



PAR 2P PAR 2E

Specifically developed to meet the increasing demand to dispense small discrete shots of homogeneously mixed two-part materials, the PAR 2P & PAR 2E incorporates mechanically linked positive displacement rod-metering pumps to provide precise dispensing of micro shot sizes down to 0.04 ml. The PAR 2P is supplied with a cost-effective, pneumatically operated, drive unit whilst the PAR 2E incorporates the added benefit of electric servo drive speed and shot size control. The PAR 2P & PAR 2E machines provides reliable, proven fixed ratio metering control during dispense, and the lightweight construction allows it to be mounted directly onto an articulated robot or the Meter Mix XYZ System Cartesian robot for accurate point of application dispensing. The PAR 2P & PAR 2E can also be interfaced with automated systems for fully or semi-automatic applications. Incorporating robust and proven metering and mixing principles, the advanced PAR 2P & PAR 2E provides the perfect solution to many small shot applications. These machines are normally supplied with a benchtop framework with foot pedal actuation.

STANDARD FEATURES

- Bench top machine
- Twin non-return valve injection block assembly with static mixer outlet
- "Metered Shot" mode on the PAR 2P
- Metered" & "Operator Controlled" shot size selection on PAR 2E
- Shot size adjuster with digital reference indicator on PAR 2P
- Electronic shot size and flow rate control on PAR 2E
- Service indicator lamp

Metering Pumps	Single acting rod-displacement
Ratio Range Capability	1:1 to 18:1 (depending upon pumps selected)
Viscosity acceptance	Up to 500,000 mPa.s (depending upon material thixotropy)
Shot size	Available from approx. 0.04 ml up to 7.96 ml at a ratio of 1:1 by volume
Cycle Rate	up to 15 shots per minute (depending upon viscosity)
Mixing	Disposable Static
Reservoir Capacity	500ml plastic cartridges

Controls

- Integrated PLC control (with colour HMI touchscreen operator interface on PAR 2E)
- PAR 2E incorporates "Recipe" function with up to 50 programmable flow rate and shot sizes
- Main Off/On switch
- Emergency Stop & Reset Buttons
- Anti-gel automatic purge timer
- Shot counter/repeater unit for multiple shot applications
- Either foot pedal or remote start options available
- 230vAC electric supply + compressed air @ 80 p.s.i.

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AVAILABLE OPTIONS

- 6 ltr (1.58 gal) capacity reservoir sizes on special support framework
- Pneumatically operated mixer valve for accurate shut-off after dispense
- Digitally controlled heating
- Pressurised cartridge feeds for processing thick (non-pourable) materials
- Stainless steel wetted parts to protect against corrosion
- Hardened parts to protect against abrasion
- Bulk transfer pump & accumulator feed facility directly from suppliers containers

TYPICAL APPLICATIONS

- Electronic Potting
- Component Bonding
- Sealing

TYPICAL MATERIALS

- Polyurethane
- Epoxy
- Silicone
- Methacrylate