THE LEADING MANUFACTURER OF
WAX-ROOM EQUIPMENT
WORLDWIDE

55

C-FRAME WAX INJECTORS

MPI delivers the most advanced wax-injection machines in the industry to help customers generate better quality wax patterns; leading to higher casting yields, greater throughput for increased productivity and a return on investment that is undeniable.

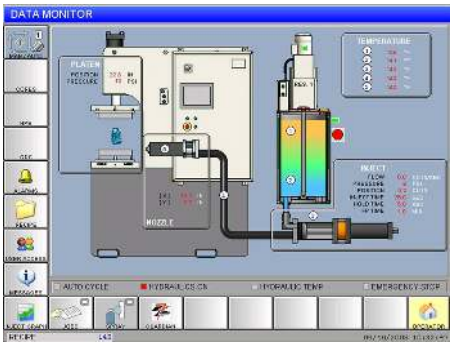
The **MPI 55 series** injector is an incredibly versatile machine. It is ideal for all types of applications from commercial medical and aerospace to thinned walled patterns, cored patterns and everything in between. The MPI 55 series is the most popular model… for good reason.

ERGONOMICS

MPI's unique C-Frame design is the most ergonomically friendly system of its kind, offering the operator easy, unobstructed access to the work area while delivering the uniform die clamping capabilities you need.

PROCESS CONTROL

MPI 55 machines, models SA and SM, are equipped with Smart Controls™, our state-of-the-art process control technology that utilizes user-friendly, Windows-based, injection-control software and intuitive touch-screen display.



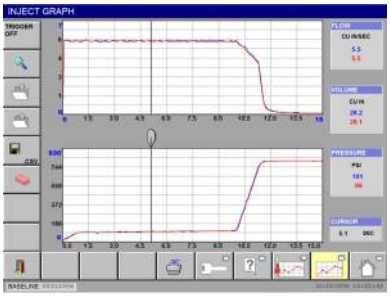
MPI Smart Systems™ consistently monitor and control all variables in real time against your pre-established baselines for wax temperature, wax flow, wax pressure and injection time, resulting in patterns that are consistent and of the highest quality. This technology eliminates the possibility of accidently making an out-of-tolerance wax pattern. No one else even comes close. Best of all, MPI's remote-access technology allows the MPI service department to monitor, diagnose, update or provide new features remotely — anywhere, anytime.

MPI Model 55-100-38 (100 ton, 38 inch daylight), shown with the following options and features:

1. **MPI's Rigid C-Frame**
2. **Two Wax-Conditioning Reservoirs with 5-Zone, Temperature-Controlled Injection System**
3. **Single-Shuttle Table**
4. **Programmable Nozzle Positioning**
5. **Platen Heating and Cooling**

INJECTION CONTROL

MPI delivers the tightest temperature control in the industry. The MPI **5-Zone, Temperature-Control System** monitors wax temperature at specific locations, providing the most accurate temperature control with the highest throughput in the industry. By maintaining a set temperature through all zones, we are able to achieve extraordinary pattern-to-pattern repeatability.



MPI's Wax-Conditioning Reservoir accurately conditions wax to optimum viscosity, providing consistent results from pattern to pattern regardless of the source-wax temperature. We achieve highly controlled injection results through precise temperature management utilizing our **Flex-noz® Injection Nozzle**… an industry best.

FLEXIBILITY & OPTIONS

The MPI 55 series offers flexibility in creating the ideal machine for your needs. MPI offers models with clamping forces that deliver **25, 40, 50 and 100 ton** capabilities, offering between **18" and 38" of daylight**. Other options include **Two Wax-Conditioning Reservoirs** which allows for rapid wax changes at the touch of a button, providing a constant supply of accurate and repeatable, temperature wax, from a liquid to a heavy paste consistency. MPI systems are engineered with **Quick-Change Technology** with fast die change and setup to minimize change over time and maximize throughput.

MPI's optional independently operated **Dual Shuttle Tables with Programmable Nozzle Positioning** allows two different-size dies to be run independently from each dies' stored injection recipe. Our **Programmable-Platen-Control** option reduces setup time by automatically recalling the platen parameters from the stored platen recipe. MPI also offers **Smart Purge™**, a unique system that re-circulates wax through the entire injection system. Smart Purge™ puts the wax in a dynamic state and supplies a fresh homogeneous wax from the reservoir to the nozzle tip prior to injection. Regardless of your needs, MPI engineers will build you a unique machine that delivers performance levels that are unmatched in the industry and will produce bottom-line results.