



A MEMBER OF THE
HILGER&KERN GROUP

LiquidShot

LiquidShot 4

Piston pump technology for medium applications typically dispensing between 20 to 180 ml per shot



The LiquidShot 4 is a user-friendly, highly productive metering and mixing system for two-part dispensing applications, especially potting and encapsulation. The machine is a durable and economic solution for many production demands with a high degree of operator functionality. This guarantees robust and proven metering and mixing principles. Trusted piston pump

technology allows for medium dispensing applications typically dispensing between 20 to 180 ml per shot. The machine processes a variety of two-part materials:

- Polyurethane
- Epoxy
- Silicone

TECHNICAL DATA

Ratio range capability	1:1 to 24:1 (depending upon pumps selected)
Viscosity acceptance	Up to 500,000 mPas (depending upon material thixotropy)
Shot size	Available from approx. 2.5 ml up to 172 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) 18 lt (4,74 gal), depending on construction stainless steel with silica gel moisture protection
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
- Moulding
- Component bonding
- Brush setting

YOUR BENEFITS

- Cost-effective
- Compact size on LiquidShot 4C and 4CE
- Portable trolley frame on LiquidShot 4CT and 4CTE
- Precise volumetric metered shots
- Accurate flow-rate control on LiquidShot 4CE and 4CTE
- Suitable for processing filled/abrasive materials

STANDARD FEATURES

- Mixer Valve: Pneumatically operated TSV601
- "Metered Shot" and "Operator Controlled" shot size selection
- Shot size adjuster with digital reference indicator on LiquidShot 4C & 4CT
- Service indicator LED
- Controls:
 - Integrated PLC control with HMI operator interface
 - "Recipe" function with up to 50 programmable shot sizes & flow rates on LiquidShot 4CE & 4CTE
 - Anti-gel automatic purge timer
 - Shot counter/repeater unit for multiple shot applications on LiquidShot 4C & 4CT
 - 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

VERSIONS



Benchtop pneumatic in-line drive piston pump
[LiquidShot 4C](#)



Benchtop electric in-line drive piston pump
[LiquidShot 4CE](#)



Floor mounted portable pneumatic in-line drive piston pump
[LiquidShot 4CT](#)



Floor mounted portable electric in-line drive piston pump
[LiquidShot 4CTE](#)

CONTACT US:

meter-mix.com/contacts