

PROCESS VISION

MPI 20-20

MPI's Model 20-20 is a portable wax injection graphing unit that measures, records, and displays wax temperature, wax flow, and wax pressure. For the first time in the industry; there is a product that can duplicate and transfer the injection process from one wax injector to another by eliminating the injector's 'personality' and can also be used with Ceramic Injectors.

MPI 20-20 Series

Process Vision

Validate injection parameters machine to machine; transfer wax dies from one injector to another with repeatable results.

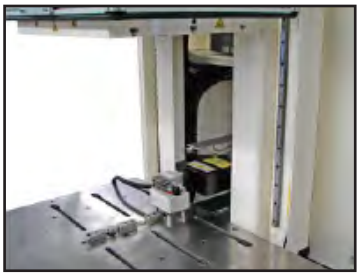


THE MPI 20-20 BASE UNIT FEATURES

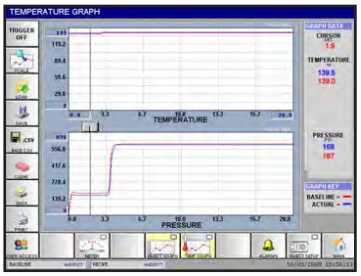
- Quick setup from injector to injector
- 12" Color Touch Screen technology
- Easy to use menus supplied in multiple languages
- Internal Data Storage for quick retrieval
- Stores 4000 injections
- Network ready
- Wax Pressure Verification / Offsets

WAX PRESSURE TEST UNIT

Transfer wax dies from one injector to another, with repeatable results.



Senses Wax Pressure at the nozzle



Wax Temperature at the nozzle



Wax Flow



Wax Pressure

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1. WAX TEMPERATURE SENSING

- Quick connect to injection nozzle of the injector
- Senses wax temperature at the nozzle tip as it enters the wax die
- Real Time Graphing

2. WAX FLOW AND PRESSURE SENSING

- Quick connect to the injection cylinder hydraulics for sensing wax flow and wax pressure
- Real Time Graphing

3. CONNECTIVITY

- **CONNECT TO ALL BRANDS OF HYDRAULIC WAX INJECTORS (INCLUDING PROGRAMMABLE INJECTION)**

4. WAX PRESSURE TEST UNIT

- Senses wax pressure at the nozzle (Optional — Not Shown)

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.



SA55-25-24
C-Frame Wax Injector

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.



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



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