

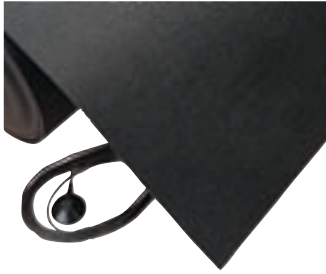
ESD Mats

3M

Velostat™

Conductive Floor Mat

Remove static charges from personnel as they near work area. 1/8" thick, includes 15' ground cord and 2 snap fasteners.
No. 3MM-1864-4X6 14' x 6' ..\$349.72



3M

8200 Series Static Control Table Mats

Three-layer construction provides static-free work surface. Mats include one 3048 wrist strap/table mat grounding system and two 3050 female snap fasteners (installed). Meets MIL-W-87893, Type II requirements.
No. 3MM-8211 2' x 4' Brown Static Control Table Mat.....\$80.80
No. 3MM-8213 2' x 4' Gray Static Control Table Mat\$80.80
No. 3MM-8214 2' x 4' Blue Static Control Table Mat\$80.80



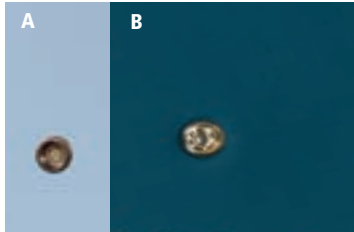
B Botron Co Inc.

Dissipative Mats

A. Solid Vinyl Anti-Static Mat

Dissipative solid vinyl material. Three-layer formation. Static decay time: <0.05 seconds. Let's you handle highly-sensitive equipment and components without transmitting harmful static electricity. Specs: RTT: 5.3 x 10⁷ x 6 x 10⁷ Ohms/sq.; RTG: 5.3 x 10⁷ to 5 x 10⁸ Ohms/sq.; Thickness: .090". Mats include: 3/8" snap and 10' ground cord. Rolls do not include ground cord and snap. (USA)

No. BOT-B5123 2' x 3', Blue, 10' Cord\$69.75
No. BOT-B5125 2' x 5', Blue, 10' Cord\$115.02
No. BOT-B51250 Roll, 2' x 50', Blue Vinyl\$616.00



B. Dissipative Two-Layer Rubber ESD Mats

Type T2 dissipative two-layer rubber table mat is .060 thick. Reversible (black conductive underside), will not burn, can be used with constant monitors. Mats come with grounding hardware and common point ground, rolls do not. Meets EOS/ESD standards.

No. BOT-B6123 2' x 3' Blue T2 Mat with Ground\$49.85
No. BOT-B6124 2' x 4' Blue T2 Mat with Ground\$62.22
No. BOT-B6125 2' x 5' Blue T2 Mat with Ground\$77.43
No. BOT-B61250 2' x 50' Blue Roll\$516.30
No. BOT-B613050 2.5' x 50' Blue Roll\$658.17
No. BOT-B61350 3' x 50' Blue Roll\$773.72

B Botron Co Inc.

Vinyl Rubber Anti-Fatigue Mat

This 3/8" vinyl/rubber anti-fatigue mat provides a true anti-fatigue floor surface. Slip and soil resistant with a heavy embossed texture. Beveled edges. 3/8" thick, gray. Size: 3' x 5'.
No. BOT-B7035.....\$101.18



B Botron Co Inc.

Lead-Free Work Area Mats

Two-layer rubber mat insures work area is lead-free. Grounding hardware not included.

2' x 50' Lead-Free Mat
No. BOT-B62250\$516.30
2.5' x 50' Lead-Free Mat
No. BOT-B623050\$658.17
3' x 50' Lead-Free Mat
No. BOT-B62350-DS\$773.72
4' x 50' Lead-Free Mat
No. BOT-B62450\$1016.51

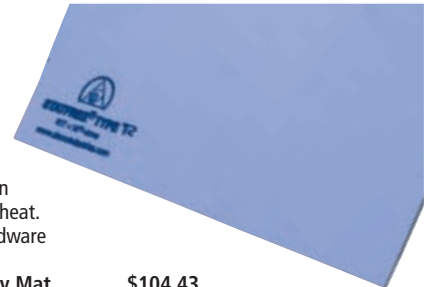


DESCO

Statfree® Type T2 Static Dissipative Material

2-layer, .060", static dissipative rubber provides static protection and resistance to abrasion and heat. Mats come with grounding hardware and ground cord; rolls do not.

No. CHW-66055 2' x 4' Grey Mat\$104.43
No. CHW-66080 2' x 40' Grey Roll\$676.12

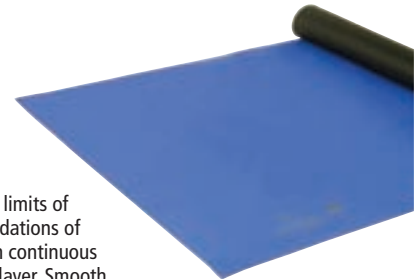


DESCO

Statfree B2, 2-layer Vinyl Mats

Economical dual layer vinyl material. Dissipative worksurface - 10E6 - 10E8 Ohms RTT. Meets worksurface required limits of ANSI/ESD S20.20 and recommendations of ANSI/ESD S4.1. Can be used with continuous monitors. Abrasion resistant top layer. Smooth surface is easy to clean and maintain.

No. DES-66160 .060" x 2' x 50' Roll\$520.28
No. DES-66161 .060" x 2.5' x 50' Roll.....\$650.35
No. DES-66162 .060" x 3' x 50' Roll\$780.43
No. DES-66163 .060" x 4' x 50' Roll\$1040.57
No. DES-66164 .060" x 2' x 3' Mat\$64.62
No. DES-66166 .060" x 2' x 5' Mat\$86.15
No. DES-66167 .060" x 2.5' x 5' Mat\$134.47
No. DES-66168 .060" x 2.5' x 6' Mat\$161.54
No. DES-66169 .060" x 3' x 6' Mat\$193.85



DESCO

Statfree Diamond Plated Anti-Fatigue Mat

Homogeneous vinyl with diamond plated pattern. Laminated foam rubber anti-fatigue base. Exceeds ANSI/ESD S20.20 required limit. Suitable as floor in ANSI/ESD STM 97.1 floor-footwear system. Provides better traction especially where moisture may accumulate. Highly visible yellow border with beveled edges and radius corners. Grounding hardware included.

No. DES-40981 0.45" x 3' x 5'\$327.84



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ONLINE AT
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ESD Mats/Cleaners

3M Static Dissipative Portable Field Service Kit

Provides a static-free environment and reduces risk of static discharge during field repair of printed circuit boards. Includes a .021" x 22" x 24" red static-dissipative mat with 2 pockets, a 3051 ground cord assembly, 3038 uninsulated alligator clip and a 2204 adjustable wrist strap band. Folds to 8" x 12". Meets Requirements of MIL-W-87893, Type III.
No. 3MM-8501\$77.26



3M Lightweight Portable Field Service Kit

Weights less than 7-oz. and folds up to a compact 3/4" x 3-1/2" x 6-1/2". Includes a .015" x 15" x 20" red static dissipative mat with pocket, a 2204 adjustable wrist strap band, a 5' 2240 wrist strap ground cord, a 5' 2243 extension ground cord, a 5' 3063 work surface ground cord and a 3038 uninsulated alligator clip.
No. 3MM-8505\$114.74



Contamination Control Mats



Softy Work Mats

Cushioned vinyl anti-static work mat for production areas where a non-resilient mat is needed for handling parts. Non-slip, even on glass. Will not short boards, drain batteries or put carbon into the atmosphere. 14" x 22". Pack of 10.
No. RIP-46183\$58.60



Clean Walk Mats

Adhesive floor mats remove dirt and contaminants from shoe soles, wheels and other passing objects on contact. Each mat includes thirty adhesive layers mounted on a 2-mil polyethylene backing. Easy-to-use mat can be adhered to any clean, dry floor. Four mats per case.



No. COA-CRP0430-1-W	18" x 36"	.....\$90.50
No. COA-CRP0430-2-W	18" x 46"	.....\$102.50
No. COA-CRP0430-3-W	24" x 36"	.....\$112.50
No. COA-CRP0430-4-W	24" x 46"	.....\$84.29
No. COA-CRP0430-5-W	36" x 36"	.....\$172.50

Workstation and Mat Cleaners



Zero Charge™ Mat and Table Top Cleaner

Neutral pH anti-static cleaner removes flux residues, oils, greases, nicotine, dirt and grime, while eliminating static build-up. Non-flammable, non-corrosive, non-abrasive, non-ammoniated, safe on plastics.
No. TSI-1733-QT 1-qt. Trigger Spray\$16.61
No. TSI-1733-GL 1-gal. Container\$41.12



Static Control Surface Cleaner

- Effective topical antistat
- Nonflammable

Extra-strength for removing ordinary dirt, grime, spots and stains from all types of static control surfaces. Water-based formula, leaves no tacky or corrosive residue behind. Maintains a consistent surface resistivity of 10¹¹Ω/sq. over extended periods in both normal 55% RH or dry 13% RH environments. Clear, colorless liquid that contains detergents, conditioners, and other cleaning additives. Fresh clean scent.
No. 3MM-8001\$9.76



Reztore ESD Surface & Mat Cleaner

Spray on and wipe clean to remove dust, grease, grime, fingerprints, solder flux and other contaminants from ESD mats and other surfaces without degrading the surface's ability to drain charges. No alcohol, alkali, ammonia, other harsh chemicals. Low volatility, non-flammable and non-toxic. Lead-free RoHS compliant.
No. DES-10434 Reztore, 16oz.\$116.21
No. DES-10438 Refill, 2.5 gal.\$54.57



Workstation & Mat Cleaner

A low-ionic, general purpose workstation cleaner. Biodegradable, alcohol-free and odorless. Formulated for electronic, cleanroom and pharmaceutical environments. Formulation neutralizes any static charges. Meets requirements for SARA Title 3, T.S.C.A and ESD TR20.20-2000.
No. RRL-ICSC-GAL 1 gallon\$14.29
No. RRL-ICSC-32-ESD 32 oz.\$7.07



SAME DAY SHIPPING!
Your local California Based Supplier

ESD Mat Cleaners & Accessories



Mat & Table Top Cleaner

Non-abrasive cleaner for general use on workstations, table tops and anti-static mats. Leaves no film, is non-streaking, non-flammable and safe on any surface. Effectively removes flux residues, oil, finger marks, grease, nicotine, dirt or grime and inorganic contaminants. Meets or exceeds MIL 81705, NFPA 56A.

No. ACL-6001 1-qt. Spray Bottle\$7.00
 No. ACL-6002 1-gal. Container\$22.75



Ultra Static Dissipative Floor Finish

- Provides superior abrasion performance for 18-24 months with proper maintenance
- Surface resistivity: 10^8 - $10^9\Omega$ /sq. average
- Is easily maintained & repaired with no buffing, extends stripping/recoating cycle
- Resists powdering or flaking, even in dry conditions
- Contains low volatile organic compounds
- Dries fast with high gloss intensity
- Conforms to ESD/ANSI/IEC standards
- Controls static generation even at low relative humidities

No. ACL-4600-1 Staticide Ultra 1 Gallon\$75.00
 No. ACL-4600-5 Staticide Ultra 5 Gallons ..\$345.00



Staticide

A highly effective, long-term method of static control. Easily apply to walls, ceilings, floors, carpets, fixtures, work surfaces, tools, equipment, conveyor belts, clothing and other materials. Staticide® is non-toxic, non-flammable, non-staining, completely biodegradable & safe.

- Meets DOD-HDBK-263 for topical antistats
- Meets or Exceeds electrostatic decay criteria for MIL-B-81705 & NFPA-56A, when tested in accordance with Federal Test Standard 101B, Method 4046
- Effective even when relative humidity is below 15%



Acrylic Dissipative Floor Finish

Provides high-performance static control on any sealed or hard surface. Easy to apply and perfect for production areas, warehouses, shipping, laboratories and electronic repair facilities.

No. ACL-40001 Floor Finish 1 Gallon.....\$55.00
 No. ACL-40005 Floor Finish 5 Gallons.....\$265.00



General Purpose Staticide®

Ideal to use on hard non-porous surfaces such as glass, plastic, machinery and vinyl.

No. ACL-2003 1-qt. Spray Bottle\$10.75
 No. ACL-2001 1-gal. Container\$26.70

Heavy Duty Staticide®

Ideal for porous surfaces such as upholstery, carpet, foam and conveyor belts.

No. ACL-2005 1-qt. Spray Bottle\$17.35
 No. ACL-2002 1-gal. Container\$58.90

Clean Room Staticide

Solution specially formulated to control static on clean room floors, chairs, CRT screens, work surfaces, glass, plastics and other static prone materials. Class 100 Clean Room approved. Individually bagged to prevent contamination.

No. ACL-5001 1-qt. Bottle\$29.50



DESCO

Replacement Coiled Ground Cords

6- and 12-foot replacement cords for wrist straps. 4 mm snaps.

No. DES-09480 6-foot Coil Cord\$13.90
 No. DES-09680 12-foot Coil Cord\$17.81



3M

Charge Guard™ Wrist Strap Grounding Cords

Replacement cords for use with any 2200 series wrist straps.

No. 3MW-2210 5' Coiled Cord\$16.34
 No. 3MW-2220 10' Coiled Cord\$21.52



DESCO

Statguard® Dissipative Floor Finish

No need for conductive tile or floor mats. High molecular weight, acrylic polymer colloidal emulsion applies easily, dries in less than 1 hr. Use in cleanrooms, assembly or test areas. Cover approx. 2000 sq. ft. per gal. per coat. Per ANSI/ESD S20.20, ESD protective flooring, used w/ approved footwear may be used as an alternative to the wrist strap system for standing operations or mobile workers.

Floor Finish - 5 Gallons
 No. CHW-10512\$280.27



Universal Snap Kit

Fast and easy way to install 10mm snaps or studs to soft work station materials. Includes 2 screws (floor and table mat lengths). 1 each: 10mm socket, 10mm stud, washer and screw base.

No. BOT-B9865\$35.09



Prices in this catalog are effective January 1, 2012. While we attempt to hold prices, we cannot control when our vendors increase prices. We reserve the right to correct misprints.

ESD Wrist Straps

DESCO

Elastic® MagSnap® Wrist Band

Superior electrical connection to eliminate intermittent failures of traditional snaps; extends the lifespan of the wrist strap. Maintains 1-5 pound release to prevent accidental disconnects and increased safety. Medical grade stainless steel locking clasp eliminates allergic skin reaction for most operators and prevents band from slipping so you don't have to re-size each time. UL listed.



Coil Cord

Over 62 times the minimum requirement per ESD S1.1 with limited lifetime warranty. Contoured spring supported banana plug prevents unnecessary wear that can lead to accidental disconnects from banana jacks. Low profile snap design keeps cord from being disconnected or getting in the way of your work area. One Megohm series resistor to protect from accidental contact with equipment line voltage.

Wristband, Only, Magsnap, Adj Elastic, Onyx	
No. DES-09183	.....\$9.60
Wrist Strap, Magsnap, Adj Elast, Onyx, 6' Cord	
No. DES-09184	.....\$24.62
Wrist Strap, Magsnap, Adj Elast, Onyx, 12' Cord	
No. DES-09185	.....\$27.55

Expansion Wrist Straps

Wristwatch-type metal expansion band. Ideal for use in cleanrooms.

No. DES-09088	Small Wrist Strap with 6' Coil Cord	.....\$32.57
No. DES-09087	Medium Wrist Strap with 6' Coil Cord	.....\$32.57
No. DES-09086	Large Wrist Strap with 6' Coil Cord	.....\$33.20
No. DES-09045	Small Band only	.....\$23.53
No. DES-09043	Large Band only	.....\$23.53

Adjustable Expansion Wrist Strap

Easy to adjust, positive lock closure system. One size fits all.

No. DES-09085	Adjustable Wrist Strap with 6' Coil Cord	.....\$34.38
No. DES-09041	Wrist Band only	.....\$21.79

DESCO

Elastic Adjustable Wrist Straps

Extra wide, soft elastic band increases comfort. Contains silver that easily removes generated static charges for superior conductivity.

Adjustment design eliminates exposed conductive "tail" of the band. Medical grade 300 series stainless steel eliminates allergic skin reactions. Non-shedding, non-sloughing material is safe for microelectronics. UL listed and date coded for lot traceability and quality control.

No. DES-09070	Elastic Adjustable Wrist Strap w/ 6' Coil	.....\$20.05
No. DES-09028	Elastic Adjustable Wrist Strap (band only)	.....\$8.03



DESCO

Elastic Wrist Grounding Strap

Conductive stretch wrist band adjusts to provide a custom fit and ESD protection in static-sensitive environment. Includes 6' coil cord and alligator clip.

No. DES-09039\$12.69
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3M

2200 Series Charge-Guard™ Adjustable Wrist Strap

One size fits all. Adjusts to any wrist, assuring all-around skin contact for continuous dissipation of static.

Silver-plated monofilament thread contains a bundle of highly conductive strands to assure full 360° conductivity on the band. Hinged closure secures it. 4mm (1/8") snap; Maroon. UL listed.

No. 3MW-2204	Wrist Band only	.....\$8.20
No. 3MW-2214	Wrist Strap/5' Coil Cord	.....\$21.37
No. 3MW-2224	Wrist Strap/10' Coil Cord	.....\$29.65



3M

4600 Series ESD Wrist Straps

Molded, insulative thermoplastic blue exterior with integrally molded conductive interior insert and metal snap in 4mm size. Comes with 5' ground cord. Blue.

No. 3MW-4650\$14.55
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3M

4700 Series ESD Wrist Straps

Dual conductor wrist band features a thermoplastic band with an integrity molded conductive interior. Easy on, easy off adjustable "zipper" style latching mechanism. Cord sold separately. Blue.

No. 3MW-4720\$7.55
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3M

Fabric Wristband and Cord - Premium Performance

Band – Machined snap (4mm) for a reliable connection. Soft, hypoallergenic silver plated band, 360° contact. Stainless steel (302 series) back plate. Adjustable, locking clasp. UL listed. Date coded for traceability. (USA)

Cord –100% tested for reliability. 6 or 12 ft long cord, 1 meg resistor. Polyurethane, high tensile strength coiled cord. 62 times the ANSI/ESD S-1.1 requirement. UL listed. Date coded for traceability. (USA)

No. SCC-WBB-AFWS61M	Fabric band & Cord, 6' Set	.....\$10.51
No. SCC-WBB-AFWS121M	Fabric band & Cord, 12' Set	.....\$12.91
No. SCC-WBB-AFWS	Fabric Wristband Only	.....\$5.51
No. SCC-CC61M	6' Cord only	.....\$6.72
No. SCC-CC121M	12' Cord only	.....\$8.65



3M

Fabric Wristband and Cord - Standard Performance

Adjustable fabric band with lay-flat fabric. 6 foot cord with spinning style banana plug. 1 Meg resistor.

Wristband and 6' Cord, Blue	
No. SCC-BLUEWS61M	.....\$8.25
Wristband only, Blue	
No. SCC-BLUEWS	.....\$4.00
Wristband and 6' Cord, Red	
No. SCC-MWS61M	.....\$8.40
Wristband only, Red	
No. SCC-MWS	.....\$3.88
6' Cord only	
No. SCC-BLCC61M	.....\$7.40



ESD Wrist/Foot Straps

B Botron Co Inc.

Comfort Band Adjustable Wrist Strap

Adjustable extra soft navy blue elastic material includes a large conductive area and stainless steel backplate. Blue.

- No. BOT-B9104 1/4" Snap, 6' Cord.....\$8.95
 No. BOT-B9134 1/4" Snap, 12' Cord\$10.37



B Botron Co Inc.

Economy Adjustable Wrist Straps

5/8" conductive fiber with an inner-surface of 10 mΩ. Design provides the performance and reliability of a metal band with the comfort of cloth. Comes with alligator clip, banana plug, snap and a 6' or 12' coil cord.

- No. BOT-B9008 1/8" (4mm) snap, 6' cord\$8.45
 No. BOT-B9004-DS 1/4" snap, 6' cord.....\$8.45
 No. BOT-B9028 1/8" (4mm) snap, 12' cord\$9.36



3M

Dual Conductor Fabric Wrist Band for Monitors

One size adjusts to any size wrist to provide reliable protection. Wrist strap features a band made of a silver plated, monofilament, continuous thread woven together with elastic nylon to maintain full conductivity, comfort and reliability, while providing rapid and continuous drain of static charge. Two 1MΩ resistors are built into the ground cord. Adjustability also simplifies ordering procedures and inventory control by eliminating the need to order and stock several band sizes. Turquoise.

- No. 3MW-2368.....\$12.15



3M

2300 Series Charge-Guard™ Adjustable Dual Wrist Strap

Dual conductor wrist straps, in either a conductive stretch fabric or a metal expansion band, are designed specifically to be used with the Charge-Guard™ 724 continuous work station monitor. Available in small, medium or large. Cord included.

- No. 3MW-2381 Small Metal Dual Conductor Strap\$46.89
 No. 3MW-2382 Medium Metal Dual Conductor Strap\$46.89
 No. 3MW-2383 Large Metal Dual Conductor Strap\$46.89
 No. 3MW-2360 5' Dual Conductor Coil Cord.....\$24.49
 No. 3MW-2370 10' Dual Conductor Coil Cord.....\$28.45
 No. 3MW-2371 20' Dual Conductor Coil Cord.....\$34.72



3M

2240 Series Charge-Guard™ Metal Expansion Wrist Straps

3M combines the familiar features found in its Charge-Guard™ wrist straps with the dependability of a quality expansion watchband. 4mm (1/8") snap; Black.

- No. 3MW-2205 Small Metal Expansion Band\$23.98
 No. 3MW-2206 Medium Metal Expansion Band\$23.98
 No. 3MW-2207 Large Metal Expansion Band\$23.98



B Botron Co Inc.

Metal ESD Wrist Strap

Unlike carbon woven bands these versatile, fully adjustable metal wrist straps can be used in, but not limited to, cleanroom environments as high as class 10. Sturdy, tangle-free 6' coil cord has built in 1MΩ resistor and attaches to ground via standard banana jack or removable alligator clip included. Black.

- No. BOT-B9478-DS..... \$13.85



Metal Wristband and Cord - Premium Performance

Adjustable metal band for durability and easy cleaning. Tough outer band coating to protect wearer from electrical hazards. 1 meg resistor.

- No. SCC-AMWS61M Metal band & cord, 6' Set\$24.02
 No. SCC-AMWS121M Metal band & cord, 12' Set\$26.40
 No. SCC-AMWS Metal wrist strap only\$17.82



DESCO

Adjustable Metal Wrist Strap

Total adjustability, surgical stainless steel skin contact area with high temperature coating. Wrist Strap, Black Metal, 6' Cord

- No. SPI-95041\$17.84



Heel and Toe Grounding

DESCO

Elastic Heel Grounding Straps

Heel grounding strap designed for a continuous ground path between the user and the ground. Made from laminated rubber to prevent damage to shoes and floor.

- No. DES-07588\$7.49



MaxClean Toe Grounding Strap

- No. MAX-SCTS-02\$4.89

DESCO

Foot Ground, Full Coverage, Non-Marring

Unique design requires no fastening system: flexible material stretches over most shoes for quick and easy installation. Neoprene rubber with no exposed carbon will not mar shoes or floors reducing maintenance costs. 30" long, 8 conductive strand nylon polyester grounding tab. Additional conductive material provides reliable connection with operator's sweat-layer. One Megohm series resistor.

- No. DES-17272 Foot Ground, Non-Marring, Lg.....\$9.99
 No. DES-17271 Foot Ground, Non-Marring, Med.....\$9.99
 No. DES-17270 Foot Ground, Non-Marring, Sm\$9.99



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ESD Heel & Foot Grounders

B Botron Co Inc.

Ergo-One Toe Grounder

- Comfortable stretch material for easy adjustment
 - 1.5" wide reversible cup design
 - Two-layer rubber material with non-marking inner cup
 - 10" long conductive tab
 - Available in black
 - 1 Meg Ohm resistor
 - Meets DOD 263A standards
- No. BOT-B7522\$6.04



Ergo-One Heel Grounder

- Comfortable stretch material for easy adjustment
 - 1.5" wide reversible cup design
 - Two-layer rubber material with non-marking inner cup
 - 18" long conductive tab
 - Available in blue
 - 1 Meg Ohm resistor
 - Meets DOD 263A standards
- No. BOT-B7500\$4.62



Standard Heel Grounder

- 9" long hook and loop strap
 - 1.5" wide reversible cup design
 - Two-layer rubber material with non-marking inner cup
 - 18" long conductive tab
 - Available in black
 - 1 Meg Ohm resistor
 - Meets DOD 263A standards
- No. BOT-B7503\$4.62



D-Ring Heel Grounder

- 12" long adjustable D-ring design
 - 1.5" wide reversible cup
 - Two-layer rubber material with non-marking inner cup
 - 18" long conductive tab
 - Meets DOD 263A standards
- No. BOT-B7529\$6.58



- D-Ring Heel Grounder (Blue)**
with 1 Meg Ohm resistor
No. BOT-B7528 \$6.58

Non-Marking Heel Grounder

- Ideal for cleanrooms
 - 2-layer rubber with non-marking inner/outer cup
 - Comfortable stretch material for easy adjustment
 - 1.5" wide cup design
 - 18" long conductive tab
 - Gray rubber with blue velcro
 - No resistor
- No. BOT-B7571 \$6.53



Hi-Visibility Heel Grounder

- Ideal for identifying work areas
 - Fits comfortably on large shoes
 - 1M resistor
 - Black velcro
 - 1.5" x 7/5" two-layer rubber cup design
 - Dual layer of rubber with non-marking inside and a conductive rubber outside
 - Bright yellow stretch elastic backing for greater fit and visibility
- No. BOT-B7595\$4.62



3M

Standard Style Foot Grounder

Elastic D-Ring closure. Durable 3-layer sole with scrim. 24", 8 strand ribbon. UL listed. 1 Meg Ohm resistor. Red elastic for visibility.
No. SCC-HGS1MD-RED\$6.57



3M

Blue Velcro Cup Style Foot Grounder

Premium grade, 3 layer sole resists wear. Will not mar shoes. Adjustable elastic blue velcro. 24" ribbon. UL listed. 1 Meg Ohm resistor.
No. SCC-HGC1M-N72-BLU\$7.08



3M

Cup Style Foot Grounder

Premium grade, 3 layer sole resists wear. Will not mar shoes. Adjustable elastic velcro. 24" ribbon. UL listed. 1 meg resistor.
No. SCC-HGC1M\$6.74



Standard Style Foot Grounder

Velcro closure. Durable 3 layer sole with scrim. 24", 8 strand ribbon. UL listed. 1 megohm resistor.
No. SCC-HGS1M\$6.14

3M

Velostat™ Conductive Shoe Grounding Strap

Effectively grounds personnel where mobility is required. Provides reliable path for static to discharge to ground, provided personnel are wearing shoes with insulative soles on conductive flooring. 100 grounding straps per box.
No. 3MW-2045\$40.37 SALE \$36.00



Foot Grounders

All foot ground straps have a non-marking inner layer to prevent marking user's shoe. The 17200 is a basic heel ground strap with contact strip attached with snap fastener with 1 mΩ resistor for safety. The 17222 is an adjustable toe grounder with a 1 mΩ resistor. The 17250 is a non-marking dissipative heel grounder. Per ANSI/ESD S20.20, ESD protective flooring, used with approved footwear may be used as an alternative to the wrist strap system for standing operations or mobile workers.

- Heel Grounder w/ 1 mΩ Resistor**
A. No. CHW-17200.....\$9.75
Toe Grounder w/ 1 mΩ Resistor
B. No. CHW-17222\$15.58
Non-Marking Heel Grounder
C. No. CHW-17250.....\$12.75
No Mark Heel Strap, 1 mΩ Resistor
No. CHW-17252\$13.82



**MORE PRODUCTS AVAILABLE
ONLINE AT
WWW.WASSCO.COM**



SAME DAY SHIPPING!
Your local California Based Supplier

Static Bags, Tape and Labels



SCC1000™ Static Shield Bags - Metal-In

- Durability is enhanced by sandwiching the metal layer between polyester and polyethylene
- Four-layer construction for excellent protection from punctures and tears
- Bags have ESD warning symbol and are date coded for QC traceability

Also available in Metal-Out.

Cat. No.	Size	Description	Price
SCC-10035	3" x 5"	Open Top Bag (100)	\$4.83
SCC-10044	4" x 4"	Open Top Bag (100)	\$5.16
SCC-1000-4X24	4" x 24"	Open Top Bag (100)	\$22.65
SCC-100430	4" x 30"	Open Top Bag (100)	\$26.83
SCC-10058	5" x 8"	Open Top Bag (100)	\$10.02
SCC-100610	6" x 10"	Open Top Bag (100)	\$11.83
SCC-100810	8" x 10"	Open Top Bag (100)	\$16.36
SCC-100812	8" x 12"	Open Top Bag (100)	\$17.83
SCC-1001012	10" x 12"	Open Top Bag (100)	\$23.04
SCC-1000-11X15	11" x 15"	Open Top Bag (100)	\$30.77
SCC-1001216	12" x 16"	Open Top Bag (100)	\$33.97
SCC-1001218	12" x 18"	Open Top Bag (100)	\$40.15
SCC-1001818	18" x 18"	Open Top Bag (100)	\$62.57
SCC-30035	3" x 5"	Resealable ZipTop™ Bag (100)	\$10.25
SCC-30044	4" x 4"	Resealable ZipTop™ Bag (100)	\$9.93
SCC-30046	4" x 6"	Resealable ZipTop™ Bag (100)	\$11.12
SCC-30058	5" x 8"	Resealable ZipTop™ Bag (100)	\$16.92
SCC-30068	6" x 8"	Resealable ZipTop™ Bag (100)	\$17.30
SCC-300810	8" x 10"	Resealable ZipTop™ Bag (100)	\$27.66
SCC-300812	8" x 12"	Resealable ZipTop™ Bag (100)	\$30.58
SCC-3001012	10" x 12"	Resealable ZipTop™ Bag (100)	\$38.95
SCC-3001115	11" x 15"	Resealable ZipTop™ Bag (100)	\$47.16
SCC-3001216	12" x 16"	Resealable ZipTop™ Bag (100)	\$57.42



Statshield® Shielding Bags

Statshield® shielding bags offer superior durability. Constructed of an alloy electrostatic shield with a tough layer of polyester protection. Transparent bags allow contents to be seen without removal. With or without plastic "zipper." Fulfills ANSI/ESD S20.20 principle requiring the transportation of ESD susceptible items outside an ESD protected area to be enclosed in low tribocharging, static discharge shielding materials. Pack of 100.

Cat. No.	Size	Description	Price
CHW-13010	3" x 5"	Metal Out	\$10.03
CHW-13020	4" x 6"	Metal Out	\$12.47
CHW-13065	8" x 10"	Metal Out	\$25.03
CHW-13080	10" x 14"	Metal Out	\$37.72
CHW-13110	12" x 16"	Metal Out	\$58.73
CHW-13135	18" x 24"	Metal Out	\$118.39
CHW-13205	3" x 5"	Metal Out Zip	\$18.50
CHW-13215	4" x 6"	Metal Out Zip	\$21.08
CHW-13245	6" x 10"	Metal Out Zip	\$34.38
CHW-13270	10" x 12"	Metal Out Zip	\$57.47
CHW-13405	3" x 5"	Metal In	\$6.20
CHW-13415	4" x 6"	Metal In	\$6.95
CHW-13445	6" x 10"	Metal In	\$13.27
CHW-13460	8" x 10"	Metal In	\$18.97
CHW-13470	10" x 12"	Metal In	\$25.28
CHW-13500	12" x 16"	Metal In	\$40.18
CHW-13605	3" x 5"	Metal In Zip	\$10.25
CHW-13615	4" x 6"	Metal In Zip	\$13.29
CHW-13660	8" x 10"	Metal In Zip	\$32.95
CHW-13700	12" x 16"	Metal In Zip	\$63.64



3M Static Awareness Labels

Helps prevent improper handling of static sensitive components. Available in reusable or destructible labels with either the JEDEC-14 symbol or Military Standard 129M symbol. 500 labels per roll.

JEDEC-14, Reusable	
No. 3MM-7101	\$29.03
JEDEC-14, Destructible	
No. 3MM-7102	\$27.46
MIL-STD-129M, Reusable	
No. 3MM-7201	\$29.03
MIL-STD-129M, Destructible	
No. 3MM-7202	\$28.24



3M 40PR Anti-Static Utility Tape

Generates less than 50V on unwind from the roll or removal from a stainless steel surface. Tape is imprinted with ESD symbol. Specs: Surface resistance: 5 x 10⁶ to 5 x 10⁸ Ω/sq.; Thickness: 2.2 MIL. 72 yds/roll; 3" Core.

No. 3MM-40PR-1/4x72	1/4"	\$7.36
No. 3MM-40PR-1/2x72	1/2"	\$14.76
No. 3MM-40PR-3/4x72	3/4"	\$22.12
No. 3MM-40PR-1x72	1"	\$29.50
No. 3MM-40PR-2x72	2"	\$44.71



Anti-Static High-Temp Masking Tape

For low static charge applications. Perfect for wave soldering, withstands 275°F exposure up to 45 min. Specs: Backing: Anti-Static co-polymer; Adhesive: Rubber; Thickness: 7 MIL; Length: 60 Yards. (USA)

No. BOT-BHT53-LB	1/2"	\$5.18
No. BOT-BHT34-LB	3/4"	\$6.23
No. BOT-BHT13-LB	1"	\$5.69
No. BOT-BHT23	2"	\$11.96



Botron Co Inc.

Lead Free Floor Tape

Use to show lead free zone. 3" x 18 yds with lead free symbol. Durable vinyl. No. BOT-B1618L\$30.94



Attention Label Mil Std-129

ESD Susceptibility Symbol; JEDEC/EIA471. Destructible. 2" x 2"; 500 labels/roll. No. BOT-B6727\$9.71



DESCO

High Output Benchtop Ionizer

- Bench top steady state DC ionizer with sealed thru-tunnel air flow: Specially designed fan modules create better coverage (16" x 36"), consistent offset voltage (balance) ± 3 volts, and superior discharge times (< 1 second at 12") tested per ANSI/ESD STM 3.1
 - Active balancing system with audible and visual alarm: Continually adjusts voltage output for optimal performance and sounds alarms when maintenance is needed or unit is not operating correctly
 - 3 Position fan speed: low, medium, high (50-100 CFM)
 - Powder coated housing and multi-mount stand with sealed bearing fans: Minimizes foreign objects debris, corrosion, and other contaminations.
 - Replaceable emitter pins: for minimal downtime. (USA)
- No. DES-60505\$537.08



3M

Ionized Air Blower

Self-contained, bipolar and intrinsically balanced, this air blower is designed to prevent static from damaging sensitive electronics. Compact and quiet, requires only limited maintenance, and no calibration or adjustment to maintain ion balance. Built-in heater. **One-Year warranty.**

No. 3MM-963E\$471.27



3M

Mini Air Ionizer

Small and versatile for local area ionization or on ESD workstations. Maintains balanced flow ($\pm 20V$) of ionized air. Steady-state DC ion emission for efficient ion delivery. **Includes:** Ionizer, mounting bracket, and 3' wall transformer cable.

- Mini Air Ionizer
No. 3MM-960 \$416.38
- Wall Transformer
No. 3MM-960X/980X \$48.45



3M

Static Free Air Blast Cleaning 980 Ionizer Air Gun

Excellent tool for blowing particulate contamination off any surface. Releases a balanced stream of compressed ionized air that neutralizes the static charge that can hold particulates to a surface. Patented technology ensures balanced ionization for consistent control of surface charges. Never needs adjustments and requires little maintenance. The low-voltage electrical feed from the console to the hand unit is incorporated into the 7 ft. (2.1 m) light, flexible air hose. The gun itself is very lightweight and ergonomically designed for long term user comfort and efficient operation. The console, gun and air hose are all made of static-dissipative, ESD-safe materials. Operates from 100/120 AC power and has a filter efficiency of 99.9% for 0.1 micron particle size.

No. 3MM-980\$861.75



DESCO

CE Overhead Ionizer

Designed for cleanroom environment use, this ionizer features a sealed plenum chamber that rapidly neutralizes static charges. Meets ANSI/ESD S20.20 requirement to neutralize electrostatic fields on all process-essential insulators.

No. DES-60640 24" Ionizer Calibrated\$812.35



3M

Overhead Ionizer

Space-saving overhead ionizer emits steady state DC ions with low airflow. Open-cell foam filters on fan intake protect internal components from environmental contamination. **Features:** Alarm relay closure circuitry; Bi-color LED indicator; 44" with three fans; 114 CFM; High and low speeds; Self-balanced - no calibration needed; Visual performance indicator; Broad static neutralization over the workbench; Reduces manual emitter point cleaning. **One-Year Warranty.**

No. 3MM-991 Overhead Ionizer\$1080.80

No. 3MM-991F Replacement Filter (3/Pack)\$6.05

3M

718 Static Sensor

Measures static voltages on objects and surfaces. Helps identify ESD trouble-spots. Button switches between the two measurement ranges of 0-2,000V and 0 - 20,000V, and, if held for longer than 3 seconds, resets the voltage display to 0V. Ranging system assists you to make quick and easy measurements accurate to $\pm 5\%$. **Includes:** Static sensor, meter, Certificate of performance, manual. **One-Year Warranty.**

718 Static Sensor (Certified)
No. 3MM-718\$669.04



3M

718A Air Ionizer Test Kit

Combined with the 718 static sensor, this test kit provides periodic verification of air ionizer performance. Consists of a charge plate and a charger for measuring the ionizer's offset balance. Charger can be used to deposit an electrostatic charge on the plate.

Specs: Charger output: 1100V min. for positive or negative voltage; Battery: 9V.

Includes: Charge plate, Charger, Certificate of performance. **One-Year Warranty.** (USA)

No. 3MM-718A\$295.19



ESD Monitors

DESCO

Common Point Ground Cords

15' dual ground cord allows grounding of two wrist straps. Terminated with ring terminal and 1 Meg Ohm resistor.
No. DES-09826\$16.70



Dual Bench Ground

Metal box mounts under front edge of workstation. Includes 10' long ground cable with #10 ring terminal connector. Two banana jack receptacles for secure ground connections. Two parking studs (4mm) for storing cords when not in use.
No. BOT-B9743\$13.13



DESCO

Wrist Strap and Mat Grounding Accessories

Allows a variety of mounts for grounding strap.



No. DES-09740	Dual Banana Jack Ground w/ 10' Cord	\$17.82
No. DES-09813	Ground Cord	\$16.70
No. DES-09782	Stacking Snap Banana Jack	\$2.76
No. DES-09780	Ring Terminal Banana Jack	\$1.84
No. DES-09750	Large Clip	\$6.70
No. DES-09700	Alligator Clip	\$0.91
No. DES-09864	Universal Snap Mounting Kit	\$3.16



DESCO

Dual Operator Monitor with Split Remote Modules

Continuously monitors the integrity of 2 operators and workstations, eliminating the need for periodic testing and recording. Ideal for adjacent workstations for assembly, test, packaging, or other applications. Ready to use unit includes control unit and two satellite remote monitors. Park Snap feature for each operator lets them disconnect wrist strap cord when normally leaving the workstation without alarm sounding. Full time status LEDs and audible alarm.
No. DES-19246\$268.03



DESCO

Multi-Mount Continuous Monitor

Continuously monitors the integrity of one operator and workstation, eliminating the need for periodic testing and recording. Ideal for individual workstations for assembly, test, packaging or other applications. Park Snap feature lets you disconnect wrist strap cord when leaving the workstation without alarm sounding. Audible and LED visual alarms activate instantly when failure occurs, allowing immediate corrective action.
No. DES-19226\$136.94

3M

Charge-Guard™ 724 Work Station Monitor

Continuously monitors resistance of work surface, operator and wiring connections. Uses operator's skin resistance to determine if system is operating properly. Monitors a visitor to the workstation as well as primary operator. Includes 732 remote jack. Wrist straps sold separately.



733: Dual remote splitter kit for use with 724 monitor. Offers the versatility of grounding and monitoring two workers at independent workstations in close proximity.

No. 3MM-724	724 Constant Monitor	\$167.43
No. 3MM-733	733 Remote Input Jack	\$36.59

3M

Charge-Guard™ Accessories

- 3033 Snap fastener, male, .125" hole - for all Velostat™ mats.
- 3034 Snap fastener, female, .125" hole - for all Velostat™ mats.
- 3038 Uninsulated alligator clip, fits standard banana plug.
- 3040 15' Ground cord - Molded-in male snap fastener with integral 1 MegΩ resistor on one end and solderless terminal on the other. Use to connect mats and runners with building ground.
- 3042 Wrist strap grounding system. Grounds 2 wrist straps and conveniently mounts beneath edge of most work benches. Comes complete w/ 10' ground cord.
- 3043 5' interconnect cord - Molded-in male snap fastener at each end. Use to connect mats and runners to each other.
- 3048 Wrist strap/table mat grounding system. Easily snaps onto mats and runners; grounds 2 standard wrist straps. Comes complete with ring connector and 15' ground cord.
- 3050 Snap fastener, female - for 8200 Series mats and runners.



No. 3MM-3033	3033 Snap Fastener, Male	\$11.71
No. 3MM-3034	3034 Snap Fastener, Female	\$11.71
No. 3MM-3038	3038 Uninsulated Alligator Clip	\$15.94
No. 3MM-3040	3040 Grounding Cord, 15-ft.	\$16.14
No. 3MM-3042	3042 Wrist Strap Grounding System	\$25.80
No. 3MM-3043	3043 Interconnect Cord, 5-ft.	\$14.32
No. 3MM-3048	3048 Wrist Strap/Table Mat Grounding System	\$23.25
No. 3MM-3050	3050 S-C Snap Fastener, Female	\$16.28

3M

790 Continuous Static Workstation Monitor

Mount this small, cost-effective unit anywhere to monitor static electrical buildup. Two wrist strap input jacks let two people use a workstation simultaneously. Features: Audio and visual alarms; Pre-select voltages: 1V, 3V, 6V, 9V; Static dissipative plastic housing. Specs: Input: 120VAC ±10%; Output: 25VDC @50mA rated load; Ground disconnect: 10Ω ±20%. Includes: 790 static monitor, 790 AC adapter, Dual Lock™ mounting fasteners and one two-wire connector. One-Year Warranty. (USA) (Works with 3M dual wire wrist straps only)
No. 3MM-790\$93.87



Monitor Stand-By Jack – Disconnect ground cord from wrist band and leave workstation without deactivating static monitor.
No. 3MM-3057\$16.07

ESD Monitors/Testers

NEW!

B Botron Co Inc.

Elite Sentinel Dual Wrist Strap Monitor

New state-of-the-art device independently monitors two operators and the work surface for ESD events simultaneously. Continuously evaluate and visually track the actual resistance and voltage with on-screen digital readouts and sliding scales. Collect and compare real-time data to help predict and prevent equipment failures and potential ESD events. Hard ground warning system alerts you if resistance to ground falls below the required 1MΩ safety limit. Two Circuit Intrusion Monitoring inputs let you detect excess voltage transferred to the circuit board.

- Built-in Variable Test Resistance software calibration system
- Large 128 x 64 graphical display
- Visual operator status LED
- Event indicator
- Dual wire system
- Relay output control

Includes: (2) operator remote boxes, (2) RJ11 data cables, (2) CIM cables, and 12V power supply.
No. BOT-B92900.....\$710.00



3M Iron Man™

Workstation Monitors

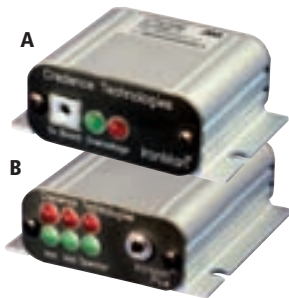
Measures voltage from soldering irons and metal tools directly on board during assembly, and provides audio and visual alarm of an EOS event. Iron Man Plus adds monitoring of wrist strap and mat for complete EOS and ESD protection.

Iron Man monitor

A. No. 3MM-CTC330-WW\$126.50

Iron Man Plus monitor

B. No. 3MM-CTC331-WW\$216.10



3M

WS Aware Dual Workstation Monitor

Provide constant ESD monitoring for two soft grounds (such as wrist straps or mats) and EMI monitoring for two metal grounds (such as tools). Adjustable alarm threshold to meet ANSI/ESDA S20.20 or ANSI 6.1 requirements. Optional WS Big Brother monitor detects operator's presence within arm's reach from the workstation, and sounds alarm if operator isn't grounded.

WS Aware Continuous Dual

No. 3MM-CTC061-3-242-WW\$472.64

WS Aware Big Brother Monitor

No. 3MM-CTC061-3-243-WW\$532.00



3M

EM Eye Meter

Universal handheld device measures ESD events, EMI and RF signals all in one instrument for comprehensive assessments on the spot. ESD events sensor identifies steps in the process where ESD events occur and verifies if ESD controls are functioning as designed. EMI sensor detects and measures transient signals minimizing interference with normal operation of sensitive equipment. RF signal sensor detects reception of transmitted signals for exceptional sensitivity and true RF input. Touch screen color display. Memory card for data logging.

No. 3MM-CTM048-2128\$4474.40



DESCO

Battery-Operated Wrist Strap Tester

For use with single wire wrist straps per ESD TR53. Battery-powered 9 volt tester – no adapter needed. Test results include Fail Low, Pass, and Fail High – if wrist strap fails, the operator will know if the failure is too high or too low.
No. DES-19240\$102.35



B Botron Co Inc.

Elite Dual Independent Footwear & Wrist Strap Tester

Tests wrist straps and ESD footwear. Large 128 x 64 digital display indicates Pass, Fail High, Fail Low so the operator knows how close they are to failure. Audible alarm sounds when test fails.

- Programmable default test setting
- Large display shows actual resistance values and PASS or FAIL status
- On-screen set-up instructions
- Colorful LED illuminates the color and image of the test result
- 30V test allows for a more accurate test
- Variable test resistance can be manually programmed for hi and lo ranges

Elite Tester

No. BOT-B89000\$937.50

Footplate and Stand Only - Includes 10' power cord

No. BOT-B89200\$300.00



3M

Wrist Strap Tester

Compact unit uses either battery or AC power. Will test the entire wrist strap system while being worn or can test the individual components to isolate an identified fault condition. Battery light replacement indicator. Comes with AC adapter and long-life lithium battery. Calibrated.
No. 3MW-746\$240.52



3M

Wrist Strap and Footwear Tester

Stationary unit for wall mounting. Tests wrist straps, conductive shoes, heel and toe grounding straps. 4 resistance levels available for testing. Tests condition of wrist bands and ground cords, allowing faulty components to be isolated. 2 measurement circuits with 20V open test voltage incorporated for both wrist strap and shoe test applications. Microprocessor control has digital open collector output for interfacing with a computer or control devices such as audible alarms or electronic door opening systems. 1-year warranty. Calibrated.
No. 3MM-740-C\$625.99



DESCO

X3 Combo Tester

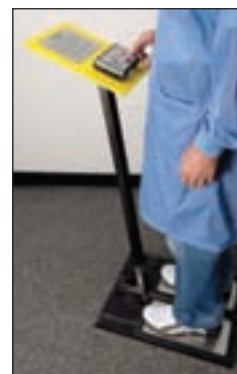
Simultaneously test wrist strap and foot wear in up to 3 seconds to reduce time spent testing personal grounding devices used in ESD control plans. Split foot plate for testing foot grounders (or shoes) allows both foot grounders be tested independently at the same time. Solid-state touch test button with no moving parts increases accuracy of testing and lifetime of product. Thirty volt test signal provides accurate tests that are not humidity dependent. Footplate is easy to clean and maintain.

X3 Tester with Dual Plate

No. DES-19276\$761.25

X3 Tester with Stand (shown)

No. DES-19277\$897.75



SAME DAY SHIPPING!
Your local California Based Supplier

ESD Accessories



Traditional

Hallmark

Econoshield™



ESD Garments

Available in a variety of styles, static control fabrics and colors. The Econoshield™ 3/4-Length is lightweight, durable static shielding for use when grounding the garment is not required. The Traditional style comes in coat or jacket lengths. Set-in sleeves, roomy patch pockets and snap-adjustable sleeve ends give a professional look. The Hallmark hip length coat uses a cuff that acts as a wrist strap for body grounding. A standard ground cord connects to a 1/8" male snap on the hip pocket and grounds the operator. Raglan sleeves and no collar. Due to manufacturing requirements, there is a 10 piece minimum order.

Econoshield-Blue

No. TEW-LEQ-43-XS	X-Small	\$25.71
No. TEW-LEQ-43-S	Small	\$25.71
No. TEW-LEQ-43-M	Medium	\$25.71
No. TEW-LEQ-43-L	Large	\$25.71
No. TEW-LEQ-43-XL	X-Large	\$25.71

Econoshield-White

No. TEW-LEQ-13-XS	X-Small	\$30.50
No. TEW-LEQ-13-S	Small	\$30.50
No. TEW-LEQ-13-M	Medium	\$30.50
No. TEW-LEQ-13-L	Large	\$23.40
No. TEW-LEQ-13-XL	X-Large	\$30.50

Traditional Coat-Blue

No. TEW-LOC-23-XS	X-Small	\$37.14
No. TEW-LOC-23-S	Small	\$37.14
No. TEW-LOC-23-M	Medium	\$37.14
No. TEW-LOC-23-L	Large	\$37.14
No. TEW-LOC-23-XL	X-Large	\$37.14

Traditional Jacket-Teal

No. TEW-LOJ-83-XS	X-Small	\$32.86
No. TEW-LOJ-83-S	Small	\$32.86
No. TEW-LOJ-83-M	Medium	\$32.86
No. TEW-LOJ-83-L	Large	\$32.86
No. TEW-LOJ-83-XL	X-Large	\$32.86

Hallmark-Blue

No. TEW-HOJ-23C-XS	X-Small	\$40.00
No. TEW-HOJ-23C-S	Small	\$40.00
No. TEW-HOJ-23C-M	Medium	\$40.00
No. TEW-HOJ-23C-L	Large	\$40.00
No. TEW-HOJ-23C-XL-DS	X-Large	\$40.00

DESCO

Clip-On ESD Badge Holders

- Highly visible with yellow header and ESD protective symbol allowing people to immediately know the badge holder is ESD protective.
- RTT: 1 X 10E10 ohms per ANSI/ESD S11.13
- Tribocharging: Less than 100 volts
- Available in horizontal and vertical, clip or no clip. (USA)



Clip-On ESD Badge Holder, Vertical, 2-11/16" x 3-11/16", 10pk	No. DES-07300	\$13.50
Clip-On ESD Badge Holder, Horizontal, 3-7/8" x 3-11/16", 10pk	No. DES-07301	\$13.50
Clip-On ESD Badge Holder, Horizontal, 4-1/4" x 2-15/16", 10pk	No. DES-07302	\$13.50
Clip-On ESD Badge Holder, Horizontal, 4-5/16" x 3-3/8", 10pk	No. DES-07303	\$13.50
ESD Badge Holder Proximity Card, Vertical, 2-11/16" x 4-3/8", 10pk	No. DES-07304	\$12.00
ESD Badge Holder Proximity Card, Horizontal, 3-15/16" x 3-1/16", 10pk	No. DES-07305	\$12.00

DESCO

Static Dissipative Binders

Three-ring binder is made from 16-mil static dissipative vinyl, heat sealed onto a cardboard stiffener. ESD protective symbol is hot stamped on the front cover and spine.

No. DES-07405	Dissipative, 1/2" Binder	\$15.24
No. DES-07410	Dissipative, 1" Binder	\$16.56
No. DES-07415	Dissipative, 2" Binder	\$20.57
No. DES-07420	Dissipative, 3" Binder	\$25.79

3-Ring Dissipative Binders with Clear Pockets

- Clear overlay pocket – Insert your own covers or documents into the clear pocket for easy viewing.
 - 2 interior pockets for additional storage
 - Low charging antistatic – minimal charge generation
 - 3-Ring loose leaf format for standard 8-1/2" x 11" paper
- | | | |
|---------------|---|---------|
| No. DES-07430 | 3-Ring, Dissipative, w/Clear Pocket, 1/2" | \$17.83 |
| No. DES-07431 | 3-Ring, Dissipative, w/Clear Pocket, 1" | \$19.37 |
| No. DES-07432 | 3-Ring, Dissipative, w/Clear Pocket, 1-1/2" | \$20.94 |
| No. DES-07433 | 3-Ring, Dissipative, w/Clear Pocket, 2" | \$24.07 |
| No. DES-07434 | 3-Ring, Dissipative, w/Clear Pocket, 3" | \$30.18 |

ESD Sheet Protectors

Protects ESD sensitive parts from harmful static charges generated by paper. Manufactured from 3-mil amino-free static protective clear film. Meets MIL-B-81705C, Type II requirements. Sold in 25/pkg.

No. DES-07450	\$20.84
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ESD Dispensers

MENDA

A. Amber Glass Dispenser Bottle

Protects light- and plastic-sensitive fluids.

Stainless steel pump. 4 oz. (USA)

No. MEN-35315 One-Touch Pump Top\$17.06

No. MEN-35112 Pure-Touch Pump Top\$20.38

B. Tin Can with Stainless Steel Pump

Use when strength and durability are important.

For storage of fluid not compatible with plastic. 4 oz.

No. MEN-35335\$19.31

C. HDPE w/Plastic Pump

Protects light- and plastic-sensitive fluids. Allows easy viewing of fluid and reduces odor. 8 oz.

No. MEN-35602 \$6.69

D. Conductive HDPE Bottle

Permanently conductive, with carbon black HDPE additive. Specs: Resistivity: 1×10^2 to $1 \times 10^6 \Omega/\text{sq.}$; 6 oz. bottle. Meets MIL-STD-81705B. (USA)

No. MEN-35336 One-Touch Pump Top\$19.54

No. MEN-35530 Pure-Touch Pump Top\$22.26

No. MEN-35717 Take-Along Pump Top\$24.29

E. One-touch Yellow ESD Solvent Bottle

Flask shape solvent bottle permanently dissipative.

RTG: $10E9$ ohms. One-touch pump. Yellow HDPE, 6 oz.

No. MEN-35354\$16.85

F. Natural HDPE Dispensing Bottles

One-Touch dispenser, square.

No. MEN-35305 4 oz. Bottle\$16.29

No. MEN-35309 6 oz. Bottle\$16.79

No. MEN-35312 8 oz. Bottle\$17.06



R & R LOTION

Static Dissipative Bottles

- Humidity Independent
- Non-Greasy
- Helps to Meet ESD-TR20.20-2000
- Static-Free
- No Tertiary Amines

R & R Lotion has developed a process of molding polyethylene bottles utilizing a concentrate that does not contain any Exthoxylated Tertiary Amine, which is widely used as an antistatic agent. These ESD-safe bottles have an average surface resistivity of 10^9 to $10^{10} \Omega/\text{square}$.

A. No. RRL-FD-1-ESD	2 oz. Flux Bottle w/ 26-Gauge Needle	\$6.00
A. No. RRL-FD-2-ESD	2 oz. Flux Bottle w/ 20-Gauge Needle	\$6.00
A. No. RRL-FD-3-ESD	2 oz. Flux Bottle w/ 16-Gauge Needle	\$6.00
B. No. RRL-FD-PEN-ESD	2 oz. Flux Bottle w/ Pen Tip	\$6.00
C. No. RRL-FD-BRUSH-ESD	2 oz. Solvent Dispenser w/ Brush	\$6.86
D. No. RRL-SD-4-ESD-AS	4 oz. Solvent Dispenser/Purity Pump	\$16.50
D. No. RRL-SD-6-ESD-AS	6 oz. Solvent Dispenser/Purity Pump	\$16.50
D. No. RRL-SD-8-ESD-AS	8 oz. Solvent Dispenser/Purity Pump	\$16.50
E. No. RRL-SD-4-ESD	4 oz. Solvent Dispenser/Standard Pump	\$14.00
E. No. RRL-SD-6-ESD	6 oz. Solvent Dispenser/Standard Pump	\$14.00
E. No. RRL-SD-8-ESD	8 oz. Solvent Dispenser/Standard Pump	\$14.00
F. No. RRL-SCB-32-ESD	32 oz. Spray Bottle	\$9.43

R & R LOTION

Take-Along Lock Top Bottle

Pumptop bottles are perfect where contamination is a concern. One-handed operation. Made of molded polyethylene and will not react with TCE or alcohol.

Specs: Resistance: 1×10^9 to 1×10^{10} Ohms/sq.; Static Decay: 5000V in <2 sec. @ 10% R.H.

Lock Top Bottle, 4 oz.

No. RRL-SD-4-ESD-TKING.....\$15.67



PLATO

Flux and Liquid Dispensers

A. Pos-A-Loc® Flux Bottles

Unique, no-leak design offers a convenient way to dispense specific amounts of a variety of liquids without dripping, spilling or waste. Available in ESD-safe dispensers.

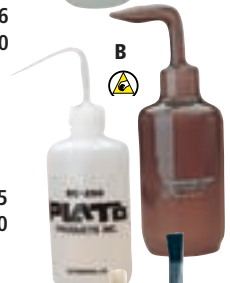
No. PLA-FD-2	.020 Std. Dispenser - 2 oz.	\$4.24
No. PLA-FD-21	.010 Std. Dispenser - 2 oz.	\$4.24
No. PLA-SF-01	.010 ESD Dispenser - 2 oz.	\$8.66
No. PLA-SF-02	.020 ESD Dispenser - 2 oz.	\$8.66
No. PLA-FDN-020	.020 Needles - 10-pk.	\$8.60



B. Angled Spout Flux Bottles

Use to safely dispense liquid at the work bench without waste. Made of polyethylene with screw cap and dispensing tube.

No. PLA-BC-250	8-oz. Std. Angled Spout	\$7.25
No. PLA-SF-250	8-oz. ESD Angled Spout	\$13.50



R & R LOTION

Cleanroom-Safe Static Dissipative Bottles

Molded polyethylene water bottles with 90 degree stem molded in. Contains no Exthoxylated Tertiary Amine. Will dissipate a static charge of $\pm 5000V$ in less than two seconds at 40% RH. Specs.: Average surface resistivity: 10^9 to $10^{10} \Omega/\text{sq.}$

A. No. RRL-WHB-8-ESD 8 oz.\$6.43

A. No. RRL-WHB-16-ESD 16 oz.\$6.71

Wash Bottles Without 90° Stem

B. No. RRL-WB-8-ESD 8 oz.\$6.00

B. No. RRL-WB-16-ESD 16 oz.\$6.51



C. Brush Scrub Bottle

Handy 2 oz. polyethylene solvent dispenser with scrub brush provides an inexpensive method to spot clean PCB assemblies. Available with either nylon bristle or stiff natural bristle.

No. PLA-SB-2N Scrub Bottle - Nylon Bristle ..\$14.12

No. PLA-SF-B2HH Scrub Bottle - Stiff Natural ..\$17.12

