

How to Protect an ESD Workstation

An ESD Workstation is a work area with materials and equipment that limit electrostatic voltages and ESD (electrostatic discharge). The first step is to ground all components of the work area (work surfaces, people, equipment, etc.) to the same electrical ground point called the “common point ground.” While it is recommended to take every precaution available to control static, not all the ESD steps below may be necessary for basic ESD protection. Your work station may not require all these items. Call Transforming Technologies for help designing your ESD workstation



ESD Protection Steps

1. ESD Table Mat

A work surface that dissipates static from conductive items placed on it. Commonly made from durable materials such as rubber, vinyl or laminate. A grounding snap should be installed in the mat every 10 ft.

2. Common Point Ground

Used for grounding ESD mats and provide a path to ground for operator wearing wrist straps.

3. Wrist Band and Coil Cord Set

Safely grounds a person working at a workstation. It is connected to ground through a coiled cord and the common point ground.

4. ESD Floor Mat

ESD floor mats dissipate static charges from conductive items placed on it. It is best used for mobile personnel that can not be tethered to one location. A snap should be installed in the mat every 10 ft.

5. ESD Floor Mat Ground Cord

Provides a path to ground for an ESD floor mat. Connects to the mat via a grounding snap.

6. ESD Heel Grounders

Worn on each shoe to connect a walking or standing person to ground.

7. Constant Monitors

These electronic devices continuously monitor the path to ground of a wrist strap, work surface and other grounded components on a workstation. Eliminates the need to test wrist bands and protects against ground failures.

Choose Your Steps:

8. ESD Jackets

Provide shielding from static charges on your clothing. A “Hip-to-Cuff” grounding system ensures proper grounding without requiring wristbands being worn that can inhibit your movement.

9. ESD Equipment Testers

ESD wrist strap and heel grounders, like any equipment used every day, can wear. Ensure these items are in proper working order with ESD Equipment testers.

10. ESD Ionizers

Ionizers protect electronic devices from electrostatic potential that wrist straps, bench top mats just can't eliminate.

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