



EOS/ESD Assessment

Is your ESD Program Working? Let us Verify it...

Traditional ESD surveys have been around for years, measuring that individual static control products are within ANSI/ESD S20.20 requirements. These surveys are helpful in setting up a new ESD program. However, they are not keeping pace with the current demands in electronics manufacturing. The SCS EOS/ESD Assessment goes beyond the typical survey to help you identify and address both EOS and ESD problems.

During an SCS EOS/ESD Assessment we provide quantifiable data to allow you to make improvements to your ESD process by sampling select areas in your facility and provide a written Assessment Report that will include numeric findings, gaps between the program and industry standards ANSI/ESD S20.20 and IPC-A-610E, references to best practices, and recommendations for improvements.

The SCS EOS/ESD Assessment will identify if ESD Events are happening anywhere in your ESD Process. With exclusive diagnostic tools we can go through your process from receiving, tool crib, automated insertion, manual insertion, final assembly, testing, QC and packaging to determine if there are any EOS or ESD Events happening which may be potentially damaging your product.

Our Assessment Measures:

- **ESD Events (Electrostatic Discharge)**
 - Counts the Events during a given time period
 - Shows the magnitude of the event
 - Will provide actual data
- **Electrical Overstress (EOS)**
- **Ground Integrity**
- **And More**



**SCS specialty measurements*

SCS diagnostic instruments used during the EOS/ESD Assessment can find and measure actual ESD events that are occurring throughout your process. SCS Test Equipment can capture real EOS/ESD measurements that could affect your product reliability that are not typically identified during a traditional ESD survey.

Examples of actual feedback from a SCS EOS/ESD Assessment Report:

- Two ESD events stronger than 50 volts CDM were observed at tool #5
- An ESD event of 527 volts was detected at 2:23PM between the fluxer and wave solder machine
- Bench 12 soldering iron is introducing more than 300mV of electrical overstress into the board, exceeding the recommended limit by IPC-A-610E

Contact Diverse Electronics today for information about scheduling an EOS/ESD Assessment of your facility at no charge.



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