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.
Robotic Vision Dispensing Systems

Specifications:

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

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

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