



PAR 50

Specifically developed to process materials and applications requiring variable ratio functionality, the PAR 50 machine incorporates reliable, proven technology in order to meter precise doses, or accurate beads of mixed product within a wide range of applications. The PAR 50 machine also features electric inverter drive motor control in order to provide precise control over material ratio, flow rate and shot size with the added benefit of continuous flow rate. Whether used for RIM casting of large automotive bumpers or applying uninterrupted beads for filter manufacturing or gasket forming, the PAR 50 offers a reliable solution to many dispensing requirements. In addition, the PAR 50 can also be interfaced with automated systems for fully or semi-automatic applications.

STANDARD FEATURES

- Floor mounted machine on castors for portability
- "Metered" or "Operator Controlled" shot size selection
- Service indicator lamp

Metering Pumps	Electric inverter driven gear pumps
Mixer Valve	Pneumatically operated TSV601 Mixer Valve
Ratio Range Capability	1:1 to 100:1 (depending upon pumps selected)
Viscosity acceptance	Up to 500,000 mPa.s (when fitted with transfer pump/accumulator option)
Shot size	Typically available from approx. 10 ml upwards
Flow Rate	Typically up to approx. 8 ltr/minute (depending upon viscosity)
Mixing	Disposable Static
Reservoir Capacity	18 ltr (4.74 gal) stainless steel with silica gel moisture protection

Controls

- Integrated PLC control with colour HMI touchscreen operator interface
- Flow rate adjustable via rotary potentiometer
- Air supply filter/regulator and gauge with connection check unit.
- Main Off/On switch
- Emergency Stop & Reset Buttons
- Anti-gel automatic purge timer
- Either foot pedal, hand held trigger 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) , 12 ltr (3.16 gal) or 30 ltr (7.9 gal) capacity reservoir sizes
- Digitally controlled heating to reservoirs, pumps and hoses
- Electric agitation to material reservoirs
- Electronic low-level sensing to material reservoirs with visual and audible alarms
- Stainless steel wetted parts to protect against corrosion
- Hardened parts to protect against abrasion
- Ultra-high precision gear metering pumps
- Nitrogen purge facility to material reservoirs
- Vacuum degassing to material reservoirs
- Rotary/Static disposable mixing option (electrically driven)
- Bulk feed transfer pump/accumulator facility directly from suppliers containers

TYPICAL APPLICATIONS

- Electronic Potting
- Casting
- Moulding
- Component Bonding
- Filter Manufacturing

TYPICAL MATERIALS

- Polyurethane
- Epoxy
- Silicone