

# Jupiter Machine Training

## Configurable Gravity Handler for Large Devices



### Course Description

This training material introduces the student to the Jupiter 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 (eight hours)
- Level 2: Intermediate - three days (twenty four hours)
- Level 3: Advanced - four days (thirty two hours)

### Prerequisites

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

### Recommended

- English - written and spoken



Automotive



Mobility



IoT/IoV & Optoelectronics



Computing & Network



Industrial & Medical



Consumer

- Full tri-temp range -60C° to +175°C
- Easy conversion in the field
- Throughput up to 8,000 UPH
- Various contactor and MEMS options

# Jupiter Machine Training

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## Level 1: Basic

### Day 1

#### 1 - Introduction

- Introduction of the Handler
- Handler Safety
- Start Up Handler

#### 2 - Modules Introduction and Functionality

- Loader Module
- Handler Base
- Contactor
- Plunger Head
- Unloader Modules (Auto and Manual)

#### 3 - Introduction of OPI

- Operator Interface PC (OPI)
- Interface Program Sub Menu
- Reviewing Statistics

#### 4 - Contactor

- Principal of Working

#### 5 - Doing some Practice

- How to Operate the Machine
- Time for Practice

#### 6 - Building Up Confidence

- Running Parts
- Troubleshooting

#### 7 - Q&A

- Q&A, Test, Wrap Up

## Level 2: Intermediate

### Day 1 - 3

#### 1 - Introduction

- Introduction of the Handler
- Handler Safety

#### 2 - Introduction of Manual and OPI

- Manual, in Paper and on the Machine
- Service Screens

#### 3 - Kit and Plunger (Practice)

- Explanation of the Kit
- Explanation of the Plunger
- Kit Exchange

#### 4 - Taking a Closer Look into the Machine

- Fiber Optic Amplifier
- The inside of the Machine
- How are the different parts related

#### 5 - How to Adjust the Machine (Practice)

- Loader, Unloader, Adjustments
- Handler Base, Adjustments

#### 6 - Troubleshooting

- Troubleshooting

#### 7 - Q&A

- Q&A, Test, Wrap Up

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## Level 3: Advanced

### Day 1 - 3

#### 1 - Introduction

- Introduction of Handler and Training Content

#### 2 - Modules Dismantle and Adjustment (Practice)

- Auto Loader (removing and position adjustment)
- Unloader, Auto and Manual (removing and position adjustment)
- Rotary Magazine (replacing and position adjustment)
- Fan Unit (principal of working and replacing Fan Motor)

#### 3 - Replacing Spare Parts and Removing Important Assemblies

- Plunger (replacing parts, adjust track level and sensor adjustment)
- Sorter/Pivot Unit (replacing parts and replacing belts)
- Feed Shuttle (removing module, replacing parts and load/unload adjustment)

#### 4 - Temperature System

- Principal of Temperature System
- Temperature Calibration

### Day 4

#### 5 - Electrical and Pneumatic

- Location of the Modules
- Path of Signals
- Using Schematics from the User Manual

#### 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)