

TWO-STATION WAX INJECTOR

High-flow injection system and superior process control

Two 12-ton clamping units on a single frame, utilizing common wax conditioning, electrical and hydraulic systems. Independent wax flow control, wax pressure control and cycle time provide each unit with the ability to create quality wax patterns independent of each other.

One or Two Operators

When injection cycle time exceeds pattern removal time, one operator can easily run both stations (two dies). This doubles your operators efficiency.



...Innovative engineering that doubles your output, doubles your productivity

The MPI 105-12 features:

- Two independent Injection Stations
Injection capacity: 75 cu. in. (1.2 liter)
Horizontal Flex-Noz® Injection nozzle
2-Axis nozzle positioner
- Wax Conditioning Reservoir
- Accurate 7-zone wax temperature control
- CE conformity

Optional features:

- Vertical nozzle - up or down
- Wax melter - MPI Model 97
- Full platen guarding
- Die core pulls
- Pattern ejection
- Quick Change Die Clamping
- Platen temperature control



Wax conditioning Reservoir

Our reservoir does it all... from liquid to paste. Accurately conditions wax to optimum viscosity $\pm 2^\circ\text{F}$ ($\pm 1^\circ\text{C}$) providing consistent results from pattern to pattern regardless of source wax temperature. These units are designed to condition up to 200 lbs. (90 kg.) of wax per hour.

Accurate 7-zone Wax Temperature Control

For maintaining constant, accurate temperatures throughout the system.



Consistent, optimized wax quality maximizes pattern output.

Optional Features

Vertical Injection Nozzle

Replaces standard horizontal nozzle. Machine can be supplied with vertical up or vertical down injection nozzle(s).



Manual Platen Guard

Exceeds CE requirements. The guard must be closed in order to activate auto cycle clamp and injection.



Wax Melter

Mounts directly to Wax Conditioning Reservoir and is activated by the Wax Conditioning Reservoir level control.



Pattern Ejection

Automatic pattern ejection is integrated into the lower stationary platen(s).



QuickChange Die Clamping

Simple, one minute, die mounting with rapid hydraulic clamping of the die to the platens. Nozzle to die alignment is achieved at the same time.



Two Platen Cooling

Superior die temperature control is achieved with each platen being controlled separately.



Pneumatic Die Core Pulls

Automatic sequencing of the die core pulls allow full automation of the die - saving time, and increasing throughput.

