

Shown with Injection Control Option

SMART CONTROLS V2

MPI's *Smart Controls Technology* offers the most advanced controls system in the industry, allowing you to take Control of the Injection Process.

Smart Controls provides a total solution for wax injection, controlling the process, informing the operator, and providing feedback via real time graphing of the injection cycle.

Control Your Injection Process

Platen Control

- Digital Platen Pressure Readout
- Digital Platen Position Control

Injection Control

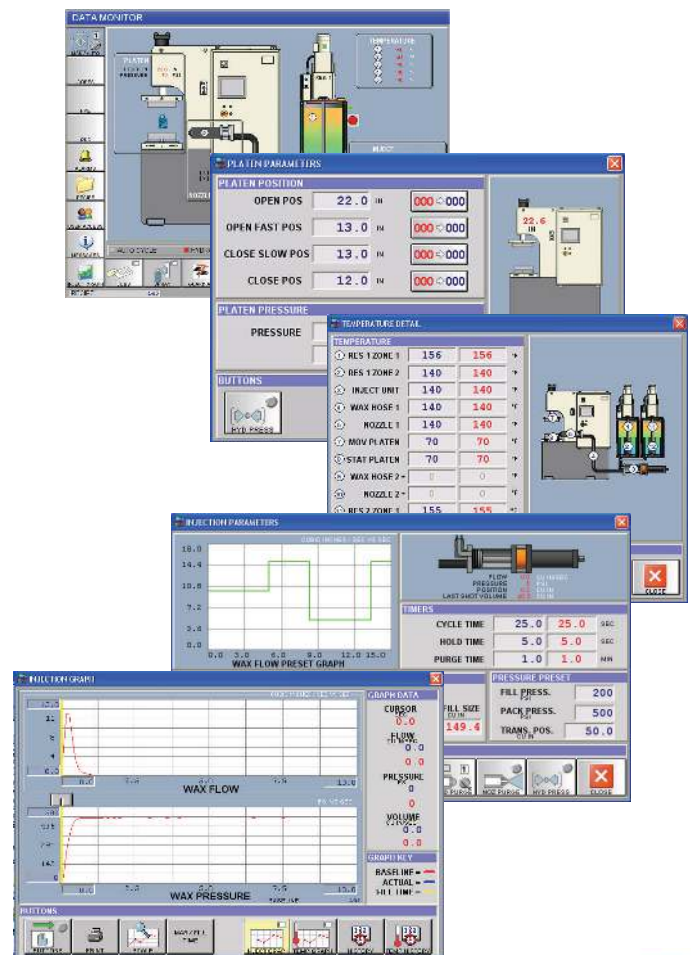
- Real Time Wax Injection Graph.
- Displays real time plot of the injection data versus time.
- Records actual Wax Pressure and Temperature at the nozzle tip.
- Records actual Wax Flow and Wax Pressure. (Requires Injection Control Option)
- Stores baseline injection graph files for process monitoring

Temperature Control

- 5 Zone control provides the most accurate temperature control in the industry
- Paste wax capability

Operator Control

- 12" Touch Screen Operator Interface running in a Windows Environment.
- Easy to use graphical interface.
- Process Control Limit Alarms - Notifies and or prevents machine operation anytime the process is outside of its control limits.
- Alphanumeric Injection Recipes with unlimited number of stored recipes.
- 10 Level User Access Security
- Network ready with remote VPN connectivity



Smart Controls Features & Options	Smart Series (M)	Smart Series (A)
Wax Injection Control		
Manual Flow Control	●	
Programmable Flow Control (Single Flow, Time Based Flow)		●
Manual Pressure Control	●	
Programmable Pressure Control (1 Pressure)		●
Real time graphic display of the actual injection pressure (with Process Control Alarms)	●	●
Injection Control Option (M) 2 Pressures Manually Adjusted Real time graphic display of the actual injection flow (with Process Control Alarms)	○	
Injection Control Option (A) Programmable Flow Control (Single Flow, Time Based Flow, Volume Based Flow) Programmable Pressure Control (2 Pressures) Real time graphic display of the actual injection flow (with Process Control Alarms)		○
Smart Purge (Unique MPI feature that provides the most accurate injection process control in the industry)	○	○
Injection Nozzle Control		
Programmable Nozzle Positioning	○	○
Platen Control		
Programmable Platen Pressure Control (with Platen Open Slow Feature)	○	○

● - Standard Features

○ - Optional Equipment

