

MT9510 XP Machine Training

Tri-temp Pick and Place Handler



Course Description

This training material introduces the student to the MT9510 XP test handler. The training is offered in three levels from the perspective of an Operator, a Maintenance Technician and an Advanced Technician:

- Level 1 - Basic: Focused on basic operational procedures: loading/unloading parts, troubleshooting, and general equipment safety
- Level 2 - Intermediate: Maintenance focused course intended to get the student familiar with the product. Operational requirements, setup and alignment, device workflows, and mechanical/electrical diagnosis
- Level 3 - Advanced: Maintenance focused course intended to get the student familiar with the product. Complex mechanical/electrical diagnosis, motor tuning, setup and alignment

Course Outline

- Introduction and Process Overview
- Software
- Machine Platform
- Machine Input and Output
- Machine Modules
- Adjustments
- Q&A, Test, Wrap Up

Course Length

- Level 1: Basic - two days (sixteen hours)
- Level 2: Intermediate - five days (forty hours)
- Level 3: Advanced - four days (thirty two hours)

Prerequisites

- Level 2: Level 1 training and a minimum of thirty days experience with the MT9510 XP test handler
- Level 3: Level 2 training and a minimum of six months experience with the MT9510 XP test handler

Recommended

- English - written and spoken



Automotive



Mobility



IoT/IoV & Optoelectronics



Computing & Network



Industrial & Medical



Consumer

- Full tri-temp range -55°C to +175°C
- Temperature accuracy $\pm 0.5^\circ\text{C}$
- Temperature accuracy $\pm 1.0^\circ\text{C}$
- Small footprint
- Flat vertical contact site
- Large installed base

MT9510 XP Machine Training

Level 1: Basic

Day 1 -2

1 - General Operating Conditions

- Handler Safety
- Operation principle

2 - Q&A

- Q&A, Test, Wrap Up

Level 2: Intermediate

Day 1

1 - Introduction and Software

- Introduction of the Handler
- Software Overview
- Human Machine Interface
- Software Installation and Upgrades

Day 2 -5

2 - Theory of Operations

- Theory of Operations
- Module Details ATM-Input
- Module Details PnP-Input/Output
- Module Details Shuttle

3 - LN₂ and Heating

- Theory of Operations
- Electronic Hardware

4 - Conversion Kit

- Exchange
- Cleaning and Maintenance

5 - Troubleshooting

- Fault finding exercise

7 - Q&A

- Q&A, Test, Wrap Up

Level 3: Advanced

Day 1

1 - Module and Software

- Introduction
- Software
- Safety Regulations
- Module Details ATM-Input/Output

Day 2

2 - Module Details

- Module Details ATM-Input/Output cont/d
- Module Details PnP-Input/Output
- Module Details Shuttle and X-Shifter alignment

Day 3

3 - Module Details

- Module Details X-Shifter / Module Details Plunger

Day 4

4 - Maintenance and Teaching

- Module Details Plunger
- Electronic Hardware
- Temperature Calibration

Day 5

5 - Temperature Calibration/Troubleshooting

- Temperature Calibration
- Troubleshooting

6 - Q&A

- Q&A, Test, Wrap Up

Who Should Attend

- Level 1 : Operator
- Level 2: Maintenance Technician
- Level 3: Advanced Technician

Training Locations

- Level 1 - Basic: on-site customer class
- Level 2 - Intermediate: on-site customer class or Cohu training facility
- Level 3 - Advanced: on-site customer class or Cohu training facility

Customized classes and on-site customer classes are available to suit your training needs.

More Information/Registration

- Contact training@cohu.com

Training Course Catalog

- Visit our handler training catalog to view our other training offerings www.cohu.com/handler-training