

# Posimeter<sup>®</sup> – Direct Mount

## Liquid Silicone Meter Mix Technology



Liquid silicone molding is used to manufacture medical, electronic, automotive and a variety of silicone parts.

***New patented  
technology  
from  
Liquid Control  
for  
Liquid Silicone  
Injection Molding***

### Features

- Directly mounted on the screw on an injection molding machine or onto the inlet of a heated mold
- Patented rod positive displacement metering technology
- Balanced inlet/outlet spool assemblies for A and B components
- Precision micrometer shot size adjustment
- Ideal for small shot size applications of 1 cc to 29 cc
- Posimixer multipass motionless mixer assembly
- Pressure fed from 5 gallon pail or 55 gallon drum transfer pumps
- Electro-pneumatic control panel with PLC for all machine functions
- Sensors on the Posimeter monitor the valve actuation sequence

### Benefits

- Moves the metering device close to the injection point and eliminates long flexible hoses containing metered A and B components
- $\pm 1$  percent ratio and shot size repeatability
- No material displacement when spool shifts from reload to dispense
- Accurate and repeatable shot size control
- Maintains ratio accuracy for products requiring consistent durometer specifications
- Provides thorough blending of A and B components
- Multiple Posimeters can be fed from one set of transfer pumps
- Can be integrated with existing injection molding machine controls
- Process control verification for every machine cycle



  
**Liquid Control**

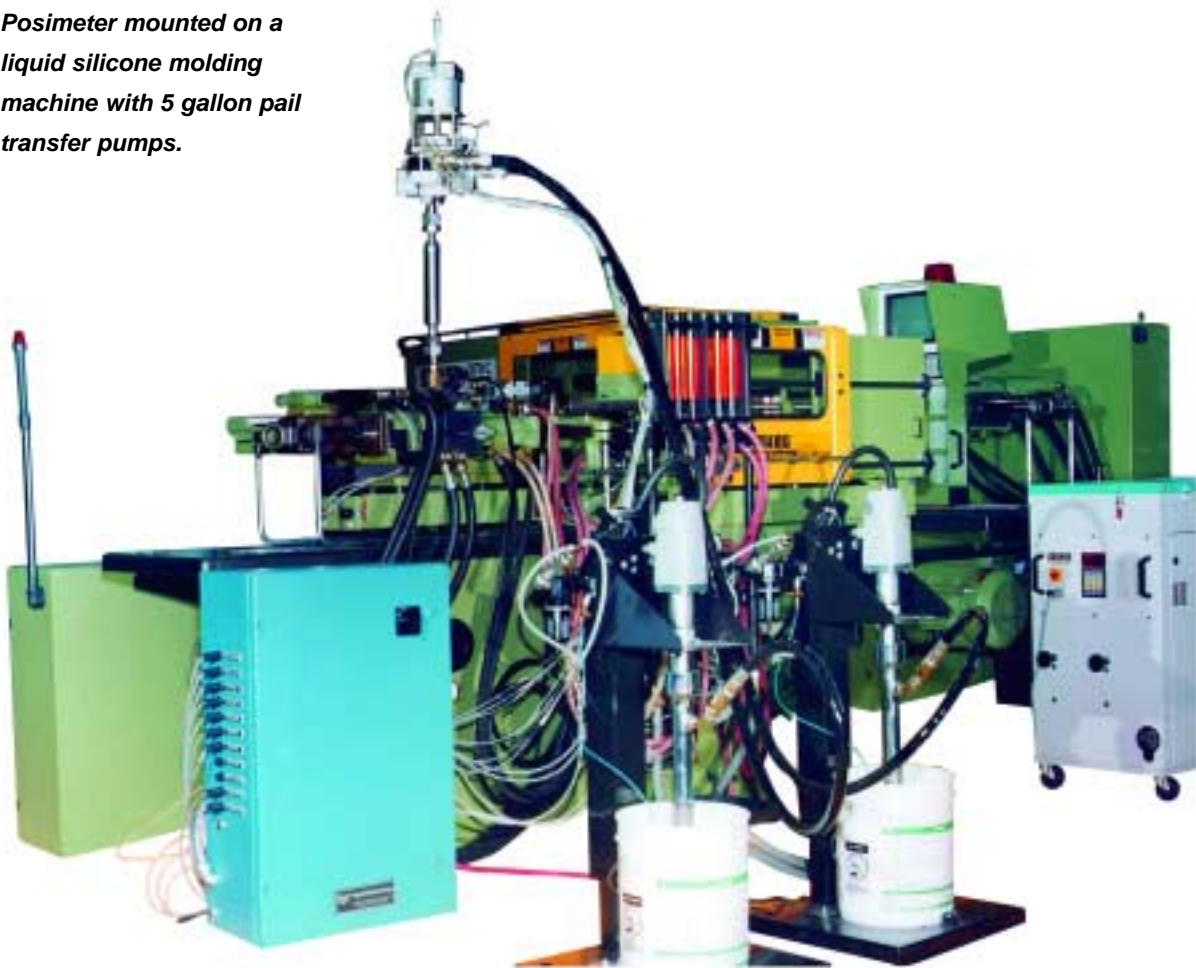
8400 Port Jackson Ave NW  
North Canton, OH 44720  
(330) 494-1313 Fax: (330) 494-5383  
[www.liquidcontrol.com](http://www.liquidcontrol.com)

e-mail: [salesinfo@liquidcontrol.com](mailto:salesinfo@liquidcontrol.com)

# Specifications

- **A Pump:** 1/2" and 3/4" diameter rods available standard.
- **B Pump:** 1/2" and 3/4" diameter rods available standard.
- **Volumetric Ratio Capacity:** 1:1 standard. Special ratios available upon request.
- **Shot Size Capability:** 1 cc to 29 cc standard. (Approximately 1 gram to 32 grams depending on specific gravity of silicone.)
- **Mixer:** Multipass motionless Posimixer with three 1/2" diameter x 8 stainless steel elements that are removable for cleaning. Mixer can also be readily removed from the Posimeter to place in a refrigerator to extend the pot life and eliminate cleaning.
- **Material Feed Methods:** 5 gallon pail and 55 gallon drum transfer pump and ram assemblies. Multiple Posimeters can be fed from one set of transfer pumps.
- **Machine Controls:** Electro-pneumatic NEMA 12 control panel with air regulator and gauge for flow rate control and PLC to control all machine functions. Existing injection molding machine controls can also be integrated with the Posimeter controls.
- **Machine Drive:** 4" diameter x 2" stroke air cylinder standard. Power factor of 32:1 with 1/2" metering rods and 14:1 with 3/4" metering rods.
- **Options:**
  - Optional cooled shut-off valve at nozzle
  - Optional pressure transducers for process monitoring
- **Accuracy:**  $\pm 1\%$  cycle to cycle.
- **Service Requirements:** Air – 2-4 SCFM @ 100 psi.  
Electric – 120V/1/60

*Posimeter mounted on a liquid silicone molding machine with 5 gallon pail transfer pumps.*



Corporate Office: 8400 Port Jackson Ave. NW North Canton, OH 44720-5464  
Phone (330) 494-1313 • FAX (330) 494-5383 • [www.liquidcontrol.com](http://www.liquidcontrol.com)