

# X-100

The X-100 is a single component dispensing system featuring Fluid Research's proprietary positive displacement pump technology and microprocessor digital control, maintaining accuracy and repeatability with every shot. These units can be benchtop or free standing. They can process materials from cartridges, tanks, 5 gallon pails or 55 gallon drums.

The X-100 can dispense almost any material including thermal interface materials, RTV silicones, brazing paste, and UV cure. Materials range from water thin to very thick, highly filled and abrasive or unfilled. The X-100 incorporates fully programmable induction motors that allow for consistent and repeatable shot volumes or flow rates. The microprocessor controlled unit enables users to program, store and recall up to 70 dispense programs or routines.

System calibration is simple and fast. Simply take calibration shots and enter those values into the interface and the unit does the rest! The entry of these values adjusts flow rate and/or shot volumes and stores them for easy recall.

A pulse of the progressing cavity pump in reverse after dosing will virtually eliminate dripping or leaking and provides a clean thread break.



## OPTIONS AVAILABLE

- 5 gal pail ram
- 55 gal drum ram
- 1/10th gallon cartridge pusher
- Pressure tank
- Food grade stainless steel
- Shots after empty
- Auto-recirculation
- Mounted stand

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### X-100 Integration

The X-100 can be supplied as a benchtop, free standing or integrated system. It can easily and seamlessly integrate with Fluid Research's automation or automation/work cells supplied by others. The pump assembly includes an appropriately sized progressive cavity pump, a planetary gearbox, and a servo-motor. An optional tabletop stand for the pump is also available.

The X-100's digital controller allows for pre-programmed shot volumes and flow rates to be accessed by the interface or external automation controls. The control box is constructed of coated steel and features a digital interface, an On/Off button, a "Machine Ready" indicator, a "Low Level" indicator for an external level sensor, and an emergency stop button. The control box also provides simple integration to remote control of the unit.

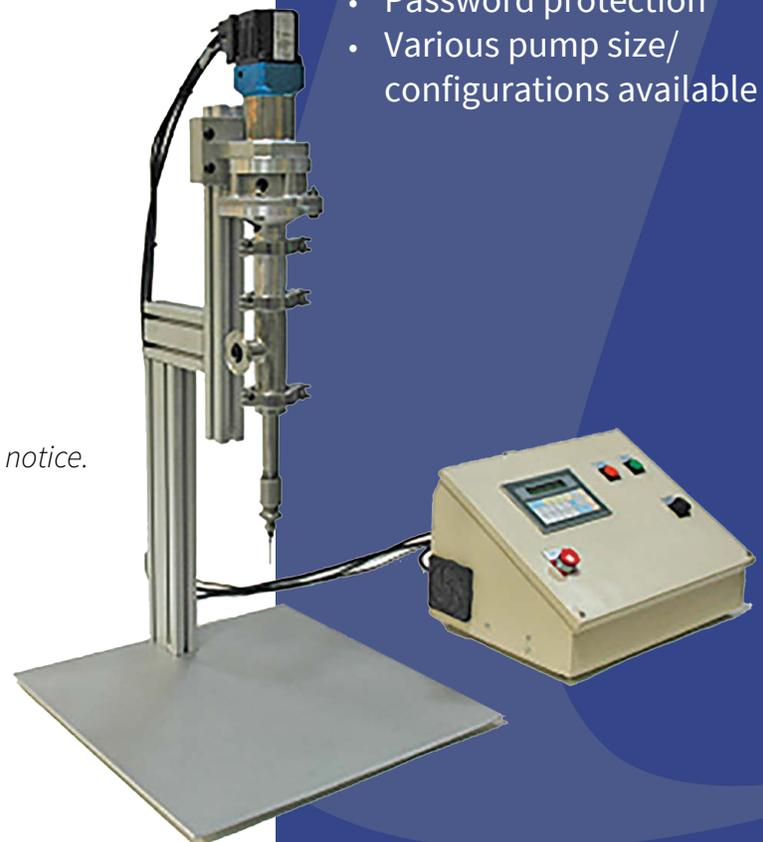
### SPECIFICATIONS\*

Viscosity Range:	1 to 1,000,000 cps
Flow Rate:	0.03cc to 25cc per second
Shot Size:	0.03cc and up
Accuracy:	+/- 2% (material dependent)
Power:	100 – 240 VAC Single Phase 50/60 Hz

*\* Specifications and information is subject to change without notice.*

### FEATURES

- Touchpad interface
- Up to 70 storable programs
- Abrasion resistant
- "Suck back" capable
- Extremely gentle material conveyance
- Timed/Continuous flow rate
- Programmable reverse flow
- 1 1/2" Tri clamp inlet connection
- Password protection
- Various pump size/ configurations available



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