



SPOmatic Automatic High Pressure Molding Machines

SPOmatic Automated High Pressure Molding Machines are the premier high-production green sand molding equipment in the industry. Lines and custom systems are custom designed and engineered to specific production requirements. Molding machines and systems are available in a range of styles, sizes and mold rates. Pneumatic squeeze pressures range up to 55,000 kg; hydraulic squeeze pressure up to 272,000 kg. Subject to system layout and mold flask size, a SPOmatic system is capable of producing up to 300 quality molds per hour, while realizing molding pressures up to 17 kg per sq. cm.

Mold Squeeze Cylinder: Over head "sand free" location for easy accessibility and maintenance

Prepared Sand Metering Box: Prepared molding sand is metered to each mold flask to minimize sand requirements

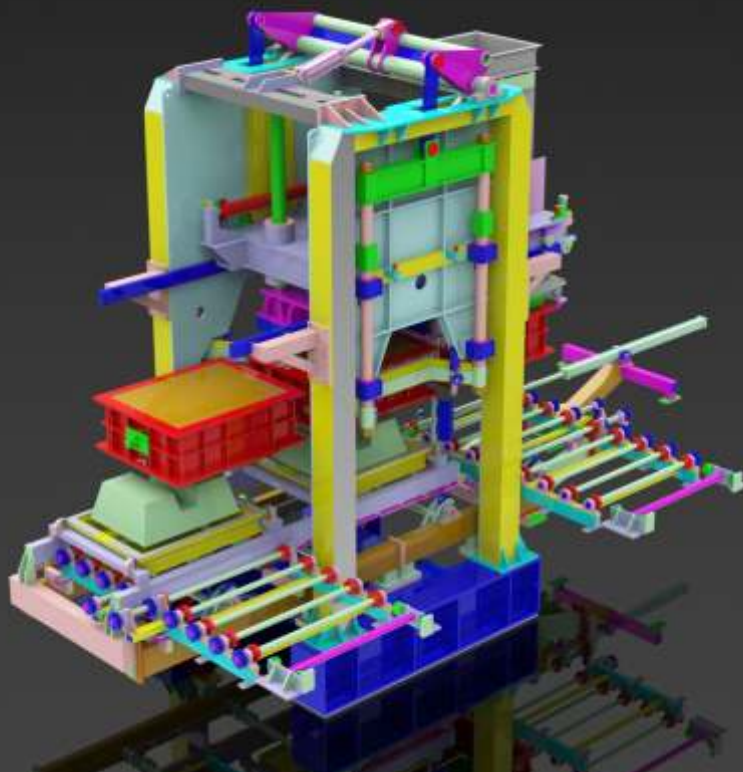
Prepared Sand Aerator: Increases sand flowability to insure uniform prepared molding sand placement in the mold flask

Compensating Squeeze Head: Available with zone control or universal-adjustable lock-type features to insure uniform squeeze pressure on mold surface, irrespective of pattern contour

Flask Lowerator & Mold Strip Unit: Located in "sand free" area to insure accurate flask placement and mold stripping alignment

Pattern Shuttle or Pattern Cycling System: Operates within the cycle time of the molding machine for alternative pattern or pattern change operation. Multiple pattern systems are available.

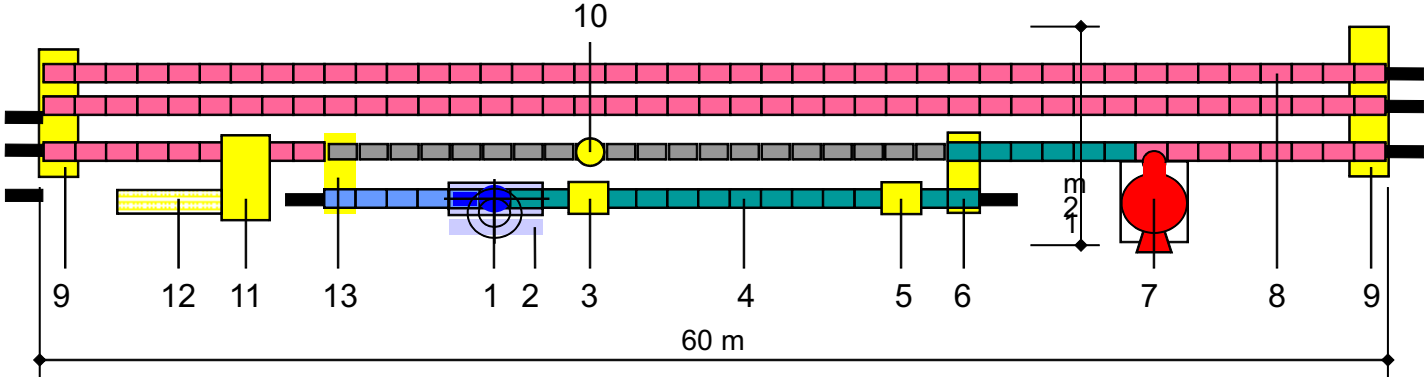
Mold Jolt and/or UP-RAP unit: Insures a denser and more uniform mold, especially desirable in deep draw patterns.



At EMI, we have your specific solutions to your molding and core room production requirements.

We offer both NEW and REMANUFACTURED equipment to satisfy your budget.

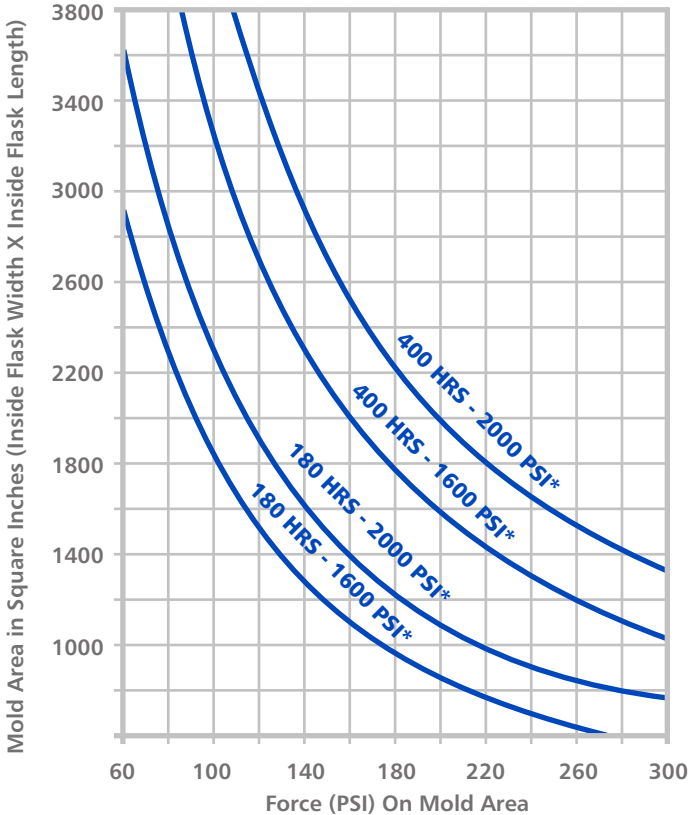
Typical Molding Line 120 Molds / Hour



- 1 Molding machine
- 2 Pattern change
- 3 Rollover
- 4 Core setting conveyor
- 5 Rollover
- 6 Cross transport and mold closing
- 7 Pouring furnace
- 8 Cooling lines
- 9 Cross transport
- 10 Palett car cleaning
- 11 Punch-out
- 12 Shake-out
- 13 Cross transport

Medium Size Selector

SPOmatic Hydraulic Molding Machine



*Denotes Hydraulic Pressure of the Molding Machine