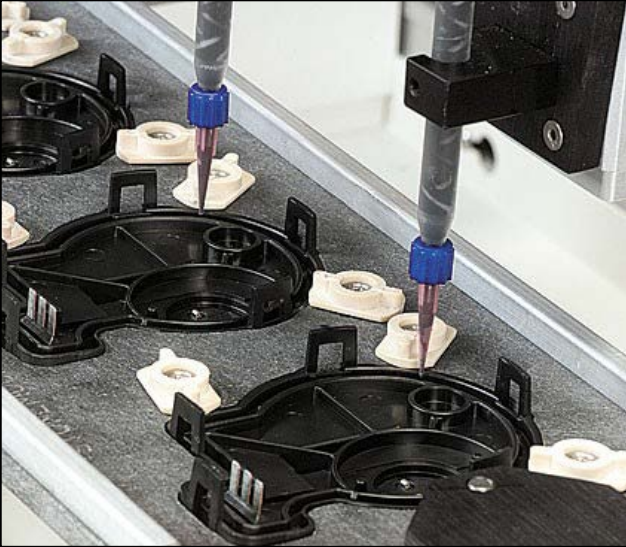




**WHERE  
PRECISION  
DRIVES  
PRODUCTION**



## **ROD DISPLACEMENT SPECIFICATIONS**

### **Mix Ratio:**

Fixed or variable 1:1 to 15:1

### **Viscosity Range:**

10 to 1 million cps

### **Maximum Shot Size:**

60 cc or 120 cc available  
(continuous flow available  
with back to back metering  
systems)

### **Flow Rate:**

0.5 to 500 cc/min



## **MX1000 ROD DISPLACEMENT METER-MIX DISPENSING**

PVA's MX1000 series rod displacement systems are ideal choices for meter-mix dispensing applications using heavily filled, abrasive materials. The rod displacement design eliminates metal to metal contact and does not contain wearable dynamic seals.

Closed loop servo drives enable the operator to program the mix ratio, shot size, flow rate, pressure control, vacuum degas, recirculation, and auto purge functions via a menu-driven HMI.

PVA's rod displacement metering systems have many integrated features including:

- ▲ Carbide rod for long life
- ▲ Rugged steel frame eliminates tie rod design for easy set up and maintenance
- ▲ Four carbide rod sizes available for superior resolution

For more information on PVA's automated dispensing capabilities, please contact one of our sales representatives at (518) 371-2684.

### **MX1000**

Ideal for close ratio materials and materials containing abrasive fillers in both A and B components

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tel 518 371 2684  
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## METER-MIX DISPENSING SYSTEMS

PVA manufactures single and plural component metering systems customized to each specific requirement. Standalone metering systems not integrated onto a PVA robotic platform come with a standalone controller allowing multiple dispensing profiles to be stored. Within each profile, automatic purge modes and variable flow rates are available. PVA metering systems feature closed-loop servo drives for added repeatability and dispense volume accuracy. All standalone meter-mix systems include an enclosure and are mounted in a frame or custom cart with casters.

### Material Delivery Systems:

- One liter to 30 gallon pressure vessel options
- Cartridge retainers and pumps
- Five gallon pail and 55 gallon drum pumps
- Automatic material crossover options
- High pressure material regulators and filters

### Optional Process Control Features:

- Low level material sensors
- Material agitators
- Vacuum degassing
- Heated hose assemblies
- Material tank and valve heating
- Recirculation systems
- Material flow monitoring with data collection

	Model	Type	Ratio	Flow Rate	Viscosity	Application
<b>DISPENSE VALVES</b>	PC200-TCM	Snuff Back	1:1	High	Med to High	Abrasive Materials
	PC200R-SS	Snuff Back	1:1 or Wide	Med	Low to High	Reduced Snuff Back
	PC200RW-SS	Snuff Back	Wide	Med	Low to High	Wide A/B Viscosity Delta
	DX100-CR	Snuff Back	1:1 or Wide	High	Low to Med	Difficult to Mix Materials
	DX100-WR	Front Closing/Snuff Back	Wide	Med	Low to Med	Difficult to Mix Materials

All metering systems are servo driven.

## TYPICAL APPLICATIONS

- Potting and encapsulation
- Form in place gasketing
- Laminating
- Sealing
- Adhesive / assembly operations
- Coating

## KEY MARKETS

- Automotive
- Electronics
- Solar and wind energy
- Aerospace
- Consumer goods
- Medical

