

MOLD-MAN™ 4000

Low-Pressure Injection Molding Technology

“Manual - Low Pressure Molding Machine”

It's Just Your Basic Mold-Man

The Mold-Man 4000 gives you our advanced technology in a manually operated, lower cost machine that can be upgraded when you're ready.

Main Features

Manually operated, low pressure insert molding machine. Easy access from 3 open sides for inserting and removing components.

Clamp is opened and closed manually using extra durable toggle system.

Standard mold set halves are approximately 5" x 6" x 2".

Raw material is processed through Mold-Man proprietary melt reservoir, gear pump and pressure control.

Melting time for raw material is 30 to 45 minutes.

Raw material reservoir capacity is 10 lbs.

Reservoir extension holds and preserves un-molten material, which will melt on demand.

Simple temperature control adjusts to 475°F/245°C.

Adjustable timer for molding and cooling cycles.

Proven Mold-man™ injection pressure system. Allows pressure range from 15 to 300 psi.

Operates on regular shop air of 100 psi.



Mold-Man 4000

Manually operated machine.

Options

Welded Stand of powder coated steel has highly durable surfaces and provides extra stability.

Ejector System with Manumatic feature includes pneumatic cylinder, actuator and all fittings.

Chiller Kit for water-cooling upper and lower mold platens includes durable chiller, hoses and fittings.

Stand: locates mold-set parting-line at ergonomically ideal 44" level above floor. Front cross member functions as foot rest as well.



MOLDTMMANTM 4000

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“ Manual - Low Pressure Molding Machine ”

Mold-ManTM 4000 Product Specification Sheet

Dimensions & Weight (including optional stand) English

	English	Metric
Height - with optional stand	57"	1450 mm
Width - with optional stand	26.5"	675 mm
Depth - with optional stand	31.5"	800 mm
Weight - with optional stand	310 lb.	140 kg

Power & Air Requirements

Voltage	230 VAC, Single Phase, 60 Hz or 50 Hz	
Power	1650 W	
Air Pressure	100 psi	7 bar
Air Volume	0.5 SCFM	15 lpm

Standard Features

Clamp	Manual toggle	
Clamping Force	1 ton	10 kn
Clamp Stroke	4"	100 mm
Mold-set Dimension	5.906" x 4.921"	
Mold Thickness	1.890" each half	
Injection Nozzle	Permanent engagement	
Mold-set Cooling	Cross-drilled mold platens	
Melt Reservoir	10 lb. self draining	4 liter (4.5 kg) self draining
Melt Temperature	Up to 475°F	Up to 245°C
Gear Pump Capacity	40 lbs/hour	18 kg/hour
Pump Motor	1/8 HP	0.09 kW / 90 W
Injection Pressure	15 to 300 psi	1 to 20 bar
Shot Size	0.02 to 3 ounces, typically	0.5 to 100 grams, typically
Molding Cycle	Standard injection and cooling cycles. Adjustable within 0.1 seconds	
Safety Features	Emergency stop palm button	
	Manual toggle clamping	
	Opening clamp during molding cycle stops material flow	

Mold-ManTM 4000 Options

Welded Stand 2" x 2" Tubing	H 30.5" x W 26.5" x D 31.5"	H 775 mm x W 675 mm x D 800 mm
Manumatic Ejector Kit	Kit includes, pneumatic cylinder, auctation button, hoses and fittings	
Mold-set Cooling Kit	Kit includes, chiller, hoses and fittings	

Cavist reserves the right to make changes in specifications at anytime without notice.

