

SOLDERING OPERATOR TRAINING AND FURTHER EDUCATION

Professional Training Course

At the customer's site

Course Objective:

To train unskilled personnel in performing serial hand soldering tasks or to refresh, expand, and refine the knowledge of trained soldering operators, ensuring they correctly execute hand soldering for consistently high-quality results.

Course Method:

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

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

Who Is It For?

Staff members who are being trained or are already involved in hand soldering operations, who want to improve the quality of their work, or who are involved in supervising, managing, or inspecting hand soldering activities.

Curriculum (Total Duration: 1 Day, 8 Hours)

A. Theoretical Training (3 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

- 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, basic acceptance criteria according to IPC-A-610
 - Occupational safety aspects in hand soldering
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B. Practical Training (5 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: 60%.

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.

Microsolder Kft.

Accredited adult education institution, IPC member, authorized IPC distributor, IPC QML (Qualified Manufacturer Listing) auditor