



# *Global Tech Sales & Services*

Service, Sales, Parts and Engineering Solutions to the Industry

## **SMT Solder Reflow**

This course will provide the student the basic knowledge, the practice and experience, required on the SMT Reflow Soldering Process, which will allow him (her) to operate the oven, generate programs and obtain solders that comply to the Electronic Industry specifications.

The student will be familiar with solder and flux characteristics, processes and controls. 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 Reflow Oven, Profiler, documentation, PCB's with solder paste printing, any other complementary instruments or articles, as well as the Instructor's demonstration, the student should:

- Follow manufacturer safety standards.
- Know all soldering operation terminology, definitions and purposes.
- Know all soldering joint types.
- Utilize printing machine menus and options.
- Know soldering paste characteristics, processes and controls
- Know flux types and characteristics.
- Program soldering reflow process profiles.
- Know all flux types and characteristics.
- Program profiles in the reflow oven.
- Know how detect, prevent and resolve solder problems.
- Know reflow oven operation, components and controls.
  - Machine elements
  - Function and controls
  - Reflow process
  - Process setup
  - Temperature profiles
  - Thermocouples
- Process error free PCB's

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

Pre-requisites : Technician or Engineer

Machines: Reflow Oven

Duration: 3-4 Days

Schedule: Flexible