



A MEMBER OF THE  
HILGER&KERN GROUP

## LiquidFlow

# LiquidFlow 2

Versatile machine for  
accurate dispensing of  
small beads



The LiquidFlow 2 is a versatile and efficient metering and mixing system for accurate dispensing of small beads and shots of two-part materials. One of the major benefits with this machine is the DC electric drive unit and progressive cavity pump technology which ensures very precise dispensing with high economic efficiency at the same time. Due to the compact size of

the LiquidFlow 2, it can be easily mounted on a robotic applicator with various material feeding options. It could process the following materials:

- Polyurethane
- Epoxy
- Silicone
- Methacrylate

### TECHNICAL DATA

Size	2 x 0.01	2 x 0.05	2 x 0.15	2 x 0.30
Specific volume [ml/rev]	0.026	0.120	0.330	0.600
Shot size min [ml] <sup>1</sup>	0.006	0.030	0.080	0.150
Output rate [ml/min] <sup>2</sup>	0.26...3.90	1.2...18.1	3.3...50.0	6.0...90.0
Metering accuracy [%] <sup>3</sup>				± 1
Mixing ratio A:B				1:1...10:1
P work [bar]				6
P max [bar]				10
Speed range [rev/min]				10...150

<sup>1</sup> At mixing ration 1:1

<sup>2</sup> Depending on mixing ratio, material properties, mixer type, alignment of PCP, etc.

<sup>3</sup> Absolute accuracy related to one revolution, depending on material properties, mixer type, etc.

## TYPICAL APPLICATIONS

- Electronic potting
- Sealing
- Component bonding

## YOUR BENEFITS

- Precise small metered dosing or beading
- Continuous flow
- Pulsation-free dispensing
- Variable mixing ratio
- Quiet operation
- Accurate flow-rate control

## STANDARD FEATURES

- Bench top or robot mounted machine
- 600 ml cartridge feed
- Metering Pumps: Continuous progressive cavity
- "Metered" or "Operator Controlled" shot size selection
- Service indicator LED
- Controls:
  - Integrated PLC control (with colour HMI touchscreen operator interface)
  - "Recipe" function with up to 50 programmable ratios, flow rates and shot sizes
  - Main Off/On switch
  - Emergency Stop & Reset Buttons
  - Anti-gel automatic purge timer
  - Either foot pedal or remote start options available

## OPTIONS

- 2.5 lt & 6 lt reservoirs
- Digitally controlled heating circuits for reservoirs (when fitted)
- Bulk feed transfer pump/accumulator facility directly from suppliers containers
- Electric agitation to material reservoirs (when fitted)
- Electronic low-level sensing to material reservoirs (when fitted) with visual and audible alarms
- Stainless steel wetted parts to protect against corrosion
- Upgraded component parts for protection against abrasion
- Nitrogen purge facility to material reservoirs (when fitted)

## CONTACT US:

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