

# MT9928 xm Machine Training

## High Speed Gravity Handler



### Course Description

This training material introduces the student to the MT9928 xm 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 - one day (six hours)
- Level 2: Intermediate - five days (forty hours)
- Level 3: Advanced - five days (forty hours)

### Prerequisites

- Level 2: Level 1 training and a minimum of thirty days experience with the MT9928 xm test handler
- Level 3: Level 2 training and a minimum of six months experience with the MT9928 xm 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  $\pm 2^\circ\text{C}$
- Installed base >1,300
- Multiple MEMS stimuli available
- Modular and scalable base unit - engineering to HVM
- Contacting: standard, high frequency and Kelvin

# MT9928 xm Machine Training

## Level 1: Basic

### Day 1

#### 1 - General Operating Conditions

- Handler Status Information
- Handler Startup Procedure

#### 2 - Q&A

- Q&A, Test, Wrap Up

## Level 2: Intermediate

### Day 1

#### 1 - Introduction and Software

- Introduction of the Handler
- Software Overview
- Safety
- Human Machine Interface
- Conversion Kit

### Day 2 -3

#### 2 - Theory of Operations

- Theory of Operations
- Module Details Base Unit Unloader
- Module Details Sort Shuttle

#### 3 - MT Parts and Instructions

- Parts and Instructions CD-Rom
- Electronic Hardware
- Theory of Operations - Handler/Tester communication

### Day 4

#### 4 - Temperature Regulation

- Temperature regulation
- HMI

### Day 5

#### 5 - Troubleshooting

- Software
- Troubleshooting

#### 6 - Q&A

- Q&A, Test, Wrap Up

## Level 3: Advanced

### Day 1

#### 1 - Introduction and Software

- Introduction
- Safety Regulations
- Repair

### Day 2

#### 2 - Module Exchange and Basic Alignments

- Module Exchange
- Basic Alignments

### Day 3

#### 3 - Preventive Maintenance

### Day 4

#### 4 - Software Operation

### Day 5

#### 5 - 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](mailto:training@cohu.com)

## Training Course Catalog

- Visit our handler training catalog to view our other training offerings [www.cohu.com/handler-training](http://www.cohu.com/handler-training)