

# Fundamentals of Selective Soldering

*Electronics Manufacturing Skills Training*



ISO 9001:2008  
CERTIFIED

## Overview

This one-day course combines lecture and hands-on demonstration of the principles and techniques utilized in this through-hole process of modern electronics manufacturing. It is an amalgamation of theoretical principles with hands-on application of those principles to provide a comprehensive understanding of the benefits of selective soldering within modern electronics manufacturing.

## Who Should Attend

Engineers, technicians, group leaders or supervisors who need to familiarize themselves with the various processes, equipment, and materials used in this through-hole process are good candidates for this course.

## Content

The training is divided into lecture and hands-on segments. The morning lecture covers the following:

- The basics of equipment set-up.
- Related parameters and how to adjust them.
- Methods for decreasing failures and maximizing solder joint reliability when utilizing selective soldering equipment and techniques.

The afternoon practical session covers hands-on demonstration and practice with sample boards to reinforce the principles and techniques covered in the lecture, as well as ways to maximize throughput by operating the equipment efficiently.

## Benefits

- This course is ideal for supervisors and senior technicians desiring to increase their knowledge of selective soldering through both classroom discussion and hands-on factory experience.
- Participants will acquire an increased knowledge of the various processes, materials, and common methods used in the selective soldering manner of manufacturing.
- Students will learn the simplicity of programming the equipment and the convenience it adds.
- When applied, these processes will save money by optimizing results to increase yield and avoiding faults before they occur.

## Duration, Registration and Pricing

Contact the training center via any of the methods provided below for scheduling and pricing of this one-day course.



ACI Technologies, Inc. • phone: 610.362.1200 • web: [www.aciusa.org](http://www.aciusa.org)  
Training Center • phone: 610.362.1295 • email: [registrar@aciusa.org](mailto:registrar@aciusa.org)  
Helpline • phone: 610.362.1320 • email: [helpline@aciusa.org](mailto:helpline@aciusa.org)

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