

Precision Meter Mix Dispensing Solutions

FRC - Fluid Research Corporation is the engineering innovator, defining the future of meter and mixing technology. FRC's systems utilize our patented Progressing Cavity pump technology and proprietary system controls to deliver the world's most accurate and reliable metering mix systems for reactive plural component polymers and single component media. Dispensing systems with PC pumps simply operate more efficiently and consistently than conventional dispensing. FRC pumps exhibit exceptional resistance to abrasive/filled content and chemically aggressive fluids. Suitable for single or multi-component applications, FRC pumps are precision made in the USA. Operational advantages include constant volume at variable speeds, continuous flow, few moving parts, low maintenance and no cycle time delays for cavity recharge.

Turn to the recognized leader in the engineering and manufacturing of meter, mix and dispense equipment for materials including epoxy, polyurethanes, silicones, acrylics, urethanes, adhesives, paints, pastes, abrasive materials and more. FRC systems work for you, with a solution ideally suited to meet your specific material and application requirements.



N-2000 Series

The N-2000G is a cart mounted, digitally controlled, positive displacement dispensing system designed to be an economical platform for low volume 2-part dispensing.

Mix Ratios: 1:1 to 20:1

Viscosity Range: 1 to 50,000 cps

Flow rate: 0.05cc to 98cc per second

Shot size: 0.5cc to 500cc

Accuracy: +/- <2%

Shop Air: 100 PSI <1 CFM

Power Options:

100 – 240 VAC Single Phase
50/60 Hz

Dimensions: 24" x 32" x 63"

Weight: 150 lbs.

T-Series

The T-Series includes FRC's proprietary microprocessor controls with a touch-pad user interface. Capable of up to 40 stored dispense programs coupled with the lowest industry maintenance requirements make this meter mix system the most reliable cost effective machine available.

Mix Ratios: 1:1 to 20:1

Viscosity Range: 1 to 500,000 cps

Flow rate: 0.26cc to 98cc per second

Shot size: 0.25cc to 10,000cc

Accuracy: +/- <1%

Shop Air: 100 PSI <1 CFM

Power Options:

100 – 120 VAC Single Phase
208 – 240 VAC Single Phase
208 VAC 3 Phase
50/60 Hz

S-Series

The S-2000 includes FRC's proprietary Software programming controls with a touch-screen user interface. This system will handle multi-component materials up to 4 part formulations.

Mix Ratios: 1:1 to 20:1

Viscosity Range: 1 to 2,000,000 cps

Flow rate: 0.26cc to 98cc per second

Shot size: 0.25cc to 10,000cc

Accuracy: +/- <1%

Shop Air: 100 PSI <1 CFM

Power Options:

100 – 120 VAC Single Phase
208 – 240 VAC Single Phase
208 VAC 3 Phase
50/60 Hz

MMU

The Material Management Unit™ (MMU) from FRC is designed specifically to address material handling issues and provide consistent delivery meter, mix and dispense system. FRC offers many material management solutions

Configurations Per Tank *(as required per material)*

- 5, 10 and 15 Gallon Stainless tanks
**Larger tanks available*
- Agitation
- Agitation + Heat
- Agitation + Degass
- Agitation + Heat + Degass
- Material Recirculation
- Auto Fill
- Dry air / N2 Fitting
- Level sensing
- Constant pressure servo
- NeverEmpty (4 tank configuration)



BMP

The new Bulk Material Preparation System is the latest Material Management product from FRC. Dispense directly from 15, 30 or 65 gallon prep or auto replenish existing material tanks.

- Heating
- Vacuum (Bulk or Thin Film)
- Agitation
- Low and High Level sensing with Auto Replenishment capability from bulk supply
- Agitation + Heat + Degass
- Output auto fill to existing dispensing system.



** Specifications and information as noted is subject to change without notice.*