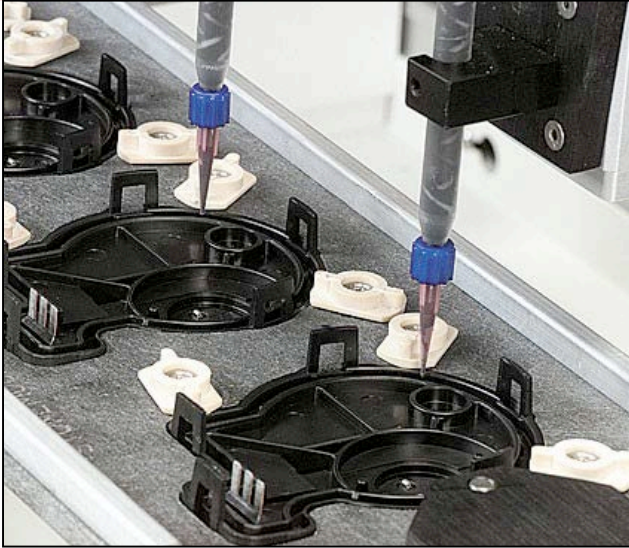




**WHERE
PRECISION
DRIVES
PRODUCTION**



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 / MX1500

ROD DISPLACEMENT METER-MIX DISPENSING

PVA's MX1000 and MX1500 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 additional 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

MX1500

Ideal for wide ratio materials where the B component does not contain abrasive fillers

One Mustang Drive
Cohoes NY 12047
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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 |
|-----------------|---------|---------------|-------------|-----------|-------------|---|
| DISPENSE VALVES | PC100 | Front Closing | 1:1 or Wide | Low | Low to Med | Small Shots Wide A/B Viscosity Delta |
| | PC200 | Snuff Back | 1:1 or Wide | High | Med to High | Abrasive Materials |
| | PC200R | Snuff Back | 1:1 or Wide | Med | Low to Med | Reduced Snuff Back Abrasive Materials |
| | PC200RW | Snuff Back | Wide | Low | Low to Med | Small Shots Abrasive Materials Wide A/B Viscosity Delta |
| | PCD200 | Dynamic | 1:1 or Wide | Med | Low to Med | Difficult to Mix Materials |
| | PC300 | Front Closing | 1:1 or Wide | Med | Med to High | Wide A/B Viscosity Delta |
| | PC400 | Snuff Back | 1:1 or Wide | High | Low to High | Ultra High Flow Rate |

| | Model | Max Shot* (cc) | Viscosity (cps) | Mix Ratio (1:1 to 20:1) | Maximum Pressure |
|-------------|-----------|----------------|-----------------|--------------------------------------|------------------|
| MMX SYSTEMS | MX1000-F | 60 | 10 to 1 million | Fixed** or single component metering | 1000 |
| | MX1000-VR | 60 or 120 | 10 to 1 million | Variable | 1000 |
| | MX1500-VR | 33 or 66 | 10 to 1 million | Variable | 1000 |

* Dependent upon ratio and rod size. Continuous flow versions available.

** 1:1 fixed -ratio available as standard. For other ratios use MX1000-VR.

All metering systems are servo driven. "VR" models have dual independent servo drives.

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

