

Enclosed Robotic Cell Dispensing System

Robotic Dispensing System – Manual Load and Unload



Sealant Equipment & Engineering robotic dispense system for dispensing adhesive in an enclosed single-cell manual load and unload fixture

- ▶ Dispense adhesives, sealants and lubricant materials with precision
- ▶ Parts are manually loaded and unloaded
- ▶ Material is dispensed onto parts using precision 6-Axis motion
- ▶ Various size platforms available for maximum parts per job
- ▶ Complete robot dispense system includes supply, meter, control, dispense valve, hoses, valve tooling, fixture, part tooling, 6-Axis robot, controller, pendant
- ▶ Bead path programming available for users parts
- ▶ Up to 10 kg payload at wrist

Precision Dispensing Robots for Manual Load Applications of 1- and 2- Component Materials

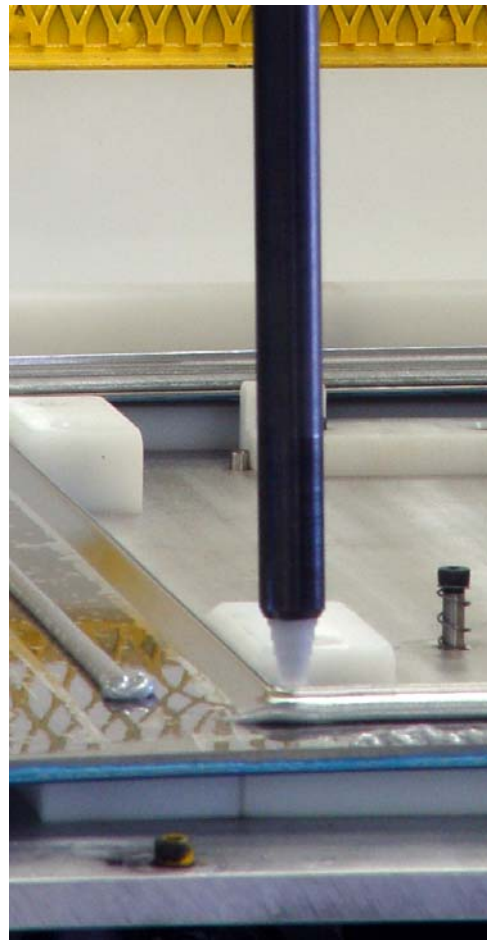
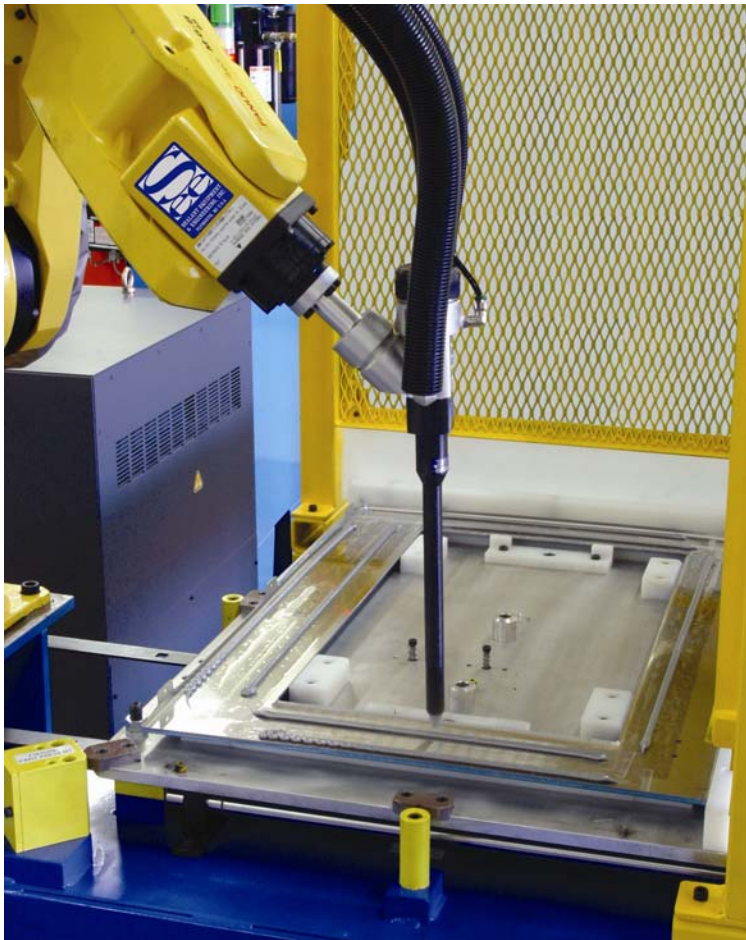
The robotic dispensing system typically selected is a small 6-axis robot for precision bead placement and high performance dispensing technology. The robot design is robust and provides added stability for precise material placement.

Each small robot dispense system includes a complete fluid metering dispense system, from supply to nozzle, and manual load fixture assembly integrated with a small dispensing robot system complete with controls and teach pendant. Bead path programming, installation and start up assistance is provided by Sealant Equipment.

Typical Applications

- Electronic Potting
- Product Bonding
- Component Sealing
- Gasketing (CIPG, FIPG)
- Product Filling
- Decal Doming
- Contract Manufacturing

Robotic Dispense System



Sealant Equipment robot dispensing system with manual load fixture, tooling, 2-component mix-dispense valve and dress-out

Available bead path programming is performed on the user's parts

Technical Information:

Model: Single Station Robotic Dispenser
Meter Type: Positive Displacement Meter
Meter Drive: Servo-Motor or Air-Oil
Materials Dispensed: 1-Part or 2-Part

Fixture Type: Manual Load and Unload
Part Tooling: Single or Multiple Part
Robot Axis/Payload: 6-Axis, 6 or 10 kg
Bead Path Repeatability: ± 0.08 mm

Form RDS-001



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