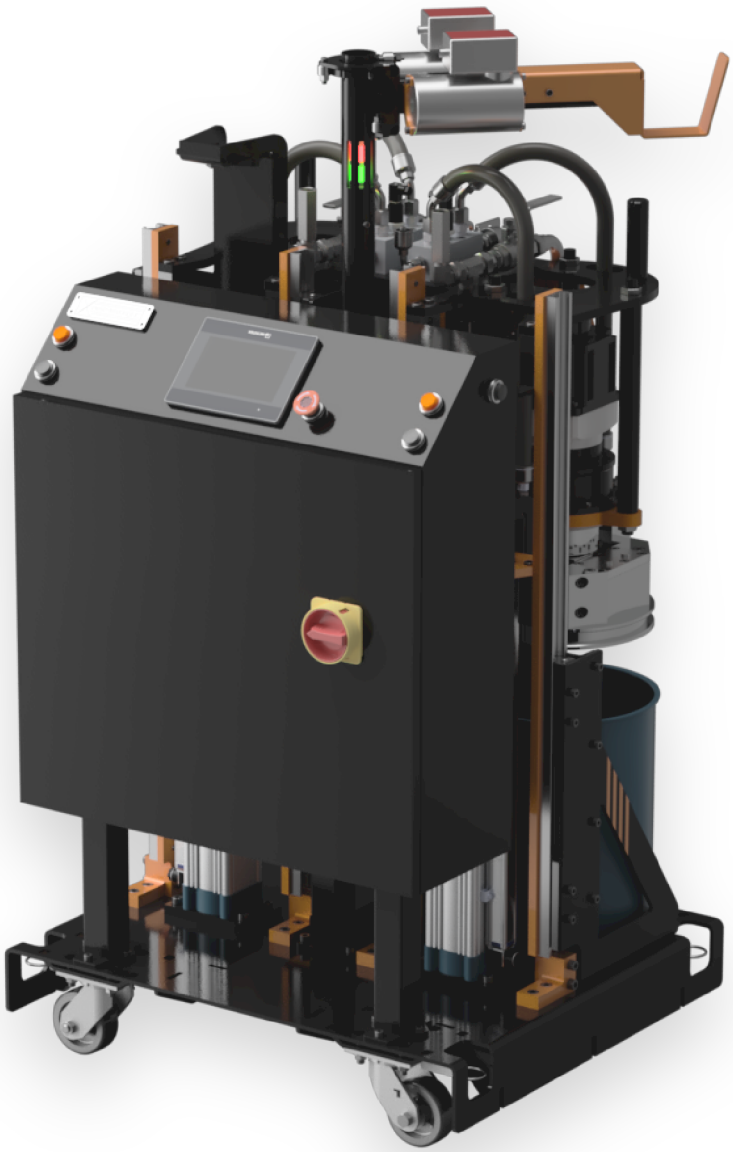
PRODUCT BROCHURE

MULTIFLOW P4000

5-GALLON 2K METERING, MIXING & DISPENSING SYSTEM

Servo-driven plunger pumps meter two-component materials from 5-gallon pails at up to 4 kg/min and 300 bar, with every shot, ratio and flow rate set from the touchscreen.



FLOW RATE	OUTPUT PRESSURE	MIX RATIO	VISCOSITY
4 kg/min	300 bar	10:1 turndown	3M mPas

DESIGNED & BUILT BY BEST METERING INC.
BRACEBRIDGE, ONTARIO

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✉ sales@bestmetering.com

EQUIPMENT OVERVIEW

MULTIFLOW P4000 AT A GLANCE

PARAMETER	DETAILS
Machine Type	5-gallon two-component (2K) metering, mixing and dispensing system
Pump Technology	Plunger pumps, servo controlled for precise metering
Controls	Touchscreen PLC
Flow Rate	Up to 4 kg/min, programmable
Mix Ratio	100:100 to 100:10 (10:1 turndown)
Viscosity Range	3,000 to 3,000,000 mPas
Output Pressure	Up to 300 bar (4,400 PSI)
Shot Size	Programmable
Calibration	Calibratable for different fluids and viscosities
Material Supply	5-gallon pails with standard pail lift controls and pail level indication
Dispensing Options	Stationary mix head, or triggered mixing gun with hose whip
Optional	Volume counters / 1K configuration with automatic pail changeover

The Multiflow P4000 is engineered, built and supported by Best Metering Inc. — a pail-fed 2K system that handles everything from medium-viscosity urethanes to heavily filled pastes on the same machine.

KEY FEATURES

FEATURES & CAPABILITIES

01 **Servo-controlled plunger pumps** for precise, repeatable metering

02 **Touchscreen PLC** puts every setting on one screen

03 **Programmable shot sizes** and flow rates up to 4 kg/min

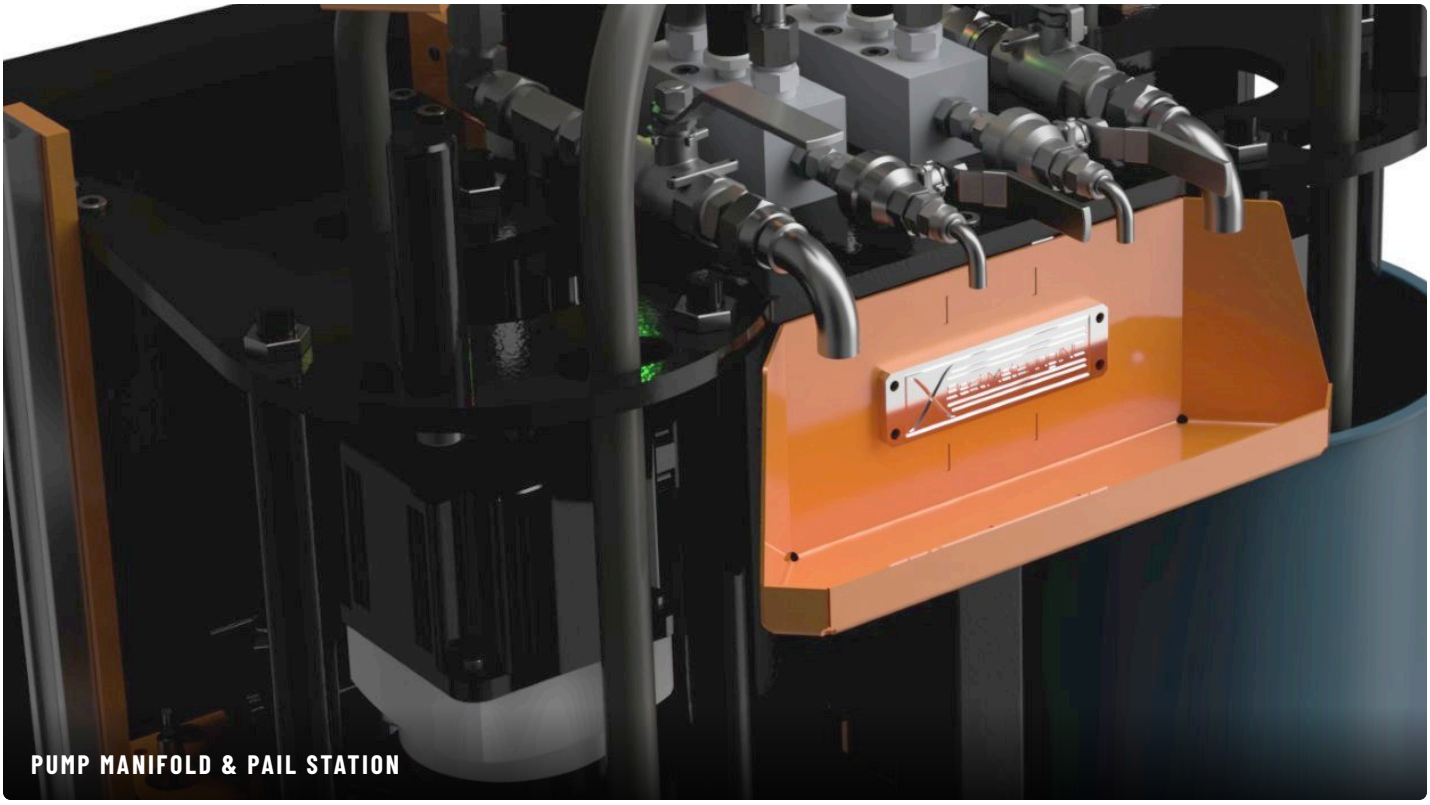
04 **10:1 turndown** — ratios from 100:100 to 100:10

05 **Calibratable** for different fluids and viscosities

06 **Material usage recording** for quality and cost control

07 **Pressure controls** with output up to 300 bar (4,400 PSI)

08 **Pail level indication** and standard pail lift controls



PUMP MANIFOLD & PAIL STATION

PERFORMANCE & CONTROL

BUILT FOR PRECISION

FLOW RATE	PRESSURE	RATIO	VISCOSITY
4 kg/min	300 bar	100:10	3K–3M mPas
Programmable	4,400 PSI output	up to 100:100	Including filled materials

SERVO PLUNGER PUMPS

Plunger pump technology driven by servo motors gives precise control of ratio and flow, for materials from 3,000 to 3 million mPas.

TOUCHSCREEN PROGRAMMING

- Programmable shot sizes
- Programmable flow rate
- Calibration for each fluid and viscosity
- Pressure controls

QUALITY & COST TRACKING

- Material usage recording for every job
- Data for quality records and cost control
- Volume counters available as an option

PAIL HANDLING

Runs directly from standard 5-gallon pails. Standard pail lift controls and pail level indication let operators see supply at a glance and change pails quickly.

DISPENSING OPTIONS

- Stationary mix head for fixed-station dispensing
- Triggered mixing gun with hose whip for hand dispensing

1K CONFIGURATION

The P4000 can also be set up as a 1K system with automatic pail changeover, so production continues while an empty pail is replaced.

APPLICATIONS

MATERIALS & INDUSTRIES

TYPICAL MATERIALS

Handles materials from 3,000 to 3,000,000 mPas, including filled compounds.

- Adhesives
- Silicones
- Urethanes
- Epoxies
- MMA
- Filled materials

MANUFACTURING INDUSTRIES

Used wherever 2K materials need accurate ratio and repeatable output.

- Automotive
- Marine
- Aerospace
- Electronics
- Wind & wind blade repair
- Composites
- Construction

CONFIGURED FOR YOUR APPLICATION

The P4000 is calibratable for different fluids and viscosities. Tell us what you're running and how you apply it, and we'll recommend the right mix head or gun setup and options for your line.

READY TO DISCUSS YOUR APPLICATION?

Contact Best Metering Inc. — designers and builders of the Multiflow P4000.

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