

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

NY20 Machine Training

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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NY20 Machine Training

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

Training Course Catalog

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