

Chen Hsong JM Mark 6 Series Molding Machines

The JM Mark 6 Series is the next generation after the well-known JM SVP2 Series from Chen Hsong. This series takes the best features from the JM series and adds a faster and more robust platen and toggle design. The Mark 6 Series is the ultimate in reliability and flexibility at an unbelievable price!

Standard Features:

- Energy Saving Inovance Servo Pumps
- Powerful B&R Controller
- 2 Core Pull Circuits
- 2 Air Blow Circuits
- High Torque Screw Drive
- Eject in Parallel with Clamp motion
- Multiple Ejector Control
- Precise Barrel and Nozzle Temperature Control
- Electrical, Mechanical and Hydraulic Safeties
- Water Flow Meters
- Spare Parts Kit— Heaters Bands, Leveling Pads, Filters and Mold Clamps
- CE Declaration
- Euromap Standards
- E67 Robot Interface
- 2-Year Limited Factory Warranty—Parts & Labor!
- 3-Year Limited Warranty on Frames & Castings

Available Options:

- Special Screw and Barrel Designs— High Mixing, Rigid PVC, PET, PMMA, Reinforced Nylon and more
- Additional Core Pull and Air Blast Circuits including special programming
- Peripheral Pump for Independent control of ejector speed & pressure when ejecting on the fly
- Shut off nozzles
- Integrated Valve Gate Controls (blocks of 4)
- Integrated Hot Runner Controls (blocks of 8)
- High Heat Packages
- Apex Sprue Pickers or 3-Axis Servo Robots (5-Axis Units available as well for 3-plate molds)



JM 168 Mark 6 Series

Unit of Measure	A	B	C
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INJECTION UNIT

Screw Diameter	Inches	1.61	1.81	2.04
	mm	41	46	52
Screw L/D ratio	L/D	23.6	21	18.6
Shot volume	In ³	18.55	23.31	27.09
Shot size (PS)	Ounces	9.7	12.3	15.7
	Grams	276	348	444
Inj. Pressure (max)	PSI	33680	26754	20225
Inj. Rate	In ³ /sec	8.42	10.61	13.54
Screw Stroke	Inches (mm)	9.05 (230)		
Screw Rotation Speed (max)	RPM	224		
Nozzle Forward Force (max)	US-Tons	6.83		
Nozzle Stroke	Inches (mm)	12.99 (330)		

CLAMPING UNIT

Clamping Force	US-Tons	185
Open Stroke	Inches	17.71
Space Between Tie bars	Inches (mm)	18.5x18.5 (470x470)
Platen Size	Inches (mm)	26.77x26.77 (680x680)
Mold Thickness (Min-Max)	Inches (mm)	6.69-20.47 (170-520)
Maximum Daylight	Inches (mm)	38.18 (970)
Ejector Force	US-Tons	4.63
Ejector Stroke	Inches (mm)	5.51 (140)
Mold Register Hole	Inches (mm)	4.92 (125)

POWER

System Pressure	PSI	2538
Motor Power	KW (HP)	22 (29.9)
Electric Heating Power	KW	12.9
Temperature Control Zones		3+1

OTHER INFORMATION

Machine Dimensions (L*W*H)	Inches	215x51x75
	Meters	5.5x1.3x1.9
Oil Tank Capacity	Gallon	72
Machine Weight (Approx.)	Lbs	10890



Technology Creates the Future

60 Years of Focus, Determined to Continue Innovating

Chen Hsong is committed to continuous improvement.

Specifications are based on current standard models and are subject to change.