

NY32W Machine Training

Flexible Test and Scan Solution for FFC Devices



Course Description

This training material introduces the student to the NY32W 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
- 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 - five days (forty hours)
- Level 3: Advanced - ten days (eighty hours)

Prerequisites

- Level 2: Level 1 training and a minimum of thirty days experience with the NY32W test handler
- Level 3: Level 2 training and a minimum of six months experience with the NY32W test handler

Recommended

- English - written and spoken



Automotive



Mobility



IoT/IoV & Optoelectronics



Computing & Network



Industrial & Medical



Consumer

- 32-position Turret Test and Scan
- Down to 70 μm thin die handling
- KGD Automotive bare die testing
- Comprehensive Cohu NVcore Inspection Solution
 - 3D Flex® for True Ball/Bump co-planarity
 - Full 6 Sides inspection

NY32W 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
- Bar code Scanner

4 - Machine Input and Output

- Elevator
- Wafer Recovery
- Wafer Check
- Taping (AFTR)
- Tape Recovery
- Tape Sealing Check

5 - Machine Module

- FlipChip
- XYT Recentering
- Vision
- Lot Management

6 - Q&A

- Q&A, Test, Wrap Up

Level 2: Intermediate

Day 1

1 - Introduction and Process Overview

- Machine General Overview
- Module Description and Function
- Electrical and Pneumatic Overview

2 - NTI.NET Software

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

Day 2

3 - Machine Platform

- Turret Overview
- Multifunction Bin
- Turret Setup

Day 3 & 4

4 - Wafer Input Setup

- Wafer Die Align Camera
- XY-Table Setup
- Elevator and Transfer Arm Setup
- Pushpin and Head Setup
- Wafer Method

Day 4 & 5

5 - Machine Module Layout

- FlipChip
- XYT Recentering
- Taping (AFTR)
- Falcon Eye

6 - Q&A

- Q&A, Test, Wrap Up

- 32-position Turret Test and Scan
- Down to 70 µm thin die handling
- KGD Automotive bare die testing

- Comprehensive Cohu NVcore Inspection Solution
 - 3D Flex® for True Ball/Bump co-planarity
 - Full 6 Sides inspection

NY32W 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 - 7

4 - Turret Setup

- Turret Replacement
- Etel Upload and Download
- Etel Motor Tuning
- Turret Setup
- Preventive Maintenance

5 - Wafer Input Setup

- XY-Table Replacement
- Etel Upload and Document
- Etel Motor Tuning
- Wafer Die Align Camera
- XY-Table Setup
- Elevator and Transfer Arm Setup
- Pushpin and Head Setup
- Wafer Method
- Preventive Maintenance

Day 8 - 10

6 - Machine Module Layout

- Flip-Chip
- XYT Recentering
- Taping (AFTR)
- Auto Reel Changer (ARC)
- Falcon Eye

7 - 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