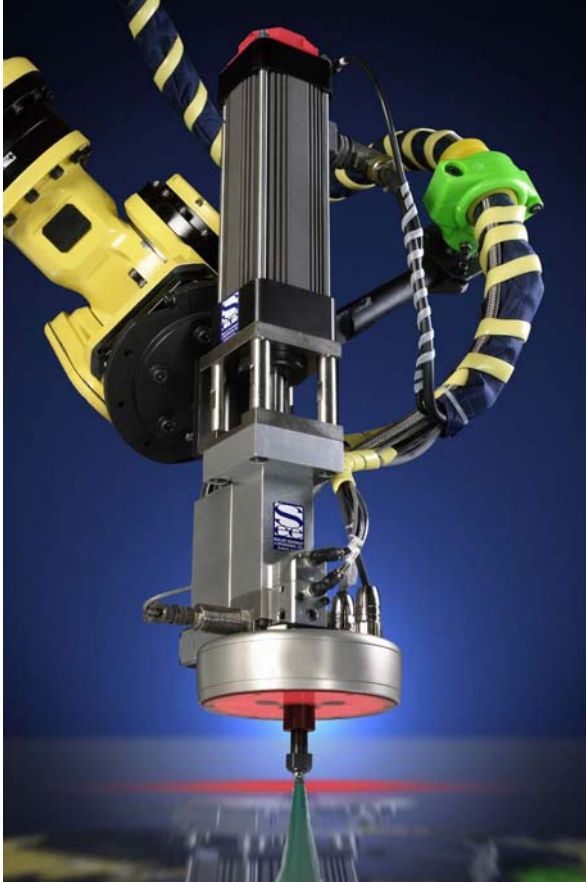


# Robotic Vision Dispensing Systems

Precision Dispensing with KISS™ Valves and Vision Technology



- ▶ **Sealant Equipment & Engineering 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**

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.

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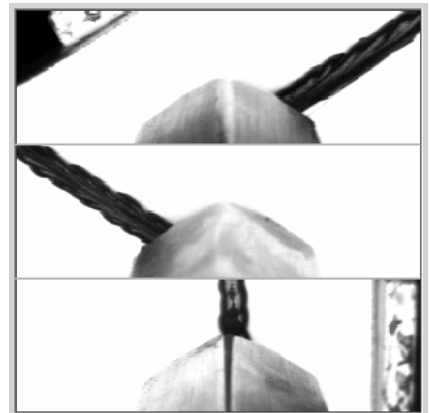
2200-250 Series 2-Component Snuf-Bak® Mix-Dispense Valve with Streaming Mixer



2200-245 Series 1-Component Tip-Seal® Dispense Valve for Vision Integration

## Specifications:

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



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

Form: Vision-001 Rev. A



Manufacturers of Precision Dispense Systems & Valves

45677 Helm Street • P.O. Box 701460  
Plymouth, MI 48170 • USA  
Phone: (734) 459-8600 Fax: (734) 459-8686  
Web: [www.SealantEquipment.com](http://www.SealantEquipment.com)  
Email: [sales@sealantequipment.com](mailto:sales@sealantequipment.com)