

# FM-6A Series 6-Axis Dispensing Robot Systems

## Programming

- Load 3D models of robot/fixtures/part to simulate actual dispensing operation and check for interferences or singularities.
- Dispense paths can follow Solidworks sketches or features to simplify the programming process.
- Compatible with G-code for 3D printing.

## Application Examples

- Liquid gasket dispensing
- 3D dispensing of sealants or epoxies
- 3D printing
- Non-contact jet dispensing



## Options Available

<b>Dispenser</b>	See next page for selection of Musashi Engineering dispensers.
<b>6-Axis Robot</b>	Wide variety of FANUC 6-axis robots are available. Selected by Izumi based on application requirements.
<b>Tool changer</b>	Tool changers are available for dispensing of multiple liquids.
<b>Heating system</b>	Syringe heaters for hot melt glues and plastics.
<b>Enclosure</b>	Robot systems are provided with full enclosure conforming to required safety standards and customized for each application. Can be equipped with negative or positive pressure systems.
<b>Gap / nozzle measuring</b>	Nozzle position verification sensors for applications requiring accurate nozzle position monitoring. Laser height detection on part to ensure gap distance for applications with critical bead width tolerances.
<b>Dispense verification</b>	Pass/fail verification after each dispense for quality control. Record dispense measurements such as bead width, height or volume after each dispense for traceability of process.
<b>Nozzles and cleaning</b>	SS high precision nozzles as well as disposable nozzles are available.
<b>Fixturing</b>	Fixturing is custom designed for each application.

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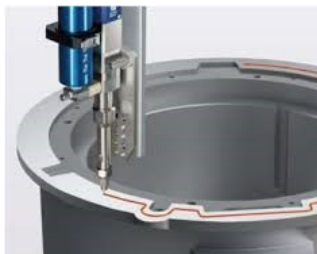
## Dispensers Available

### Screw Master MSD



High performance screw dispenser for stable and accurate volume dispensing

### MOHNO Master VSD



High speed positive displacement dispenser ideal for use with liquid gasket materials

### Measuring Master MPP



Precise volume dispensing, ideal for LED potting applications.

### AeroJet MJET-A



Non-contact jet dispenser for mid-high viscosity fluids. Ideal for grease jetting or adhesive jetting applications.

### CyberJet MJET-C



Non-contact jet dispenser for low viscosity (as low as 1mPas) fluids with max speed of 133 shots/second and min. 0.03mg/shot

### CyberJet MJET-C



Fastest jet available at 1,200 Hz frequency and small dotting at 0.5 nL/shot.

### SuperΣCMII



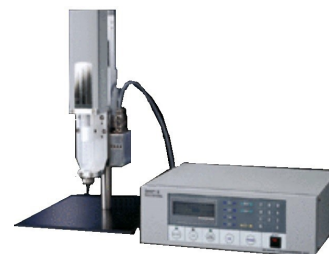
High precision pneumatic dispenser with exceptional precision on dotting applications.

### ML-808GX



High precision pneumatic dispenser with exceptional precision on line dispensing applications.

### Nano Master SMP-III



Ultra small dispense volumes of 1/1,000,000 ml with excellent repeatability