

ESD Protective Products

Storage Container Systems



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- ▶ ESD damage costs electronic component manufacturers billions of dollars every year
- ▶ ESD damage often goes undetected until the components are in use in the field
- ▶ ESD-safe containers protect these products by reducing the risk of static discharge



ESD Protective Products

- ▶ **XL** - conductive polypropylene; permanent properties.
- ▶ **SD SMC** - dissipative thermoset polyester (Plexton®); permanent properties.

Property	Test Method Units	Conductive Material	Dissipative Materials	
		XL	LS	SD SMC
Surface Resistivity	ASTM D257 (ohm/square)	$<1.0 \times 10^5$	$\geq 1.0 \times 10^9$ $<1.0 \times 10^{12}$	$\geq 1.0 \times 10^5$ $\leq 5.0 \times 10^9$
Surface Resistance	EOS/ESD S11.11 (ohms)	$<1.0 \times 10^4$	$\geq 1.0 \times 10^8$ $<1.0 \times 10^{11}$	$\geq 1.0 \times 10^4$ $\leq 5.0 \times 10^8$
Static Decay	FTM-101B Method 4046.1 (seconds)	<2 seconds	<2 seconds	<2 seconds
Temperature Range	°F	40° F to 225° F		

Note: At upper end of temperature range, intermittent use is recommended.

ESD Protective Products



- ▶ Provides product protection from static electricity and electrostatic damage
- ▶ Materials designed to absorb the charge and pass it to the ground, bypassing the contents of the container
- ▶ ESD materials conform to ANSI/ESD S20.20*2007 requirement for ESD packaging
- ▶ Materials also conform to the static decay requirement of FTM-101B, Method 4046.1

ESD Protective Product Styles



- ▶ Divider Boxes
- ▶ Parts Bins
- ▶ Shelf Bins
- ▶ Metal Storage Systems
- ▶ Trays and Tray Carts

ESD Options & Accessories

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- ▶ Conductive-painted dolly for DC3000 series

- ▶ Antistatic cardholders for Divider Box line

- ▶ Conductive covers for PB20-XL and PB30-XL



ESD Typical Uses - Processes

- ▶ Circuit Board assembly
- ▶ Work-in-process
- ▶ Storage
- ▶ Conveying



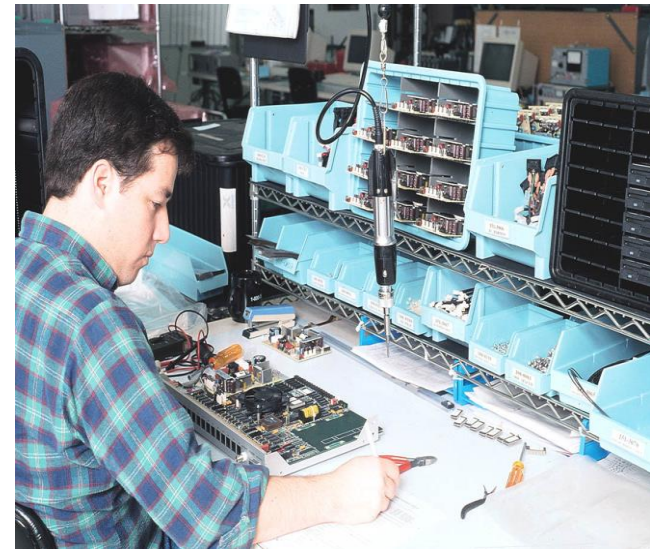
ESD Typical Uses - Industries

Industrial machinery and equipment
Electronic and other electric equipment
Transportation equipment
Transportation services



Decision Makers

- ▶ Electronic Engineers
- ▶ ESD Engineers
- ▶ ESD Coordinator
- ▶ Process Engineers
- ▶ Industrial Engineers
- ▶ Packaging Engineers
- ▶ Purchasing Dept.



Contact Information

Storage Container Systems

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