SCS

Static Management Program (SMP)

Real-Time Control for Real-Time Production.
The SCS Static Management Program provides end-to-end support for an effective Electrical Overstress/Electrostatic Discharge (EOS/ESD) control program. With a full complement of product, software and service solutions, the Static Management Program by SCS is designed to give you the real-time performance data that can help you gain process savings, quality improvements and higher yields. Proprietary SCS Static Monitoring Software continuously monitors static control systems at all stages of the manufacturing process. This four-part program offers the peace of mind that comes from knowing your products – and your reputation – are protected.

1. Facility Assessment
SCS-certified EOS/ESD professionals conduct a thorough evaluation of your manufacturing facility to determine where static events are occurring or may occur.

- Before starting the assessment, we work with you to set goals and help to identify relevant industry standards by conducting a situation analysis of your facility.
- A detailed facility assessment consists of five general types of measurements:
    – Impedance to ground and EMI voltage (noise) on ground
    – ESD events at production tools and benches
    – EMF on production tools and benches
    – EOS on boards
    – Work surfaces, benches, wrist straps, flooring and other items are tested for correct function and connection

- A formal report will be provided and includes the following information:
    – List of equipment used during the assessment
    – Numeric findings from tested parameters
    – Major/minor noncompliance issues per bench and automated tool
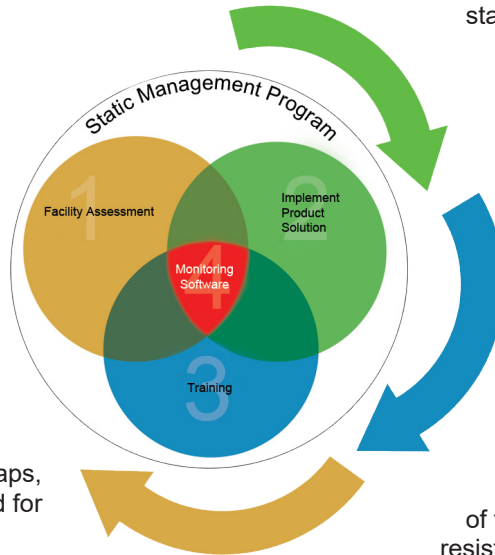   – Recommended solutions

2. Implement Product Solutions
SCS helps you to ensure proper installation and implementation of the static control products you select after the assessment. Instrumentation, Workstation, Packaging and Flooring products work to complete your static management program.

3. Training
SCS offers training tailored to your business and staff. Detailed technical training is conducted face-to-face for engineers and supervisors. SCS online training is available for costeffective operator training.

4. Continuous, Real-Time Monitoring and Support
The core of the SCS Static Management Program is the proprietary SCS Static Monitoring Software. This software links data from SCS workstation, equipment, ground and personnel monitors, providing you a real-time picture of the critical parameters in your process. Voltage, resistance, and actual ESD events are captured, enabling alarm levels set by you to alert staff, so they can investigate and take quick action to prevent or mitigate damage. Collected data allows your engineers to look for the root cause, and allows you to show management and customers proof of your ESD Control Program's success. SCS experts are available to offer remote or on-site technical and diagnostic support. We also offer ongoing calibration and repair services to help ensure your static control system is operating properly and your environment remains protected.

Static Management Program
Facility Assessment — 1
Implement Product Solution — 2
Monitoring Software — 4
Training — 3

How do you know?
Traditional ESD surveys have been around for years; checking connections to insure that static control products are working. But how do you know if static discharge is still happening? SCS instruments can capture real EOS/ESD measurements that could affect your product reliability. Instead of assuming ESD safety because a survey shows that static control products are functioning properly, you can have real data. The SCS monitoring software can put this data in the hands of your production and technical staff where they can use it effectively. That's how you know.
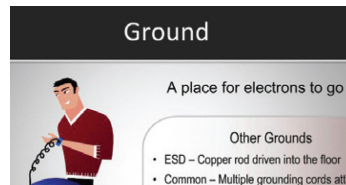

1. Facility Assessment
- Examine the current state of production
- Know the levels of static and overstress
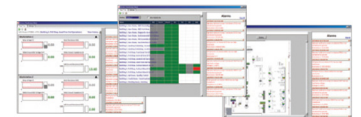- Set the goals for the program

2. Implement Product Solutions
- Select the products that fit the program goals
- Install the products correctly

3. Training
- Train staff to use to the products
- Insure proper handling procedures

4. Continuous, Real-Time Monitoring and Support
- Get real-time data that shows how the program is working
- Know the levels of static in real-time, by area, or by product
- Have the data to answer customer and management questions about your products and process