</i>	
7100.PGT130DT.CU	Calibration Unit
7100.PGT130DT.TF	Temperature and humidity sensor
7100.PGT120.SM	Mat for footwear electrode
7100.PGT120.TEST.13	USB HID Visual Signal Light
7100.PGT120.COM.D.2	Smart Label Printer SLP 650

PGT120.COM.US

Data Management with RS232 Interface



The PGT120.COM includes an additional RS232 interface to process measurement data and test results in a data base. A computer or a terminal can be connected to the serial RS232 interface. The following data is available in ASCII format:

- Value Footwear in Series: Value in kOhm
- Value Wrist Strap System: Value in kOhm
- Value of Left Foot: Value in kOhm
- Value of Right Foot: Value in kOhm
- Test OK: OK
- Test Failed: Error no.

Add Software At Anytime To Start Data Logging!



7100.PGT120.COM.US



PGT120.US - Non Data Logging Tester

If data logging is not required in your ESD program and you want a quick and accurate wrist strap and footwear tester than, the 7100.PGT120.US is the best fit for you. The unit indicates results with audible and visual signals. A relay with a dry contact provides the connection to a barrier system, such as a door. In combination with a barrier gate, the footwear measurement can be performed in series without pressing a button (hands-free mode).

Features:

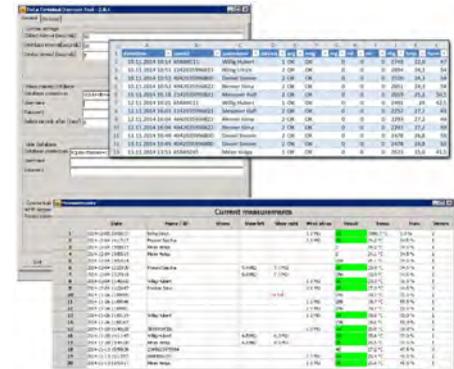
- Independently Test Both Feet & Wrist Strap
- Adjustable Limits and Functions with DIP Switches
- Wrist Strap Range: 1Meg~35Meg Ohm (Default)
- Footwear Range: 1Meg~100Meg Ohm (Default)
- Dry Contact Connection to Barrier System



7100.PGT120.US

Software Data

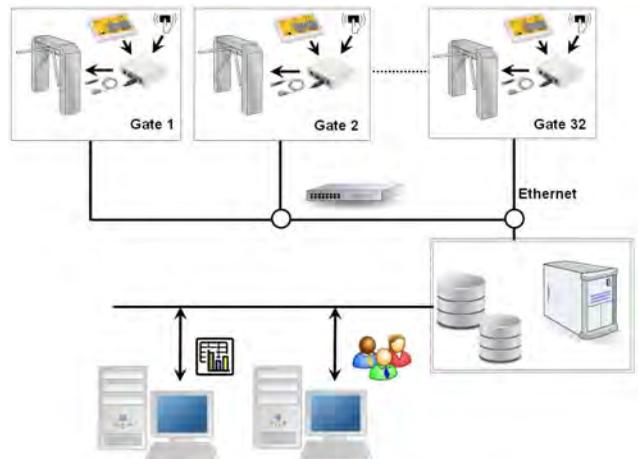
All operator activity is logged into a central database to meet the ANSI/ESD S20.20 requirements for ongoing quality control purposes. Each log entry includes operator identification, test results, resistance measurements, time, temperature and humidity. User identification is done through USB input devices (RFID, Barcode, Magnetic Card, Keypad) and is ready to integrate into existing infrastructure. A central data collecting and control server synchronizes measurement data and employee information and allows networking of up to 32 turnstiles/access points. Test data is stored locally on the device for one month, and can be retrieved by a web browser from any computer connected to the network.



Data Terminal Integration

Pair the unit with the PGT120.COM Data Terminal and you receive real-time ESD testing with personnel identification, access control and central data maintenance. Also connect to a number of accessories such as a label printer, bar code scanner, RFID, data-base server and much more.

- Ready to integrate into existing infrastructure
- Multiple PGT120.COM stations can be networked
- Existing identity cards or time attendance cards can be reused
- Open database interface
- Measurement data is ready to process after a few seconds
- Various databases can be used
- Combination with existing access systems is possible
- Secure network communication



Build A Custom System

Choose Your Data Terminal



Data Terminal 2

The PGT120 Data Terminal 2 is the base system that is ready to integrate into existing HID infrastructure. Systems can be connected via USB and an open database interface is used.



Data Terminal 3

The PGT120 Data Terminal 3 is equipped with a built-in RFID reader for employee identification. Also includes a display, a relay to open doors/barriers and 4 USB ports.



Data Terminal TC18

The PGT120 Data Terminal TC18 is a 10" touch screen Min-iPC that can display test results as well as store data. Includes 4 USB ports, LAN-Port RJ45 and RS232 ports. The housing is durable aluminum with front panel mounting.

Choose How To Mount The PGT120.COM



Pedestal Stand

Place your PGT120 on a pedestal stand for a clean look in your test area! The pedestal stand is perfect for areas that a wall mount won't work.



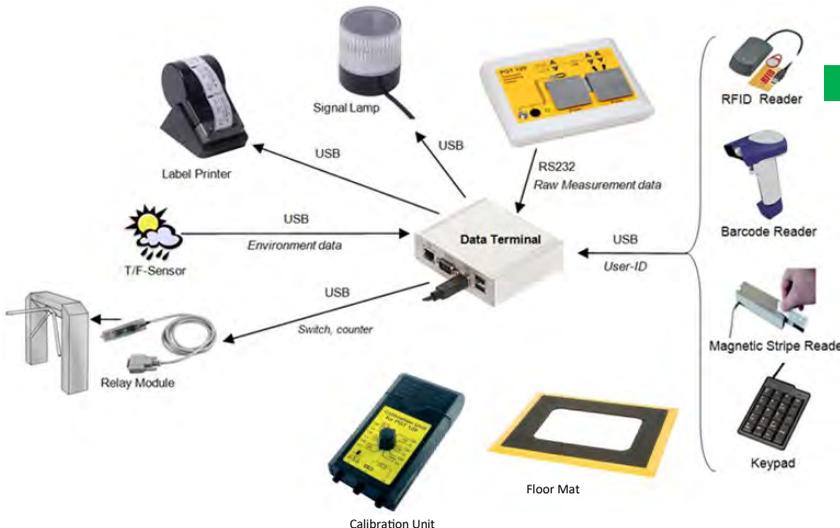
Wall Mount

Mount your PGT120 securely to wall using the wall mount option. This allows you to keep the unit off the floor and open up more space.



Housing Unit

Seamlessly integrate the TC18 Data Terminal and PG120.COM into the AccessPRO Turnstile. The housing allows the TC18 touch screen computer to be easily accessible when testing— notifying users of pass/fail results.



PGT120 ACCESSORIES

Part Number	Description
7100.PGT120.COM.D2	Label Printer for the PGT120.COM
7100.PGT120.COM.TEST10	Temperature and humidity sensor
7100.PGT120.COM.TEST11	Keypad for PGT120
7100.PGT120.COM.TEST12	Relay Module
7100.PGT120.COM.TEST13	Visual Signal Lamp
7100.PGT120.COM.TEST15	Bar Code Scanner
7100.PGT120.COM.TEST16	USB Hub
7100.PGT120.CU.12	Calibration Unit
7100.PGT120.WK	Wall mount
7100.PGT120.SM	Mat for footwear electrode
7100.PGT120.XK.V3	RFID Card Reader
7100.PGT120.CU.12	Calibration Unit for PGT120.COM
7100.PGT120.SM	Mat for footwear electrode

100 Series: PGT120—Non Data Logging Kits

The 100 series PGT120 kits feature a non data logging PGT120 accompanied with your desired mounting method. To save valuable space, the PGT120 can be mounted the wall using a steel mounting plate (7100.PGT120.WK). Our free standing pedestal stand provides the ability to move the tester around and house accessories such as the data terminal or card readers. The PGT120 can be integrated into barrier systems such as a door, gate or turnstile using a relay module. The tester includes a NO/NC switch.



Part Numbers	Description
PGT120K110	PGT120.US ESD Tester, Footplate with Cables and Wall Mount
PGT120K120	PGT120.US ESD Tester, Footplate with Cables and Pedestal Stand
PGT120K130	PGT120.US ESD Tester, Footplate with Cables and Standard Turnstile
PGT120K140	PGT120.US ESD Tester, Footplate with Cables and FastPass Turnstile

200 Series: PGT120.COM—Data Terminal 2 Kits

The 200 series PGT120 kits feature the data logging PGT120 which takes quick and accurate resistance measurements of ESD grounding products with the ability to integrate with a computer to store test data. Access to this information is valuable to your quality program. The unit operates with 3 independent measuring circuits for the left shoe, right shoe and the wrist strap. The shoes can also be measured in a hands free mode which allows staff members to be tested automatically when standing on the plate.

The PGT Data Terminal 2 is a modular system that allows the recording and processing of ESD test information from the PGT120.COM combo tester. A basic system consists of a PGT120.COM tester and the DT2. The test data is stored inside the data terminal 2 for one month and can be accessed via a web interface when connected to a network. Test data can also be stored in a SQL database with a computer on the network which can be accessed and manipulated with DataTERM software from Warmbier. The system also allows for user identification with any USB HID input device (RFID, barcode, magnetic card, keypad) and can integrate with existing HID systems. An optional USB relay can be used to trigger a barrier system such as a turnstile, or door.



Part Numbers	Description
PGT120K210	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal 2, Keypad, Temp/RH sensor, USB hub and Wall Mount
PGT120K220	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal 2, Keypad, Temp/RH Sensor, USB hub and Pedestal Stand
PGT120K230	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal 2, Keypad, Temp/RH Sensor, USB hub and Standard Turnstile
PGT120K240	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal 2, Keypad, Temp/RH Sensor, USB hub and FastPass Turnstile
<i>Software</i>	
7100.PGT120.COM.SOFT	Software for Data Collection—One copy required for up to 32 testers
<i>Additional HID Input</i>	
7100.PGT120.XK.V3	External Card Reader
7100.PGT120.TEST.15	Barcode Scanner
7100.PGT120.TEST.17	Magnetic Card Stripe Reader

300 Series: PGT120.COM—Data Terminal 3 Kits

The 300 series PGT120 kits feature the data logging PGT120 which takes quick and accurate resistance measurements of ESD grounding products with the ability to integrate with a computer to store test data. Access to this information is valuable to your quality program. The unit operates with 3 independent measuring circuits for the left shoe, right shoe and the wrist strap. The shoes can also be measured in a hands free mode which allows staff members to be tested automatically when standing on the plate.

The PGT Data Terminal 3 offers a way to record the measurement data from the PGT120.COM. It is equipped with a built-in RFID reader, display and a relay. This makes the unit ready to integrate into existing infrastructure and trigger any barrier systems such as a turnstile or a door. Existing RFID cards can be used with the data terminal 3. Test data is stored in a SQL database with a computer on your network. This test data can be accessed and manipulated with DataTERM software from Warmbier.



Part Numbers	Description
PGT120K310	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal 3, Keypad, Temp/RH sensor, USB hub and Wall Mount
PGT120K320	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal 3, Keypad, Temp/RH Sensor, USB hub and Pedestal Stand
PGT120K330	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal 3, Keypad, Temp/RH Sensor, USB hub and Standard Turnstile
PGT120K340	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal 3, Keypad, Temp/RH Sensor, USB hub and FastPass Turnstile
<i>Software</i>	
7100.PGT120.COM.SOFT	Software for Data Collection—One copy required for up to 32 testers
<i>Additional HID Input</i>	
7100.PGT120.XK.V3	External Card Reader
7100.PGT120.TEST.15	Barcode Scanner
7100.PGT120.TEST.17	Magnetic Card Stripe Reader

400 Series: PGT120.COM—Data Terminal TC18 Kits

The 400 series PGT120 kits feature the data logging PGT120 which takes quick and accurate resistance measurements of ESD grounding products with the ability to integrate with a computer to store test data. Access to this information is valuable to your quality program. The unit operates with 3 independent measuring circuits for the left shoe, right shoe and the wrist strap. The shoes can also be measured in a hands free mode which allows staff members to be tested automatically when standing on the plate.

The PGT Data Terminal TC18 is a touchscreen monitor that allows recording and processing of test data with the PGT120.COM. User identification can be made with many USB HID input devices (RFID, Barcode, Magnetic Card, Keypad). Test data can be stored for one month inside the device. The data can be retrieved via web browser from any computer when connected to a network. Test data is also stored in a SQL database with a computer on your network. This test data can be accessed and manipulated with DataTERM software from Warmbier.



Part Numbers	Description
PGT120K410	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal TC18, Keypad, Temp/RH sensor, USB hub and Wall Mount
PGT120K420	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal TC18, Keypad, Temp/RH Sensor, USB hub and Pedestal Stand
PGT120K430	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal TC18, Keypad, Temp/RH Sensor, USB hub and Standard Turnstile
PGT120K440	PGT120.COM ESD Tester, Footplate with Cables, Data Terminal TC18, Keypad, Temp/RH Sensor, USB hub and FastPass Turnstile
<i>Software</i>	
7100.PGT120.COM.SOFT	Software for Data Collection—One copy required for up to 32 testers
<i>Additional HID Input</i>	
7100.PGT120.XK.V3	External Card Reader
7100.PGT120.TEST.15	Barcode Scanner
7100.PGT120.TEST.17	Magnetic Card Stripe Reader



Cleanroom

- Coveralls
- Hoods
- Boots
- Wipers
- Frocks
- Shoe Covers

A controlled environment should be outfitted with cleanroom supplies and equipment specifically designed for these critical spaces. Using products that are not cleanroom compatible can contaminate the environment and potentially even damage equipment and/or products. Our clean room supplies, including but not limited to wipers, gloves, garments and matting are trusted by a wide range of businesses involved in scientific research, biotechnology, and pharmaceutical industries.

WIPERS

WPBEMM-3II



Bemcot M3 Anti-Static Wipers

Bemcot® antistatic wipers are for quick and easy wiping in cleanrooms and other environments that demand the lowest levels of lint, particles and static generation. The Bemcot® M3 Wipe is an entangled nonwoven fabric made with a 100% cotton cellulose composition. Because cotton is completely cellulosic, this is an extremely absorbent wipe. The soft, low-linting wipe is quarter-folded and is sized to fit the hand. The wipe is quarter-folded to promote proper wiping protocol.

Features:

- Excellent Ant-Static and Heat Resistance
- Extremely Absorbent: Absorbs 13 Times its Weight
- Made from 100% Cotton
- Non-Woven, Soft and Low Linting
- No Binders - Safe to Use with Solutions
- Apertured Surface Promotes Particle Removal
- Dimensions: 10x10 inch (24.9x24.9 cm)
- 100 Wipers Per Pack; 30 Packs Per Case

WP6200



WP6200 Anti-Static Wipers

The static dissipative polyester wiper is a perfect wiping choice for optics, LCD screens and other materials at risk from scratching. Contains no carbon filament which can abrade surfaces. Will not tribo-charge over 100 volts.

Features:

- ESD Wipes for all Electronic Manufacturing and Optical Cleaning Applications
- 100% Knitted Polyester
- No Carbon or Metal Fibers
- Less than 100 Volts Tribo-Charge
- Good Solvent Resistance, Lint Free
- Complies with ANSI/ESD S20.20 (per ANSI/ESD S11.11 & ANSI/ESD DS11.12)

WP7200



WP7200 ESD Polyester Wipers

Cleanroom safe ESD wipers are the perfect cleaning choice for materials at risk for damage from static. The WP7200 is made of 100% continuous polyester filament with conductive yarns designed to dissipate electrical charge and control ESD. Unlike similar wipers that are static dissipative on one side, the WP7200 wipers are static dissipative on both sides to ensure the highest levels of ESD protection. The edges are laser sealed to ensure ultra-low lint and particle generation. The wipers are suitable for Class 100-1000 cleanrooms. The WP7200 wiper is 9"x9" and packaged 150 wipers to a bag.

Features:

- ESD Wipers for General Cleaning Applications
- 100% Continuous Polyester Filament with Conductive Carbon Yarn
- Static Dissipative on Both Sides
- Good Solvent Resistance
- Lint and Particle Free
- Suitable for Class 100 -1000 Cleanrooms
- Washable



WP8200



WP8200 ESD Polyester Wipers

WP8200 ESD Wipers are constructed with 100% continuous filament, no-run knit polyester with laser sealed cut edges. These cleanroom-safe black wipers have been developed to clearly and visibly show small particulate contamination. Their properties make them useful for both the final wipe down and for the final inspection of any surface in a critical environment or anywhere particles compromise quality or performance.

Features:

- ESD Wipers for General Cleaning Applications
- 100% Continuous Polyester Filament with Conductive Carbon Yarn
- Suitable for Class 100-1000 Cleanrooms
- Good Solvent Resistance
- Inspection Wipe: Black color shows contamination to ensure cleanliness
- Packaged 150 wipers per bag, 9"x9"

ESD Curtain Roll



ESDC1003C

Features:

- PVC material is very flexible and easy to cut
- Conductive “honeycomb” grid
- Can be used as soft-walls
- 54”x98’x0.3mm

ESD curtains made of transparent PVC with a conductive grid throughout which makes the curtains ESD safe. The curtains have great draping ability so that they can be used as protective coverings for carts, instruments or entire walls. The material is flexible and easy to cut to desired specifications.

MT5500 Series IDP-STAT Cleanroom Table Mat



Features:

- 1MM Thickness
- Transparent
- TPU Alloy
- Available in 50 foot rolls or cut mat sizes

The IDP-STAT 5500 series utilizes a patented inherently static dissipative polymer alloy system to provide clean, permanent ESD protection. The IDP-STAT 5500 series provides consistent static dissipation that is not dependent on humidity and will last the life of the mat.

Microscope Cover



MC1221W

Features:

- Keep Microscope Optics Safe From Contamination
- Made from ESD Materials
- Won't Generate A Charge When Removed

A common problem in laboratories is caused when dust and dirt accumulate on a microscope pedestal lens. With our MC1221W ESD safe microscope cover you can protect your microscope optics from dust and other contamination while keeping your work station ESD safe.

Cleanroom Waste Basket



WBAS28-MET

Features:

- Cleanroom Waste Basket
- Stainless Steel
- 7 Gallon Capacity

The WBAS28-MET is a permanently conductive stainless steel open top waste basket that is clean room compatible. Comes with a retainer band to hold liners in place. The wastebasket has a capacity of 28 quarts.

Disposable Shoe Covers



SC1207C
SC1207C-XL

The ESD shoe covers are made from two (2) pieces of heavy-weight 1.25oz (40 gm) polypropylene and work well as a stand alone shoe cover or when worn inside laundered boot covers. The surged-seam inside shoe cover design features an elastic opening that fits most regular shoe styles. A non-skid coated soles provide better traction and improved safety.

Specifications:

- Material: 100% Virgin Polypropylene
- Weight 1.25oz (40 gm)
- Color: Blue
- Sole Type: Non-Skid coated
- Surface Resistance: <math><10^6\text{ Ohms}</math>
- Packaged 100 per bag
- Sizes: SC1207C Universal
SC1207C-XL Extra Large

Washable Shoe Covers



The SC50BS Series reusable ESD-safe shoe cover provides barrier protection from contamination and ESD Grounding.

- ESD shoe cover with 3 layer dissipative rubber soft sole
- Replaceable 10" conductive ribbon for contact with the body
- Adjustable heel snap
- Conductive ribbon connected to sole with Internal snap
- Dissipative sole & ESD canvas fender - 10⁷
- ESD Cleanroom fabric cut (99% polyester, 1% carbon fiber)
- Meets requirements of ANSI/ESD S20.20-2014 section ANSI/ESD STM2.1-2013 (Garments)

Part Number	Size
SC50BSWH01	XS
SC50BSWH02	S
SC50BSWH03	M
SC50BSWH04	L
SC50BSWH05	XL
SC50BSWH06	2XL
SC50BSWH07	3XL
SC50BSWH08	4XL
SC50BSWH09	5XL

Replace "WH" with "LB" for Light Blue

CLEANROOM FROCKS

TX4000 SERIES

The TX4000 Series ESD Cleanroom Frock consists of a grid fabric that is 99% polyester and 1% carbon. The frock features a military collar, zipper closure and raglan sleeves with ESD knit cuffs for body contact. Seams are sewn with conductive threads and grounding tape for reliable panel-to-panel electrical continuity. Meets standards required for ANSI/ESD S20.20 and is suitable for ISO 6 (Class 1,000).

- Raglan sleeves with ESD knit cuffs for body contact
- Military collar
- Zipper closure with snaps for easy gowning
- Seams sewn with conductive threads and grounding tape for reliable panel-to-panel electrical continuity
- Launderable
- SO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20

Part Number	Size
TX40FRWH01	XS
TX40FRWH02	S
TX40FRWH03	M
TX40FRWH04	L
TX40FRWH05	XL
TX40FRWH06	2XL
TX40FRWH07	3XL
TX40FRWH08	4XL
TX40FRWH09	5XL

Replace "WH" with "NB" for Navy Blue



TX4000 Series ESD Cleanroom Garment System

Transforming Technologies TX4000 ESD Cleanroom Garment System protects the environment from the number one source of contamination and static found in cleanrooms - people. Electrostatic charge is an invisible contaminant and has the potential to degrade or destroy both product and equipment, as well as attract unwanted particles. Controlling these charges with the TX4000 Garment System throughout the controlled environment is essential to a productive manufacturing process. Each component—hood, coverall, boots—are connected with a ground snap and a conductive sole on the boot eliminates static on the personnel through the ESD floor or mat in cleanrooms.

- Designed for mobile workers in cleanrooms and controlled environments when ESD protection is paramount
- Electrical continuity from hood-to-boot with dissipative fabric, conductive seams and snaps
- ISO 6, Cleanroom class 1,000
- Complies with IEST-RP-CC052.1 and ANSI/ESD S20.20



ESD-Safe Integrated Cleanroom Design

Groundable from head-to-boot, the TX4000 ESD Cleanroom Garment System is made with a reliable ISO 6 static dissipative fabric with each component—hood, coverall, boots—connected with conductive thread and ground snaps. Conductive boot soles eliminate static from personnel through the cleanroom ESD floor or mat. The garments system's superior workmanship and reliable panel-to-panel continuity makes it compliant with IEST-RP-CC052 and ANSI ESDS.2020 standards. The TX4000 Garment System maintains consistent continuity readings for up to 100 wash cycles.



Technical Data

ISO Cleanroom	ISO 6
ESD Standards	ANSI/ESD S20.20 IEST-RP-CC052.1
Product Circularity	Reusable
Surface Resistivity	Dissipative: 10^7
Cuffs	ESD Knit Cuff
Collar	Military Collar
Fabric	99% Polyester, 1% Carbon
Closure	Zipper with Snap
Colors	White, Navy Blue

Key Attributes

- Eliminates static on personnel and garment in cleanrooms and controlled environments with static dissipative or conductive floors. Operators maintain less than 35meg ohms resistance to ground when used in conjunction with a dissipative or conductive floor.
- Electrical continuity from hood-to-boot through dissipative fabric, conductive seams, ground snaps and grounding ribbon. Also functions when worn with disposable conductive shoe covers.
- TX4000 cleanroom grid fabric (ISO 6, Class 1,000) provides a consistent 10^7 surface resistance over 100 washes. The design is compatible with custom fabrics for ISO5 and ISO4 cleanrooms.
- The combination of the hood, coverall and boots create a level 3 ESD Garment, that is ideal for mobile operators, as static can be eliminated through the garment system without additional grounding methods when standing on a grounded floor.

ESD Hard Sole Boots



ESD Soft Sole Boots



Typical System Resistance: $<3.5 \times 10^7 \Omega$

Personnel body voltage less than 100 volts on flooring systems designed for ESD control



ESD Coverall

- TX4000 ESD Grid Fabric—99% Polyester / 1% Carbon
- Raglan sleeves with ESD knit cuffs for body contact
- Military collar
- Snaps at top of zipper and bottom of leg hem and zipper closure for easy gowning
- Grounding snaps for connection to component (hood, boots)
- Seams sewn with conductive threads and grounding tape for reliable panel-to-panel electrical continuity
- Sizes: XS—5XL
- Product Type: Reusable / Launderable
- Color: White / Navy / Light Blue*
- ISO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20 and STM9.1 - Footwear – Resistive Characterization



Part Number	Size
TX40CRWH01	XS
TX40CRWH02	S
TX40CRWH03	M
TX40CRWH04	L
TX40CRWH05	XL
TX40CRWH06	2XL
TX40CRWH07	3XL
TX40CRWH08	4XL
TX40CRWH09	5XL



Replace "WH" with "NB" for Navy Blue
Or "LB" for light blue*

ESD Hard Sole Boot

- TX4000 ESD Grid Fabric—99% Polyester / 1% Carbon
- PSTAT ESD hard sole with twill reinforcement
- Combination 1" elastic and webbing at top of closure with snap adjustment
- Replaceable 18" internal ground ribbon attachment included, with 24" long ground ribbon available for boots
- Internal snaps to electrically connect to coverall
- Color coded straps denote size
- Sizes: XS—2XL
- Product Type: Reusable / Launderable
- Color: White / Navy / Light Blue*
- ISO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20 and STM9.1—Footwear—Resistive Characterization

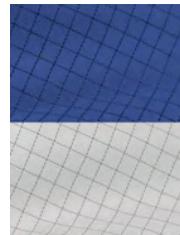


Typical System Resistance: $<3.5 \times 10^7 \Omega$

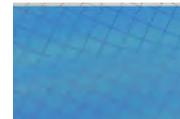


Part Number	Size
TX40BHW01	XS
TX40BHW02	S
TX40BHW03	M
TX40BHW04	L
TX40BHW05	XL
TX40BHW06	2XL

Replace "WH" with "NB" for Navy Blue
Or "LB" for light blue*



*



Light blue is a non-stock product



Typical System Resistance: $<3.5 \times 10^7 \Omega$

ESD Soft Sole Boot

- TX4000 ESD Grid Fabric—99% Polyester / 1% Carbon
- Three layer ESD rubber soft sole (non-marking rubber inside and outside)
- Hypalon Side Wall
- Combination 1" elastic and webbing at top of closure with snap adjustment
- Replaceable 18" internal ground ribbon attachment included, with 24" long ground ribbon available for boots
- Internal snaps to electrically connect to coverall and ground ribbon
- Color coded straps denote size
- Sizes: XS—2XL
- Product Circularity: Reusable / Launderable
- Color: White / Navy / Light Blue*
- ISO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20 and STM9.1—Footwear—Resistive Characterization

Part Number	Size
TX40BEWH01	XS
TX40BEWH02	S
TX40BEWH03	M
TX40BEWH04	L
TX40BEWH05	XL
TX40BEWH06	2XL



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ESD Hood



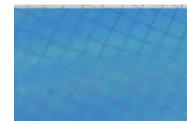
- TX4000 ESD Grid Fabric—99% Polyester / 1% Carbon
- Open face with snap-under-the-chin closures
- Two vertical snaps at each side of temples
- Roll hem
- Electrically connects to ESD coverall for ground continuity with two snaps
- Sizes: XS—2XL
- Product Type: Reusable / Launderable
- Color: White / Navy / Light Blue*
- ISO Cleanroom: ISO 6 (Class 1000)
- Meets standards required for ANSI/ESD S20.20

Part Number	Size
TX40HFWH01	XS
TX40HFWH02	S
TX40HFWH03	M
TX40HFWH04	L
TX40HFWH05	XL
TX40HFWH06	2XL



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*



Light blue is a non-stock product



Accessories

- *Labels*
- *Tape*
- *Pens*
- *Signs*
- *Trash*
- *Curtains*
- *Sheet Protectors*
- *Badge Holders*

Common, everyday items such as trashcans or pens, can be a potential threat to your static sensitive items. Transforming Technologies provides ESD safe versions of products that are commonly overlooked products in ESD protected areas.

ESD ACCESSORIES

ESD Waste Baskets



WBAS28

- Features:**
- Conductive Carbon
 - 7 Gallon Capacity
 - ESD Symbol



WBAS90

- Features:**
- Conductive Carbon
 - 22 Gallon Capacity
 - ESD Symbol



WBAS180

- Features:**
- Conductive Carbon
 - 44 Gallon Capacity
 - ESD Symbol



WBASDM

Part Number	Size
WBAS28	7 Gallon
WBAS90	22 Gallon
WBAS180	44 Gallon
WBAS-LP (Dissipative)	7 Gallon
WBAS-LB (Conductive)	7 Gallon
WBAS22-LP(Dissipative)	22 Gallon
WBAS22-LB (Conductive)	22 Gallon
WBAS44-LP(Dissipative)	44 Gallon
WBAS44-LB (Conductive)	44 Gallon

Trash Liners



Dissipative



Conductive

ESD Flux and Solvent Bottles



Part Number	Description
BT1002-F	ESD Flux Bottle, 16 GA Needle, 2 oz.
BT1002-F1	ESD Flux Bottle, 20 GA Needle, 2 oz.
BT1002-F2	ESD Flux Bottle, 26 GA Needle, 2 oz.
BT1006	ESD Solvent Bottle, Blue, 6 oz.
BT1008	ESD Solvent Bottle, Blue, 8 oz.

ESD Mat Cleaner



- Features:**
- Multi-purpose anti-static cleaner to clean and maintain dissipative surfaces
 - Quart size includes spray nozzle

Part Number	Description
PM1501	ESD Mat Cleaner, 1 Quart
PM1504	ESD Mat Cleaner, 1 Gallon

ESD Office Supplies



ESDKB2000



ESDCM1000

MP7575

Part Number	Description
ESDKB2000	ESD Keyboard, 108 Keys, USB
ESDCM1000	ESD Computer Mouse, USB
MP7575	ESD Mouse Pad, 7"x 8.5"
CA5003	IDP ESD Calculator, Battery Powered
SX5007	IDP ESD Scissors
TD1023	Steel Tape Dispenser, 1 roll, 3 in
TD2023	Steel Tape Dispenser, 2 rolls, 3 in
TD3023	Steel Tape Dispenser, 3 rolls, 3 in
DC2000	ESD Pen, Black ink
DC2000BLU	ESD Pen, Blue ink
DC2000R	ESD Pen, Red ink



TD3023



DC2000



SX5007



CA5003

ESD Labels



LB9010 5/8" x 2"



LB9020 3/8" x 1-1/4"



LB9030 5/8" x 2"



LB9040 5/8" x 2"



LB9050 5/8" x 2"



LB9060 1" x 2-1/2"



LB9070 1-3/4" x 3"



LB9201 3" x 5"



LB9081 4" x 4"

LB9080 2" x 2"

Removable Labels Available



MIL STD 129N/Symbol

LB9083 4" x 4"

LB9082 2" x 2"

Removable Labels Available



LB9100 4" x 4"

LB9090 2" x 2"



LB9120 1-3/4" x 2-1/2"

LB9110 1" x 1-1/2"



JEDC-14/Symbol - Removable

LB9140 1-3/4" x 2-1/2"

LB9130 1" x 1-1/2"



LB9160 3-1/2" x 3"



LB9180 1-3/4" x 2-1/2"

ESD Sign



SNX11X17A

Features:

- 17" x 22" ESD Control Area Sign
- Semi-Gloss Poster Paper
- Sold in pack of 5

ESD Tapes

Aisle Marking Tape



Part Number	Size
AM2401	2" x 36yd
AM3602	3" x 36yd

Anti Static Tape



Part Number	Size
CL1200	1/2" x 72yd
CL1801	3/4" x 72yd
CL2402	1" x 72yd
CL4803	2" x 72yd

Anti Static Tape, ESD Symbol



Part Number	Size
CL1200-P	1/2" x 72yd
CL1801-P	3/4" x 72yd
CL2402-P	1" x 72yd
CL4803-P	2" x 72yd

Conductive Grid Tape



Part Number	Size
CT1204	1/2" x 36m
CT1805	3/4" x 36m
CT2406	1" x 36m
CT4807	2" x 36m

ESD Brushes



Part Number	Description
BR4420	5" x .25" Conductive Brush, 3 Rows, 7 Holes, Bristle 18mm
BR4421	6" x .5" Conductive Brush, 2 Rows, 11 Holes, Bristle 18mm
BR4422	6" x .75" Conductive Brush, 1 Row, 3 Holes, Bristle 22mm
BR4424	7" x 1.5" Conductive Brush, 3 Rows, 20 Holes, Bristle 16mm
BR4425	7" x 2.25" Conductive Brush, 2 Rows, 22 Holes, Bristle 18mm
BR4426	9" x 3.5" Conductive Brush, 1 Row, 17 Holes, Bristle 33mm
BR4427	3.75" x 2.75" Conductive Brush, 5 Rows, 50 Holes, Bristle 21mm

SMD Storage Boxes



- Features:**
- Black or Transparent Lids
 - Spring Loaded Lid
 - Interlocking Tongue & Groove Connection
 - 6 Drawer Compartment Box

Part Number	Size
<i>Black Lid</i>	
SM0873	16x12x15mm
SM0874	37x12x15mm
SM0875	40x37x15mm
SM0876	68x57x15mm
<i>Transparent Lid</i>	
SM0880	16x12x15mm
SM0881	37x12x15mm
SM0882	40x37x15mm
SM0883	68x57x15mm

IDP-STAT ESD Badge Holder & Sheet Protectors



5221.3.IDP



DC1185.IDP

ESD Curtain Roll



ESDC1003C

- Features:**
- PVC material is very flexible and easy to cut
 - Conductive "honeycomb" grid
 - Can be used as softwalls
 - 54" x 98' x 0.3mm

ESD Microscope Cover



MC1221W

- Features:**
- Keep Microscope Optics Safe From Contamination
 - Made from ESD Materials
 - Won't Generate A Charge When Removed

ESD Workstation Cover



- Features:**
- Blue Dissipative Fabric
 - 4mm Ground Snap
 - ESD Symbol

Part Number	Size
WC2436B	2'x3'
WC4836B	3'x4'
WC7236B	3'x6'

WHERE TO BUY

Transforming Technologies partners with distributors throughout the USA, Mexico, Canada and Europe. The part numbers and descriptions in this catalog are to be used for references to Transforming Technologies products on our distributors websites and quoting process. Items may also be purchased through the “buy now” section of our product pages. For more information on our distributors please visit www.transforming-technologies.com/search-distributors or call 419-841-9552.



Add items to the quote cart on our website or submit a contact form. We will contact you with pricing and refer you to the best distributor for you.



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Would you like service and support of a local company? Visit our distributor page to view a map of distributors in your area. Give a call or email and ask for a quote!



Transforming Technologies has regional sales reps throughout the US, Canada and Mexico. Schedule an in-person visit or contact for a quote!

ESD AUDIT

An ESD audit is an essential part of a good ESD control program. This checks all ESD control practices and products are in proper working condition while giving management the necessary feedback for any corrective action. In the audit, all facets of the program must be checked to see that they are in accordance with defined company procedures. Any discrepancies must be recorded and reported to the work area supervisor and to company management. Graphic summaries are helpful tools for presenting audit results, and will enable managers to commend personnel in areas that have improved and to detect and analyze problems in areas that are having difficulties.

ESD Audits may be performed by our regional sales managers or a local representative.



REQUEST AN ESD SAMPLE PACK

Find out what Transforming Technologies can do for you! We are so confident in our products, we would like to show you instead of tell you! Visit our website to request a FREE SAMPLE PACK with an ESD Workstation, PLUS a free gift!

info@transforming-technologies.com

Free ESD Workstation!

CAUTION
ELECTROSTATIC SENSITIVE DEVICES
ALL PERSONNEL MUST OBSERVE PRECAUTIONS

FREE ESD SAMPLE PACK!

**Request a Complete ESD Workstation:
Free ESD Table Mat, Wrist Strap, ESD Sign and More!**

*Note: One Free Sample Per Company. Contact Transforming Technologies For Larger Evaluations.



TRANSFORMING TECHNOLOGIES
OUTSTANDING ALTERNATIVES IN STATIC CONTROL

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