



Electro-Static Discharge (ESD)
Awareness, Prevention & Consultancy

Awareness & Prevention

Training Objective:

To have an understanding on the causes of Electro-Static Charge/Discharge in the workplace, & the potential effect on customer products. Understand how Electro-Static Charge & Discharge are minimised, or prevented.

Who should attend:

All personnel who handle Electro-Static Discharge Sensitive (ESDS) devices, within the manufacturing facility, from the receipt of electronic components, through to production assembly, test, cleaning, coating, inspection & to the shipment of the finished product.

Supervisors, & personnel who enter the ESD controlled environment, including management & cleaning staff, may also have the need for training.

Certification

On successful completion of the course and a multi choice questionnaire (optional), trainees will be awarded a 'STEM Training' course certificate.

The Program

The course is provided by a Certified IPC Trainer (CIT), in a lecture room type environment, with the aid of PowerPoint slides, flipcharts, material examples, demonstrations & an ESD film.

The training runs in accordance with **ESD S20:20 & BS-EN-61340-5-1** standards.

Generally the course will run for a couple of hours or so, depending on your company requirements & the candidates existing knowledge.

Program Content:

- Effects of ESD on electronic components & products
- ESD sensitivity of electronic components
- The cost of ESD in the workplace
- Basic knowledge of electrostatic charge & discharge
- ESD generation in the workplace
- ESD Protected Area (EPA), equipment & workwear
- Identification of ESD Sensitive devices (ESDS) & protective packaging, (packaging examples provided)
- Special handling procedures
- Periodic checks
- Review
- Multi-choice open book test (optional)

Training Facility:

This course is theory based, with relevant demonstrations, & will therefore require a training/meeting room (or quiet area of the facility).

ESD Consultation

If you require help in finalising or setting up your 'ESD safe' facility, then we can audit your area, raise an ESD control program, & advise on the required changes, to meet the international standards **ESD S20:20 & BS-EN-61340-5-1**. STEM Training can cross train your selected ESD Coordinator/s, & train maintenance staff up, for the testing of the ESD safe facility (Bench tops, floors, earth paths etc). Please enquire for further details.

