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LiquidShot

LiquidShot 3

Piston pump technology for small applications typically dispensing between 3 to 60 ml per shot



The LiquidShot 3 is the first choice for all applications focused in electronic potting and encapsulation. Proven piston pump technology allows for consistent, small shot dispensing applications typically dispensing between 3 ml to 60 ml per shot. The metering and mixing system provides a clean and cost-efficient solution and is perfect for small and medium production volumes. The machine can be up and running in a very

short period of time and is easy to handle, whether for beginners or experts. The LiquidShot 3 processes many two component materials with differing mixing ratios or vastly different viscosities:

- Polyurethane
- Epoxy
- Silicone

TECHNICAL DATA

Ratio range capability	1:1 to 14:1 (depending upon pumps selected)
Viscosity acceptance	Up to 500,000 mPas (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 or Rotary/Static
Reservoir capacity	6 lt (1,58 gal) stainless steel with silica gel moisture protection 18 lt (4,74 gal) available, depending on construction
Electric supply	230 V / 50 Hz or 110 V / 60 Hz AC
Compressed air	80 p.s.i.

TYPICAL APPLICATIONS

- Electronic potting and encapsulation
- Casting
- Component bonding
- Brush setting

YOUR BENEFITS

- Cost-effective
- Compact size on LiquidShot 3B, 3C, 3CE and 3CM
- Portable trolley frame on LiquidShot 3CT and 3CTE
- Precise volumetric metered shots
- Accurate flow-rate control on LiquidShot 3CE and 3CTE
- Suitable for processing filled/abrasive materials (when fitted with hardened parts)

STANDARD FEATURES

- Mixer Valve: Pneumatically operated TSV601
- "Metered Shot" and "Operator Controlled" shot size selection
- Shot size adjuster with digital reference indicator on LiquidShot 3C and 3CT
- Service indicator LED
- Controls:
 - Integrated PLC control with HMI operator interface
 - "Recipe" function with up to 50 programmable shot sizes and flow rates on LiquidShot 3CE and 3CTE
 - Anti-gel automatic purge timer
 - Shot counter/repeater unit for multiple shot applications on LiquidShot 3C and 3CT
 - Either foot pedal or hand held trigger start options available

OPTIONS

- 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

CONTACT US:

meter-mix.com/contacts

VERSIONS



Benchtop entry level pneumatic side-by-side drive piston pump
[LiquidShot 3B](#)



Benchtop pneumatic in-line drive piston pump
[LiquidShot 3C](#)



Benchtop electric in-line drive piston pump
[LiquidShot 3CE](#)



Benchtop pneumatic in-line drive piston pump with modular options
[LiquidShot 3CM](#)



Floor mounted portable pneumatic in-line drive piston pump
[LiquidShot 3CT](#)



Floor mounted portable electric in-line drive piston pump
[LiquidShot 3CTE](#)