

LIMITLESS POSSIBILITIES



EXPERIENCE THE DIFFERENCE

MPI is the worldwide leader in wax-room and ceramic core equipment and the acknowledged leader in wax-room innovations. MPI has developed and introduced more systems and products than all its competitors combined and offers wax-room solutions that can't be found anywhere else.

WAX INJECTORS

MPI's wax and ceramic injection machines are the most sophisticated in the industry and generate higher casting yields, more patterns per hour, reduced scrap, and increased productivity. They're also the most reliable in the industry, which means higher system availability, lower maintenance costs, and better performance.

AUTOMATION

MPI is at the forefront of automation, having automated some of the most complex processes in the investment casting industry for well over a decade. MPI's automated injection and assembly cells provide the capability to make and assemble wax patterns from the simplest commercial parts to complex patterns required by the medical and aerospace industries, including single crystal turbine blades. MPI can automate a single process or implement full-scale automation for your facility.



SA55-25-24
C-Frame Wax Injector



SA20-06-06
Automated Pattern Injection Cell

MPI TECHNOLOGY CENTER

MPI is at its best when it can innovate. MPI prides itself at being able to look at problems and then customize solutions that help clients achieve their goals. The MPI Technology Center is a state-of-the-art wax room that allows MPI to do just that. Located at MPI's world headquarters in New York, the Technology Center is a hub of innovation, ingenuity, and problem solving. Customers and suppliers visit this sophisticated facility to discover new ways to solve their unique wax-room challenges and to experience a totally automated facility in full operation.

MPI EXCELS

Most important, return on investment (ROI) is where MPI excels. MPI supports its customers' bottom line with creative, customized products and services that fit their evolving needs. Through collaboration, we innovate, design, build, and integrate solutions that deliver measurable results.

MPI = ROI



RUBBER AND METAL MOLD WAX INJECTOR



MPI 75-300

One Machine for all Molds! ...The only wax injector designed to run rubber and metal molds. The MPI 75-300 is designed to dramatically increase both the quality and quantity of your wax patterns. Its innovative design and high-performance are the result of advanced technology developed by MPI Incorporated, the leader in wax injection technology for over 45 years.

It has the ability to inject wax at high viscosity (low temperature), reducing cavitation and cycle time. The vacuum evacuation of the rubber mold is consistent every time. The entire mold is placed in the evacuation chamber. No need to rely on a perfect nozzle to mold vacuum seal. Now Rubber molds can be designed with vacuum vents never before possible with nozzle evacuation systems.

MPI 75-300 Series

Rubber and Metal Mold Wax Injector

The MPI 75-300 features:

- Compact self-contained unit
- User friendly front control panel
- Precise control of wax temperature, pressure, flow, and time
- Controls both wax reservoir and nozzle temperatures
- Quick and accurate mold positioning using adjustable die guide strip
- Nozzle extends at start of cycle to positively seal with mold
- Wax injection pressure is adjustable from 0-300 psi (0-21 bar)
- Mold clamp force is adjustable up to 120 pounds (55 kg) of pressure
- Built in vacuum chamber
- Technical support is a phone call or e-mail away
- CE compliant

Features & Options:

QUICKER SET UP

Mold to nozzle alignment, vertical and horizontal, is quick and accurate.

Vertical mold alignment using height adapter platens, allowing for nozzle height adjustment from .5 - 1.25 in. (12.7 - 3.18 mm) in increments of .125 in. (3.18 mm) Custom height platens are available.

Molds are aligned horizon-tally by die guide strip on top of the platen.

EFFICIENT RUN CYCLES

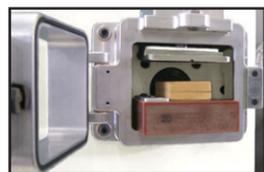
Operator selects vacuum or non-vacuum modes.

Vacuum mode cycle starts automatically when the chamber door is closed.

Non-vacuum cycle is started when the chamber door is closed and the start cycle button is pressed.

Automatic cycle of clamp, inject, and unclamp with or without vacuum.

The MPI 75-300 advanced operating system sets the standard for the jewelry industry. We are confident our new rubber and metal-mold wax injector will improve your bottom line.



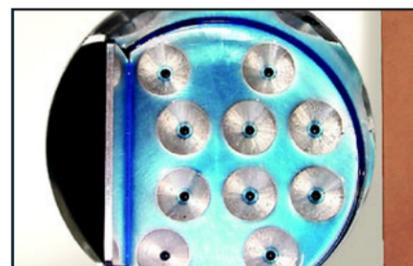
MORE CONTROL

Controls for wax temperature at reservoir and nozzle, injection pressure, wax flow control, cycle time, clamp pressure and selection of a vacuum or non-vacuum cycle are up front, easy to read and simple to adjust.

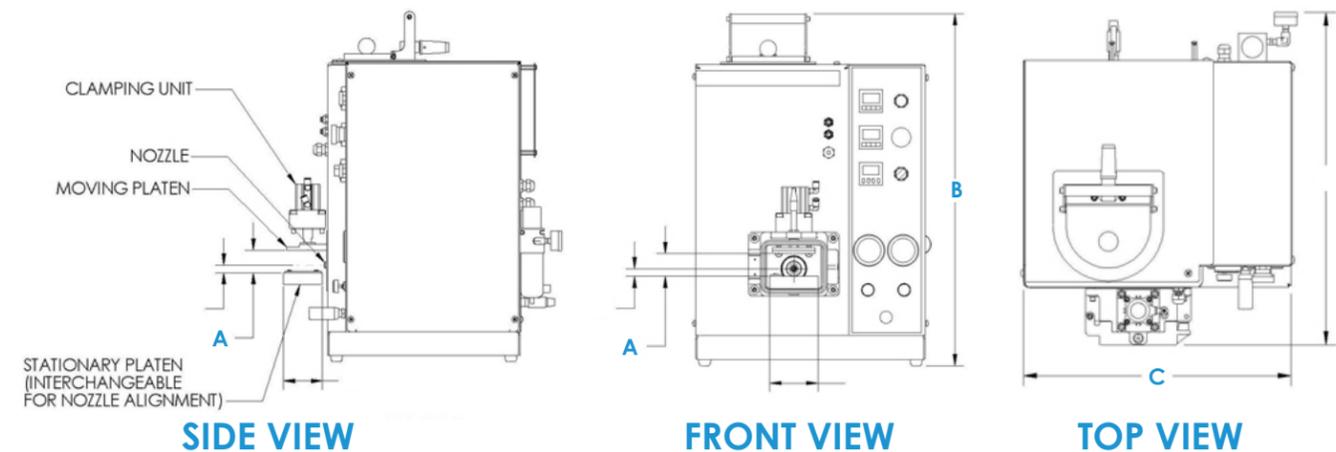
BUILT IN REMOVABLE WAX MELTER MEAN BETTER PATTERNS AND SHORTER CYCLE TIMES

The MPI 75-300 wax reservoir top loading wax melter, eliminates the need for pre-melting wax or waiting to come to operating temperature.

The wax melter is easily removable for wax change over and clean out. A wax reservoir drain is supplied standard.



DS-75-300-09-18-20



MODEL	75-300
Clamp Force	40 - 120 lb
A. Daylight Maximum	1.0 - 2.5 in
B. Overall Height	28.935 in
C. Overall Width	19.1 in
Wax Reservoir Capacity	6.5 lb
Single Shot Capacity	1.0 cu in / .035 lb
Injection Pressure	0 - 300 psi
Injection Rate	0 - 25 cu in/sec
Injection Time	0 - 99.9 second
Electric Standard	120V, 60Hz, 1ph
Air Requirements	4 scfm @ 100 psi
Machine Weight	150 lb

Notes: Optional equipment may alter the machines overall dimensions, weight, and power requirements. Contact MPI sales department for additional information. We reserve the right to change specifications without notice.