



Global Tech Sales & Services

Service, Sales, Parts and Engineering Solutions to the Industry

Wave Solder Process

Principles, Analysis and Troubleshooting

Wave Solder Theoretical and Practical Training Process, with products, materials and actual client processes. Based on SMT and to IPC-Standards requirements. The client should provide a classroom, a computer projector and a blackboard.

Manuals are included for this class.

Aimed at: Process, Maintenance and Quality Engineers and Technicians.

Agenda:

1. Wave Solder Process
 - Overview
 - PCBs, types, materials, surface finishing, purposes and applications
 - Terminology
2. Wave Solder Process
 - The Flux
 - Preheating
 - Thermal Profile
 - Solder joint performance / formation
 - Metal alloys theory
 - Dynamic wave solder process
 - Physical Characteristics of wave soldering within the Dynamic Process
 - Set-up adjustments, DOEs
 - Process Troubleshooting
3. Process Control
 - Yields, PPMs, DPMOs Calculations
4. Quality Requirements
 - Client quality requirements
5. General knowledge test

Required Equipment: Wave Solder machine for the 'hands-on' training and online practices

Duration: 4-5 Days

Capacity: 6-8 students per group