

INTERNAL TRAINER TRAINING FOR SOLDERING OPERATOR TRAINING AND FURTHER EDUCATION

Professional Training Course

Location: Microsolder Kft. Training Room, 1037 Budapest, Kiscsillag u. 18

We can also organize this course on-site outside the indicated dates upon request.

Course Objective:

To establish or expand participants' knowledge related to the instruction, training, and continuous education of hand soldering operators, ensuring they are properly prepared to perform high-quality, serial hand soldering tasks.

Course Method:

Theoretical and practical training in Hungarian/English, accompanied by a slide presentation, following the principles set out in IPC standards.

Participants will have the opportunity to discuss practical issues they encounter and receive consultation.

Who Is It For?

Staff members involved in training or retraining soldering operators for hand soldering operations during circuit board assembly processes, or those responsible for supervising, managing, or inspecting such activities.

Curriculum (Total Duration: 2 Days, 16 Hours)

A. Theoretical Training (8 hours)

1. General Soldering Knowledge

- Basic concepts and principles of soldering technology
- The process of creating a soldered joint
- Types and characteristics of solders
- Purpose, types, and properties of fluxes
- Acceptability criteria for soldered joints

2. Hand Soldering Technology

- The operator's role and importance in the quality assurance process
- Structure and range of soldering tools; selection and handling of soldering tips
- Materials and auxiliary substances used
- Correct execution of hand soldering
- Common hand soldering errors, their causes, and how to eliminate them
- Inspection of hand soldering
- Occupational safety aspects in hand soldering

3. Training Content and Methods

- Materials and methods for theoretical training
 - Materials and methods for practical training
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B. Practical Training (8 hours)

- Task overview
 - Demonstration of task execution
 - Practice exercises
 - Evaluation of task execution
 - Practicing necessary corrections if needed
 - Re-evaluation of task execution
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Knowledge Assessment and Certification:

Written final test, minimum passing score: 70%.

Correct execution of practical tasks, with soldering results acceptable according to IPC-A-610 Class 3.

Participants who meet the requirements will receive a written certificate of course completion. The course will run with a minimum of 3 participants.

Microsolder Kft. is an IPC member, an authorized IPC distributor, an authorized IPC training center, and an IPC QML (Qualified Manufacturer Listing) auditor.