

Rotary Smart-Gun

Single or Dual Material Dispensing Tool with Three Tips

Smart-Gun
2600-081 Series



- ▶ The Smart-Gun Assembly is long and slim for easy access into small openings
- ▶ Dispense one or two different materials
- ▶ Nozzles are easy to position in tight areas and position faster to next bead
- ▶ Shorten total dispense cycle times
- ▶ No external valves or rotating hoses
- ▶ All fluid and air hoses terminate at the non-rotating manifold
- ▶ Robot wrist rotates dispensing tool without rotating fluid or air hoses
- ▶ Select any combination of (3) Spray, Stream or Ribbon nozzle tips
- ▶ The dispense system program selects which Nozzle Tip is to operate

Available Technical Services:

- ▶ Robot Tooling and Dress out
- ▶ Robot Bead-Path Programming
- ▶ Start-up & Production Assistance

The **2600-081 Series Smart-Gun** has three (3) individually selected dispense tips to dispense the right bead profile. Internal No-Drip® high-pressure dispense valve technology is incorporated in the Smart-Gun for the automated application of one-part materials. The needle, seat and internal flow technology enables the valve to perform longer with high volume applications, frequent on-off cycles per part and abrasive materials.

All three internal fluid valves incorporate a carbide hardened needle/ball and carbide seat with an abrasion resistant seal to further increase its life cycle and reduce down time. A back-up spring insures fast shut-off when closing the valve or if air pressure is low or lost. Alignment and mounting holes make fixturing simple.

Typical Processes

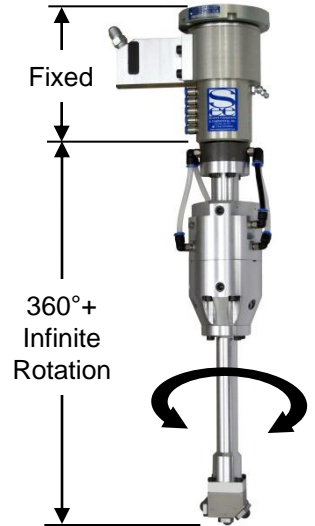
- 1-Part Sprayable Materials
- Heat-Cure PVC Sealer
- Vehicle Seam Sealing
- Underbody Sealing
- Roof Ditch Seam Sealing

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Specifications:

Rotation:	Dispense Tool has infinite rotation capability
Mounting:	Fastens directly to robot wrist plate
Dimensions:	21.9" (555 mm) Long x 4" (100 mm) Dia.
Tip Orientation:	#1 - 0° Center Axis, #2 at 90°, #3 at 45°
Fluid Valves:	(3) Internal No-Drip® Valves with Spring Assist
Air Ports:	(3) "Valve Open" Tube Fittings-(1) per Nozzle (1) "Close All Valves" Tube Fitting
Lubrication:	(1) Grease Fitting and (1) Outlet Tube Fitting
Max. Inlet Pressure:	4,000 PSI (240 bar) fluid pressure
Min. Air Pressure:	70 PSI (4.8 bar) air pressure
Accessories:	Single or Dual Material Inlet Manifolds, Carbide Dispense Tips; Torque Bracket



3 Carbide Tips



Rotary Smart-Gun

360°+ Infinite Rotation

Available Carbide Dispense Tips: (order separately)



Slot Ribbon

Medium Fan
Airless Spray

Heavy Fan
Airless Spray

Narrow Fan
Airless Spray

Round Stream

Form 2600-081 SG-001



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