



PAR 3CM

Specifically developed to incorporate the latest METER MIX® in-line drive mechanism (ILD), the PAR 3CM machine provides reliable, advanced flow rate and ratio control characteristics during dispense, not normally associated with pneumatic machines. The advanced PAR 3CM builds on the standard machine setup with the fitment of a “modular platform”. The PAR 3CM has been specifically designed and manufactured to incorporate a variety of options, which can be quickly and easily fitted, bringing benefits in flexibility and reduced build times. The machine is pre-programmed to accept a number of modularised features, like heating, agitation and level-sensing. This enables the user to add or remove functions by simple “plug-n-play” connections. Another benefit of this “modular” system is that retro-fitting options (maybe through a material change) can be simply added at a later stage. The PAR 3CM also incorporates the additional benefit of automatic shot size control. Whether dispensing 5g or 500g, the PAR 3CM will accurately dispense the required volume without the need for calculation.

STANDARD FEATURES

- Modular build to enable quick addition, or removal, of optional features
- Bench top machine with adjustable feet
- “Metered Shot” and “Operator Controlled” shot size selection
- Service indicator lamp

Metering Pumps	Single acting positive displacement
Mixer Valve	Pneumatically operated TSV602 Mixer Valve
Ratio Range Capability	1:1 to 14:1 (depending upon pumps selected)
Viscosity acceptance	Up to 500,000 mPa.s (depending upon material thixotropy)
Shot size	Available from approx. 1.2 ml up to 63 ml at a ratio of 1:1 by volume
Cycle Rate	up to 30 shots per minute (depending upon viscosity)
Mixing	Disposable Static
Reservoir Capacity	6 lt stainless steel with silica gel moisture protection

Controls

- Integrated PLC control with 5” colour HMI touchscreen operator interface
- Dispense pressure regulator and gauge
- Air supply filter/regulator and gauge with connection check unit.
- 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 hand held trigger start options available
- 230VAC electric supply + compressed air @ 80 p.s.i.

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AVAILABLE OPTIONS

- 12 lt 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
- Nitrogen purge facility to material reservoirs
- Vacuum degassing to material reservoirs
- Rotary/Static disposable mixing option (electrically driven)
- Bulk feed transfer pump facility directly from suppliers containers

TYPICAL APPLICATIONS

- Electronic Potting
- Casting
- Moulding
- Component Bonding
- Brush Setting

TYPICAL MATERIALS

- Polyurethane
- Epoxy
- Silicone