Two-Station Six-Axis Robotic Cell

Dual-Part Dispensing System – Manual Load and Unload

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 part fixture integrated with a small dispensing robot system complete with controls and teach pendant. Bead path programming, installation and start up assistance is provided by Nordson Sealant Equipment.

- Dispense adhesives, sealants and lubricant materials with precision
- Parts are manually loaded and unloaded at two stations for increased production rate
- Dispense various part configurations with one robotic dispensing system
- Material is dispensed using precision 6-Axis motion
- Complete robot dispense system includes supply, meter, control, dispense valve, hoses, valve tooling, fixture, part tooling, 6-Axis robot, controller, pendant
- Part programming available
- Up to 10 kg payload at wrist

Typical Applications
- Electronic Potting
- Product Bonding
- Component Sealing
- Gasketing (CIPG, FIPG)
- Product Filling
- Decal Doming
- Contract Manufacturing
Two-Station Six-Axis Robotic Dispense Cell

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

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

Technical Information

<table>
<thead>
<tr>
<th>Model</th>
<th>Single Station Robotic Dispenser</th>
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</thead>
<tbody>
<tr>
<td>Meter Type</td>
<td>Positive Displacement Meter</td>
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<tr>
<td>Meter Drive</td>
<td>Servo-Motor, Air-Over-Oil, or Pneumatic</td>
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<tr>
<td>Materials Dispensed</td>
<td>1-Part or 2-Part</td>
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<tr>
<td>Fixture Type</td>
<td>Manual Load and Unload</td>
</tr>
<tr>
<td>Part Tooling</td>
<td>Single or Multiple Part</td>
</tr>
<tr>
<td>Robot Axis/Payload</td>
<td>6-Axis, 6 or 10 kg</td>
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<tr>
<td>Bead Path Repeatability</td>
<td>+ 0.08 mm</td>
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For more information, speak with your Nordson representative or contact your Nordson regional office.

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