

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 468 Mark 6 Series

| Unit of Measure | A | B | C |
|-----------------|---|---|---|
|-----------------|---|---|---|

INJECTION UNIT

| | | | | |
|----------------------------|----------------------|-------------|-------|-------|
| Screw Diameter | Inches | 2.95 | 3.26 | 3.54 |
| | mm | 75 | 83 | 90 |
| Screw L/D ratio | L/D | 23.2 | 21 | 19.4 |
| Shot volume | In ³ | 111.85 | 137 | 161.1 |
| Shot size (PS) | Ounces | 58.9 | 72.1 | 84.7 |
| | Grams | 1668 | 2043 | 2403 |
| Inj. Pressure (max) | PSI | 30025 | 24521 | 20851 |
| Inj. Rate | In ³ /sec | 26.97 | 33.01 | 38.81 |
| Screw Stroke | Inches (mm) | 16.33 (415) | | |
| Screw Rotation Speed (max) | RPM | 180 | | |
| Nozzle Forward Force (max) | US-Tons | 12.23 | | |
| Nozzle Stroke | Inches (mm) | 21.25 (540) | | |

CLAMPING UNIT

| | | | | |
|--------------------------|-------------|-------------------------|--|--|
| Clamping Force | US-Tons | 515.8 | | |
| Open Stroke | Inches | 32.28 | | |
| Space Between Tie bars | Inches (mm) | 32.67x32.67 (830x830) | | |
| Platen Size | Inches (mm) | 46.85x46.85 (1190x1190) | | |
| Mold Thickness (Min-Max) | Inches (mm) | 11.81-33.46 (300-850) | | |
| Maximum Daylight | Inches (mm) | 65.74 (1670) | | |
| Ejector Force | US-Tons | 18.29 | | |
| Ejector Stroke | Inches (mm) | 8.66 (220) | | |
| Mold Register Hole | Inches (mm) | 7.87 (200) | | |

POWER

| | | | | |
|---------------------------|---------|-----------|--|--|
| System Pressure | PSI | 2538 | | |
| Motor Power | KW (HP) | 72 (97.9) | | |
| Electric Heating Power | KW | 35.5 | | |
| Temperature Control Zones | | 5+1 | | |

OTHER INFORMATION

| | | | | |
|----------------------------|--------|-------------|--|--|
| Machine Dimensions (L*W*H) | Inches | 344x80x89 | | |
| | Meters | 8.8x2.1x2.3 | | |
| Oil Tank Capacity | Gallon | 251 | | |
| Machine Weight (Approx.) | Lbs | 43651 | | |



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.