

FM-6A Series 6-Axis Dispensing Robot Systems

Programming

- Load 3D models of robot/fixturing/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

Dispenser	See next page for selection of Musashi Engineering dispensers.
6-Axis Robot	Wide variety of FANUC 6-axis robots are available. Selected by Izumi based on application requirements.
Tool changer	Tool changers are available for dispensing of multiple liquids.
Heating system	Syringe heaters for hot melt glues and plastics.
Enclosure	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.
Gap / nozzle measuring	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.
Dispense verification	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.
Nozzles and cleaning	SS high precisions nozzles as well as disposable nozzles are available.
Fixturing	Fixturing is custom designed for each application.

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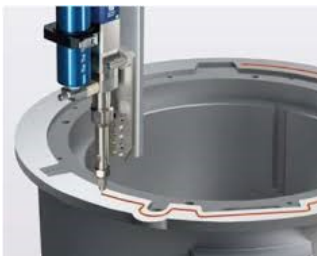
Dispensers Available

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