



A MEMBER OF THE  
HILGER&KERN GROUP

## LiquidShot

### LiquidShot 2

Machine for dispensing  
precise volumes typically  
less than 3 ml per shot



The LiquidShot 2 metering and mixing system is especially developed for dispensing precise volumes typically less than 3 ml per shot. This makes it perfect for electronic encapsulation applications which require absolute precision. The LiquidShot 2 provides a secure, proven fixed ratio metering control unit during the dispensing process. Furthermore, the

lightweight construction allows direct installation onto an articulated robot. The machine processes a variety of two-part materials:

- Epoxy
- Polyurethane
- Silicone
- Methacrylate

#### TECHNICAL DATA

Ratio range capability	1:1 to 12:1 (depending upon pumps selected)
Viscosity acceptance	Up to 500,000 mPas (depending upon material thixotropy)
Shot size	Available from approx. 0.04 ml up to 6.79 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	600 ml plastic cartridges
Electric supply	230 V / 50 Hz or 110 V / 60 Hz AC
Compressed air	80 p.s.i.

## TYPICAL APPLICATIONS

- Electronic potting
- Component bonding
- Sealing

## YOUR BENEFITS

- Compact size, suitable for mounting on XYZ robot
- Precise, small volume metered shots
- Accurate flow-rate control (LiquidShot 2E)
- Suitable for processing filled materials (when fitted with hardened parts)

## STANDARD FEATURES

- Single acting rod-displacement pumps
- Metered Shot mode on LiquidShot 2P
- Metered, incremental or robot shot size selection on LiquidShot 2E
- Shot size adjuster with digital reference indicator on LiquidShot 2P
- Electronic shot size and flow rate control on LiquidShot 2E
- Service indicator LED
- Controls:
  - Integrated PLC control (with colour HMI touchscreen operator interface)
  - Liquid Shot 2E incorporates "Recipe" function with up to 50 programmable flow rate and shot sizes
  - Anti-gel automatic purge timer
  - Either foot pedal or remote start options available

## OPTIONS

- 6 lt (1,58 gal) capacity reservoir sizes on special support framework
- Digitally controlled heating
- Low-level sensing
- Electric agitation on reservoirs
- 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

## VERSIONS



Pneumatic drive, rod displacement pump  
[LiquidShot 2P](#)



Electric drive, rod displacement pump  
[LiquidShot 2E](#)

## CONTACT US:

[meter-mix.com/contacts](http://meter-mix.com/contacts)