



Global Tech Sales & Services

Service, Sales, Parts and Engineering Solutions to the Industry

Basic SMT

This course will provide the student the basic knowledge, the practice and experience, required to learn the SMT Basic Assembly Process, including the Wave Soldering Machine, which will allow him (her) to operate the machines and obtain assemblies that comply to the Electronic Industry specifications.

The student will be familiar with SMT and PTH processes. Our courses and seminars offer a valuable practical achievement, following the PBET standards. Each participant, after satisfactory completion of all course objectives, will receive a Competence Certificate.

Objectives: Utilizing a Screen Printer Machine, Reflow Oven, Wave Solder Machine, Tools, documentation, PCB's, Stencils and any other required instruments or articles, as well as the Instructor's demonstration, the student should:

- Follow manufacturer safety standards.
- Identify the four elements of printing with stencils.
- Utilize printing machine menus and options.
- Know soldering paste characteristics, processes and controls.
- Know soldering paste proper handling.
- Handle stencils design for soldering paste and adhesives.
- Know adhesive printing process.
- Know all soldering operation terminology, definitions and purposes.
- Know flux types and characteristics.
- Know soldering reflow process.
- Know wave soldering machine operation and components.
- Know how detect, prevent and resolve SMT process problems.

The Student should develop these functions according to MPM standards. Some of the options or functions will depend of equipment type.

Pre-requisites: NONE

Required Equipment: Screen Printer Machine, Reflow Oven, Wave Solder

Duration: 4 Days

Schedule: Flexible