



## Hot News

### 3M Brand Static Control Products Now Available through ESD Systems.com

Now as an authorized distributor of 3M, ESD SYSTEMS.com will be stocking 3M wrist straps, constant monitors, and ESD floor and table mats which can be purchased online at [www.esdsystems.com](http://www.esdsystems.com). ESD SYSTEMS.com is the largest distributor of ESD protective products in the world.



## Hot Deals

**ACT NOW - LIMITED TIME OFFER**  
Act by August 21st. Must note code E0724 on PO.

Do you need ESD smocks? Now is the time to buy.

Closeout Prices - Save up to 55% off the original price. Offer expires August 21, 2003.

For complete details, click [HERE](#).



**OFFER GOOD UNTIL AUGUST 21st!**

### Special Offer - ACT BY AUGUST 14TH

ESD Systems.com will test your bags at no charge.

Send us 6 each of any brand 8" by 10" Metal In or Metal Out ESD Bags, and we'll provide a written Test Report at no charge. Offer expires August 14, 2003.



For complete information, click [HERE](#)



## Dr. Zap

### Frequently Asked Questions About Grounding

#### What should be known about testing personal grounding devices?

While worn, wrist straps and ESD footwear should be tested at least daily with results logged. Per ANSI/ESD S20.20 Paragraph 6.2.2.2 Personnel Grounding Guidance "A log should be maintained which verifies that personnel have tested their personal grounding devices." Per ESD-S1.1 paragraph 6.1.3 Frequency of Functional Testing "The wrist strap system should be tested daily to ensure proper electrical value."



#### Why use continuous monitors?

Per ESD Handbook TR 20.20 paragraph 5.3.2.4.4 Test Frequency "Because wrist straps have a finite life, it is important to develop a test frequency that will guarantee integrity of the system. Typical test programs recommend that wrist straps that are used daily should be tested daily. However, if the products that are being produced are of such value that knowledge of a continuous, reliable ground is needed, and then continuous monitoring should be considered or even required." And per ESD-S1.1 paragraph 6.1.3 Frequency of Functional Testing "Daily [Wrist Strap] testing may be omitted if constant monitoring is used."

#### Is a grounded dissipative ESD worksurface desirable?

Per ESD Handbook TR20.20 paragraph 5.3.1.7 Electrical Considerations "[RTG is] the most important functional consideration for worksurfaces. This establishes the resistance of the primary path to ground for items, placed on the surface. When worksurface materials are being selected, consideration should be given to possible Charged Device Model (CDM) damage to ESD sensitive products. If CDM damage is a concern then setting a lower resistance limit for the worksurface should be considered. Typically, the lower limit for these types of worksurfaces is 1 X10<sup>6</sup> ohms."



To learn more about grounding, click [HERE](#)

## PRODUCT UPDATES

### New Product

#### ESD Training Video Or DVD - "ESD: See It! Believe It! Control It!"

VHS, DVD, (or PAL special order) with 23 minutes of instructional material designed for live presentation with audience interaction. This state-of-the-art training material addresses the needs of engineers and technicians to qualitatively and quantitatively understand current ESD threats to electronic components and assemblies.



[Buy Video Now](#)



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### Discounted OVERSTOCK ITEMS

While Supplies Last, up to **50% off!**



## ESD Q & A CORNER



**Q1159:** What is the difference between antistatic bags & dissipative bags?

[see ANSWER 1159](#)

**Q1160:** Question with the abundance of PC screens on production floors. What are the guidelines to ensure fields created from front, back and sides do not corrupt ESDS items? Is there a minimum distance these monitors should be kept away from ESD sensitive components and assemblies?

[see ANSWER 1160](#)

**Q1161:** Does ANSI/ESD S20.20 specify how frequently to test ESD floors?

[see ANSWER 1161](#)

**Q1162:** Can Field Service personnel ground themselves by holding a grounded pole while working with ESD susceptible items and not have to use personal grounding items such as a Wrist Strap?

[see ANSWER 1162](#)

**Q1163:** How frequently should an end user measure the resistance of ESD mats and ESD protective flooring?

[see ANSWER 1163](#)

**Q1164:** I would like to know if there is any point in having ESD foot straps if you have a regular painted concrete floor? Do you know if the foot strap is still effective even if you don't have ESD floors?

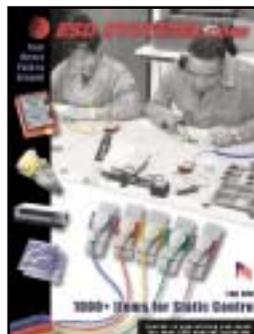
[see ANSWER1164](#)

[Find more ESD Q&As here](#)

**Do you need your own copy of our ESD Systems.com Static Control Product Catalog?**

[Click here to request your own copy](#)  
or

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## PRODUCT UPDATES



### New Product

#### 3M™ Dual Conductor Wrist Band

The 88140 Dual Conductor Wrist Band features a molded, insulative, thermoplastic, colored exterior with an integrally molded conductive interior insert and low profile faceplate design. It includes an easy on, easy off adjustable "zipper" style latching mechanism.



Click [HERE](#) for complete information.

[Buy Now](#)



### New Product

#### 3M™ Dual Conductor Fabric Wrist Band

The 88106 3M™ Dual Conductor Fabric Wrist Band is a one size band that adjusts to any size wrist to provide reliable protection. Features a band made of a silver plated, monofilament, continuous thread woven together with elastic nylon to maintain full conductivity, comfort and reliability.



Click [HERE](#) for complete information.

[Buy Now](#)



### New Product

#### 3M™ Disposable Wrist Strap

The 88100 Disposable Wrist Strap provides cost-effective and reliable static protection. It is ideally suited for shipping along with components and devices, such as memory upgrades, and sound cards, etc. The 88100 may be used for short-term use in the plant for visitors and others who don't need the durability of a reusable strap.



Click [HERE](#) for complete information.

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**Tech Briefs with Complete Installation and Maintenance Instructions are Available Online**

Product document support includes a technical brief, drawing or bulletin. These are referenced within our [on-line catalog](#) as well as listed in our [web site](#).

[Click picture to view tech documents.](#)



**Certification Information**

ESD SYSTEMS.com Training



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### Earn FREE ESD Items

[Click here for more information](#)

ESD Systems.com customers may now earn "ESD Points" towards FREE ESD Control equipment. The new ESD Rewards Program rewards customers with "ESD Points" that can be redeemed for ESD Control equipment including ionizers, testers, workstation monitors, meters, and so much more.

### EOS/ESD Symposium September 21 - 25, 2003

ESD Systems.com is participating in the 25th Annual International EOS/ESD Symposium & Exhibits Septmeber 21-25, 2003 at the Riveria Hotel, Las Vegas, NV. Booths **124-128**. Come see the most complete offering of ESD control products anywhere!

For more information and access to the complete program, go to the web site: <http://www.esda.org/symposia.html>

This is a free monthly eNewsletter, which specializes on issues in electrostatic control in the semiconductor/electronics workplace and is best viewed while connected to the Internet.

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### New Product

#### 3M™ Dual Conductor Metal Wrist Strap

The Dual Conductor Metal Wrist Strap features a long lasting metal expansion band for use in clean rooms and applications requiring extended band life.



Click [HERE](#) for complete information.

[Buy Now](#) 



### New Product

#### 3M™ Dual Conductor Workstation Monitor

The 88000 3M™ Dual Conductor Workstation Monitor continuously verifies the resistance of the operator and worksurface grounding connections. It uses a reliable resistance method that actually includes the operator's skin resistance to determine if the system is operating properly.



Click [HERE](#) for complete information.

[Buy Now](#) 



### New Product

#### 3M™ Static Dissipative Three Layer Floor Runner

The top layer is durable static dissipative vinyl, which has sufficiently low resistance to discharge static-laden conductors, yet will prevent the shorting of pins on the backs of printed circuit boards laid on the mat.



The middle layer is a highly conductive scrim that provides the main discharge path to ground. The bottom layer is static-dissipative foam, providing a durable non-skid cushion.

Click [HERE](#) for complete information.

[Buy Now](#) 