

Hand Soldering and Rework (including HMP Soldering)

Code: HMP

Duration: 15 Hours

Synopsis:

Participants will go through a comprehensive soldering training. They will learn on solder using tin/lead or lead-free solders, which also includes rework; the hands-on workshop covers basic solder of terminals and post, through-hole components and surface mount components.

Participants also will gain the knowledge of using high melting point (HMP) solder where electronic manufacturers need to apply HMP technique in most of the manufacturing situations.

Course Outline:

This course will cover:

- Introduction to Assembly, Handling, Contamination and ESD Awareness
- Materials and Tools
- Care and Maintenance
- Safety Precautions
- Cleaning and Inspection
- Soldering techniques – Through-hole Components hand soldering
- Removal and replacement of components
- Soldering techniques – Surface Mount Components hand soldering (Chip, Cylindrical, Gullwing, and J-Lead Components)
- Workmanship Standards - accept/reject criteria
- Conduction and convection removal and replacement techniques
- Practice

For Whom:

Suitable for those who have some soldering experience and looking to improve their techniques.

Training Medium:

This course is conducted in English.

Training Methodology:

This course is delivered through mini-lectures, hands-on and demonstrations.

Certification:

A Certificate of Participation will be issued to those who attained a minimum attendance of 75%.