

# NY20 Machine Training

## Highest Throughput for Fragile Devices



### Course Description

This training material introduces the student to the NY20 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: 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
- MMI
- Machine Platform
- Machine Input and Output
- Machine Module
- Q&A, Test, Wrap Up

### Course Length

- Level 1: Basic - one day (eight hours)
- Level 2: Intermediate - four days (thirty two hours)
- Level 3: Advanced - seven days (fifty six hours)

### Prerequisites

- Level 2: Level 1 training and a minimum of thirty days experience with the NY20 test handler
- Level 3: Level 2 training and a minimum of six months experience with the NY20 test handler

### Recommended

- English - written and spoken



Automotive



Mobility



IoT/IoV & Optoelectronics



Computing & Network



Industrial & Medical



Consumer

- 20-position Turret Test and Scan
- Autonomous operation and productivity
- Fast Conversion Time - 20 to 60 mins
- Comprehensive Cohu NVcore Inspection Solution
- 3D Flex® for True Ball/Bump co-planarity
- Full 6 Sides inspection

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## Level 1: Basic

### Day 1

#### 1 - Introduction and Process Overview

- Machine General Overview
- Device Flow and Process
- Module Description and Function

#### 2 - MMI

- Menu Navigation
- Lot Management
- Alarms
- Production

#### 3 - Machine Platform

- Machine Features
- Binning (Reject Bin/Duo/Quatro/Octo/Mega)
- Bar code Scanner

#### 4 - Machine Input and Output

- Feeding/AGL/TNLR/UniFeeder/Detaping
- Input Loader Recovery
- N-Tube/AGUL/Multitube
- Output Loader Recovery
- Taping (AFTR)
- Tape Recovery
- Tape Sealing Check

#### 5 - Machine Module

- FlipChip/Table 2P/4P/10P/20P
- XYT Recentering/Orientator
- Vision

#### 6 - Q&A

- Q&A, Test, Wrap Up

## Level 2: Intermediate

### Day 1 - 2

#### 1 - Introduction and Process Overview

- Machine General Overview
- Device Flow and Process
- Electrical and Pneumatic Overview

#### 2 - NTI.NET Software

- Software Structure
- Menu Navigation
- Sub Menu Navigation
- Debug Tools

### Day 2 - 4

#### 3 - Machine Platform

- Turret Overview
- Turret Setup

#### 4 - Machine Module Layout

- Bowl Feeding
- 4P Table
- XYT Recentering
- Orientator Recentering
- Taping (AFTR)

#### 5 - Q&A

- Q&A, Test, Wrap Up

- 20-position Turret Test and Scan
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## Level 3: Advanced

### Day 1 - 2

#### 1 - Introduction and Process Overview

- Machine General Overview
- Device Flow and Process
- Module Description and Function

#### 2 - NTI.NET Software

- Debug Tools

#### 3 - Machine Platform

- Pneumatic and Electrical
- Turret Overview
- Multifunction Bin
- Ind-Z Force Control

### Day 2 - 4

#### 4 - Turret Setup

- Turret Replacement
- Yaskawa Upload and Download
- Yaskawa Motor Tuning
- Turret Set Up
- Preventive Maintenance

### Day 5- 7

#### 5 - Machine Module Layout

- Bowl Feeder/TNLR/AGL/Unifeeder
- 4P/12P/16P Table
- XYT Recentering/Rotary
- Taping (AFTR)
- Auto Reel Changer (ARC)
- Falcon Eye

#### 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)