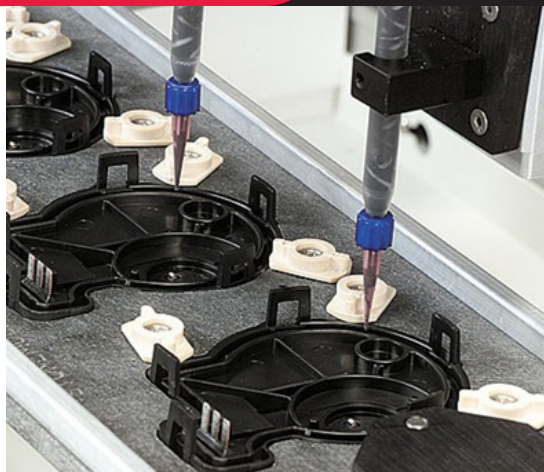




**WHERE
PRECISION
DRIVES
PRODUCTION**



GEAR PUMP SPECIFICATIONS

Mix Ratio

Fixed or variable 1:1 to 10:1

Viscosity Range

100 - 1 million cps

Maximum Shot Size

Infinite

Flow Rate

1 - 3000 cc/min



MX4000

Gear Pump Meter Mix Dispensing System

The MX4000 Series Gear Pump Systems are an ideal choice for most non-abrasive meter mix dispensing applications. Gear pump designs feature continuous material flow with no recharging necessary. PVA pumps are designed specifically for processing a wide range of adhesives and sealants.

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.

The gear pump metering systems have many additional integrated features including:

- Continuous pulse-free flow
- High pressure capability up to 4000 psi
- Wide viscosity range up to 1 million cps
- Superior resolution as pumps are sized to each application

For more information, please contact PVA at info@pva.net or (518) 371-2684.

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 material tank, hose assemblies
- Recirculation systems
- Material flow monitoring with data collection

*All metering systems are servo driven

Dispensing Valves					
Model	Type	Ratio	Flow Rate	Viscosity	Application
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 Data
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

Typical Applications

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

Key Markets

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