

EOS/ESD Management Assessment – 3M Can Do More

Traditional ESD surveys have been around for many years; however, they are not keeping pace with the current demands in electronics manufacturing. Components continue to become more sensitive, production environments more demanding, and Class 0 handling operations more common. The process of controlling your EOS/ESD environment requires the latest technology to adequately deal with these requirements.

3M diagnostic instrumentation finds and measures actual ESD events and EOS (electrical overstress) situations, instead of simply assessing the potential for such events. Our products capture real data affecting your products versus only verifying whether or not precautionary tools are functioning properly.

3M offers instrumentation to measure and neutralize events at your workstation in the following ways:

- **ESD Events:** Measure ESD events and EMI
- **Wrist Strap Monitors:** Measure resistance and operator voltage
- **Ground Monitors:** Measure ground impedance and EMI on ground
- **Air Ionization Systems:** Neutralize static charge and monitor static decay rate and ion balance

It is not enough to only search for Human Body Model (HBM) events. Workstation and production equipment must also be examined for issues caused by Charged Device Model (CDM) and Machine Model (MM) static events. 3M has the technology, products and expertise to help you identify and begin properly managing these problem sources.

The 3M EOS/ESD Management Assessment will assist in helping your company become more competitive in the marketplace by reducing your losses due to EOS/ESD events. The assessment will help your company address concerns or problems associated with EOS/ESD events. By minimizing or eliminating these events, your yields will likely be improved, leading to possible cost savings and increased customer satisfaction.

Contact your 3M Static Control Distributor today for information on having a 3M EOS/ESD Management Assessment conducted in your facility.



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3M™ EM Eye Meter



3M™ Iron Man Workstation Monitor



3M™ Ground Pro Ground Integrity Meter



3M™ Benchtop Air Ionizer 963E