# **Catalina**

**Full-featured Benchtop Dispense System** 

- Automatic Vision
- Automatic Nozzle Cleaning
- Automatic Nozzle Calibration
- Laser Sensing & Profiling



A benchtop system does not mean "no features". The Catalina benchtop system is a full-featured platform with these standard features: automatic vision, laser surface sensing, and nozzle alignment.

Our semi-automatic dispensing robot provides you with accurate and repeatable dispense results. Applications using conductive adhesives, solder pastes, glues, gasketing, and more benefit from the powerful system features.

- Easy to learn, computer-based software with Windows operating system
- Automatic alignment and positioning with high resolution camera.
- Create dispense paths using camera teach or on-screen graphic editing.
- · Import DXF files for complex path programming.
- I/O ports provide the flexibility to add advanced features/ equipment.

#### **Standard Features**

#### 3D Dispensing

Laser traces the dispense path and measures surface variation, then adapts height of the dispense tip to maintain a consistent gap.

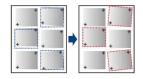
## Image Alignment

Vision system locates alignment points to account for product rotation.

# Automatic XYZ Nozzle Calibration

Locates dispense tip in X, Y, Z for accurate fluid placement.





#### Graphic Edit & DXF Support

User-friendly graphic editing to create a dispense path. 2D AutoCAD DXF files are supported.

#### Matrix Dot Dispensing

Easily duplicate a common pattern in a matrix.

#### Fill Area

Multiple types of fill area and dispense patterns. Easy to teach.

#### Dispense | Measure | Vision

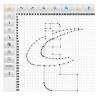
The combination of dispensing, measuring, and vision functions can reduce operating time. Distance can be measured between dots, circles, circle diameter, circle center, and stripe width.

#### Laser

Non-contact surface sensing.

## **Add-On Options**

Common Options*	Description
FPC	Real time process control for pump(s).
Heated Work Table	For heating substrates up to 70° C (158° F).
Fluid Level Detect	Notifies operator when fluid level attains set point.
* Contact GPD Global about additional options and features.	









# **Benchtop Manufacturing**

# **Pump Compatibility**

Application	Pumps / Accessories
Paste, glue, adhesive.	Precision Auger Pump
High speed, low viscosity.	Jetting Pump (NCM5000)
No drip, volumetric repeatability.	Volumetric Pump (PCD)
Simple liquid dispense applications, low-to-mid viscosity.	Time Pressure
Real time process control.	Fluid Pressure Control (FPC) for use with Precision Auger & Jetting (NCM5000) pumps, as well as Time Pressure Dispensing



# **Specifications**

#### Capacity

#### Performance

# Dimensions & Weight

#### Power

#### Environmental

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