WHERE
PRECISION
DRIVES
PRODUCTION

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

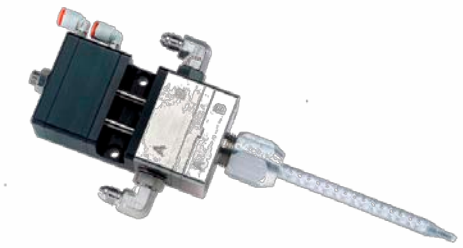
ROD DISPLACEMENT SPECIFICATIONS

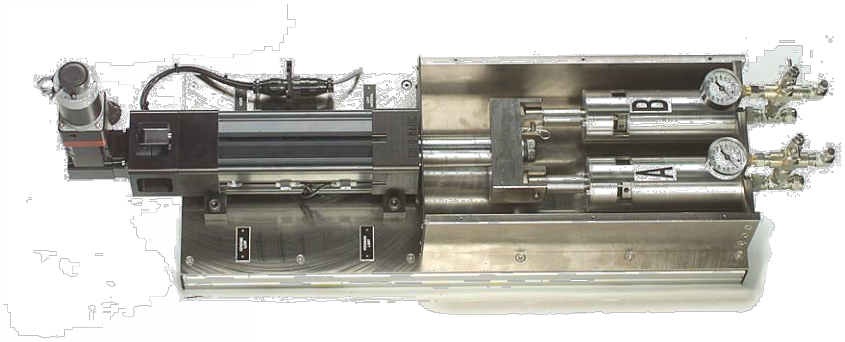
Mix Ratio:
Fixed or variable 1:1 to 15:1

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





One Mustang Drive
Cohoes NY 12047
tel 518 371 2684
fx 518 371 2688
www.pva.net

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

DISPENSE VALVES	Model	Type	Ratio	Flow Rate	Viscosity	Application
	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

MMX SYSTEMS	Model	Max Shot* (cc)	Viscosity (cps)	Mix Ratio (1:1 to 20:1)	Maximum Pressure
	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