Precision Dispensing with KISS™ Valves and Vision Technology

Vision dispensing systems use image processing technology to assure automatic optical inspection of the adhesive or sealant application for every part. The position, width, and continuity of the adhesive bead profile is inspected continuously during the dispensing cycle. This guarantees the rigidity, stability, part behavior, and impermeability of the adhesive bond or sealant coverage.

Vision can be used in virtually every dispensing system process to improve quality and lower product cost. The most important advantage of this system is its functionality, reliable orientation and high speed capability. In some models the robot integrated vision system is able to provide out-of-tolerance information, job tagging data and in some instances automatically repair bead profiles.

All these factors contribute to reduction of scrap, rework time and cost. The quality of your product is assured and can be increased through recognizing the optimization potential created when using a vision system.

- Nordson Sealant Equipment integrates vision products with our dispensing systems
- Dispense 1-part and 2-part materials with vision
- Vision assembly may be meter-valve mounted (as shown) or valve mounted
- KISS Dispense Valve assemblies are married to the vision assembly
- Select either Tip-Seal, Snuf-Bak or No-Drip Dispense Valve applicators
- Stream, Spray, Ribbon or Extrude materials with vision

Available options:
- Robot Tooling Designed-For-Application
- Robot Dress-Out Design and Assembly
- Robot / Vision Bead-Path Programming
- Robot System Start-up Assistance
Specifications

<table>
<thead>
<tr>
<th>Fluid Valves</th>
<th>KISS® Vision Integrated Valves</th>
</tr>
</thead>
<tbody>
<tr>
<td>Valve Type</td>
<td>Select from: 1- or 2-Component Valves, Tip-Seal, No-Drip or Snuf Back</td>
</tr>
<tr>
<td>Air Ports</td>
<td>(2) 1/8” NPTF open and close</td>
</tr>
<tr>
<td>Mounting</td>
<td>(2) screws and (2) dowel pins</td>
</tr>
<tr>
<td>Max. Inlet Pressure</td>
<td>4,000 PSI (241.5 bar) fluid</td>
</tr>
<tr>
<td>Min. Air Pressure</td>
<td>70 PSI (4.83 bar) air</td>
</tr>
<tr>
<td>Material Inlet</td>
<td>1/4” NPT(1)</td>
</tr>
<tr>
<td>Material Outlet</td>
<td>Per Valve model selection</td>
</tr>
</tbody>
</table>

Typical vision software screen showing 3 vision cameras focused on tip and bead profile

For more information, speak with your Nordson representative or contact your Nordson regional office.

United States
Plymouth, Michigan
+1.734.459.8600 Phone
+1.734.459.8686 Fax
Web: www.sealantequipment.com
Email: sales@sealantequipment.com

Canada
Markham, Ontario
+1.905.475.6730 Phone
+1.905.475.8821 Fax
Web: www.nordson.ca

Mexico
Edo. de Mexico, Mexico
+52.55.5301.1032 Phone
+52.55.5300.3004 Fax
E-mail: ventas@nordson.com.mx

Brasil
Sao Paulo, Brasil
+55.11.4195.2004 Phone
+55.11.4195.6698 Fax
E-mail: admfin@nordson.com.br

China
Shanghai, China
+86.21.3866.9166 Phone
+86.21.3866.9199 Fax
E-mail: sales@nordson.com

Europe
Erkrath, Germany
+49.211.9205.0 Phone
+49.211.254658 Fax
E-mail: info@nordson.com

Japan
Tokyo, Japan
+81.3.5762.2700 Phone
+81.3.5762.2701 Fax
E-mail: info@nordson.co.jp
Web: www.nordson.co.jp

India
Bangalore, India
+91.80.4021.3600 Phone
+91.80.4021.3601 Fax
E-mail: nordsonindia@nordson.com

Korea
Gyeong-gi-do, Korea
+82.31.736.8321 Phone
+82.31.736.8322 Fax
E-mail: steve.shin@nordson.com

© 2017 Nordson Corporation
All Rights Reserved

NSL-17-6021
Issued 4/17