Enclosed Robotic Cell Dispensing System

Robotic Dispensing System – Manual Load and Unload

- 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

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

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 | Fixture Type: Manual Load and Unload |
| Meter Type: Positive Displacement Meter | Part Tooling: Single or Multiple Part |
| Meter Drive: Servo-Motor or Air-Oil | Robot Axis/Payload: 6-Axis, 6 or 10 kg |
| Materials Dispensed: 1-Part or 2-Part | Bead Path Repeatability: ± 0.08 mm |