



PAR 2EH

Specifically developed to meet the increasing demand to dispense small discrete shots of homogeneously mixed two-part, highly abrasive materials, the **PAR 2EH** incorporates Tungsten Carbide-hardened wetted parts with mechanically linked rod-displacement metering pumps to provide precise dispensing of micro shot sizes down to 0.04ml. This is combined with the added benefit of electric servo drive speed and shot size control. The system is an ideal solution for gap filling and potting processes, where thermal interface materials are applied to transfer heat away from the component.

The **PAR 2EH** provides reliable, proven fixed-ratio metering control during dispensing, and its compact design allows it to be mounted directly onto an articulated robot for accurate point of application dispensing. The **PAR 2EH** can also be interfaced with automated systems for fully or semi-automatic applications. Incorporating robust and proven metering and mixing principles, the advanced **PAR 2EH** provides the perfect solution for many small shot applications. Typically, this system is supplied with drum unloading transfer pumps for larger volume production.

STANDARD FEATURES

- Robot mounted machine (typical application)
- Twin injector feed valves with Diamond coated spools
- Machine mounted mixer valve with Diamond coated spools
- "Metered Shot" and "Robotic controlled" shot size selection
- Automatic shot size control
- Service indicator lamp

Metering Pumps	Single acting rod-displacement
Ratio Range Capability	1:1 to 5:1 (depending upon pumps selected)
Viscosity acceptance	Up to 1,000,000 mPa.s
Shot size	Available from approx. 0.04ml up to 7.96ml at a ratio of 1:1 by volume
Cycle Rate	up to approx. 6 shots per minute (depending upon viscosity)
Mixing	Disposable Static
Reservoir Capacity	Pressurized 600ml plastic cartridges

CONTROLS

- Integrated PLC control with colour HMI touchscreen operator interface
- "Recipe" function with up to 50 programmable flow rate and shot size parameters
- Main Off/On switch
- Emergency Stop & Reset Buttons
- Anti-gel automatic purge timer
- Foot pedal or remote robot start options available
- 230V/50Hz or 110V/60Hz AC electric supply + compressed air @ 80 p.s.i.

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AVAILABLE OPTIONS

- Digitally controlled heating
- Stainless steel wetted parts to protect against corrosion
- Bulk transfer pump & accumulator feed facility directly from supplier containers

TYPICAL APPLICATIONS

- Electronic Potting
- Component Bonding
- Sealing

TYPICAL MATERIALS

- Polyurethane
- Epoxy
- Silicone