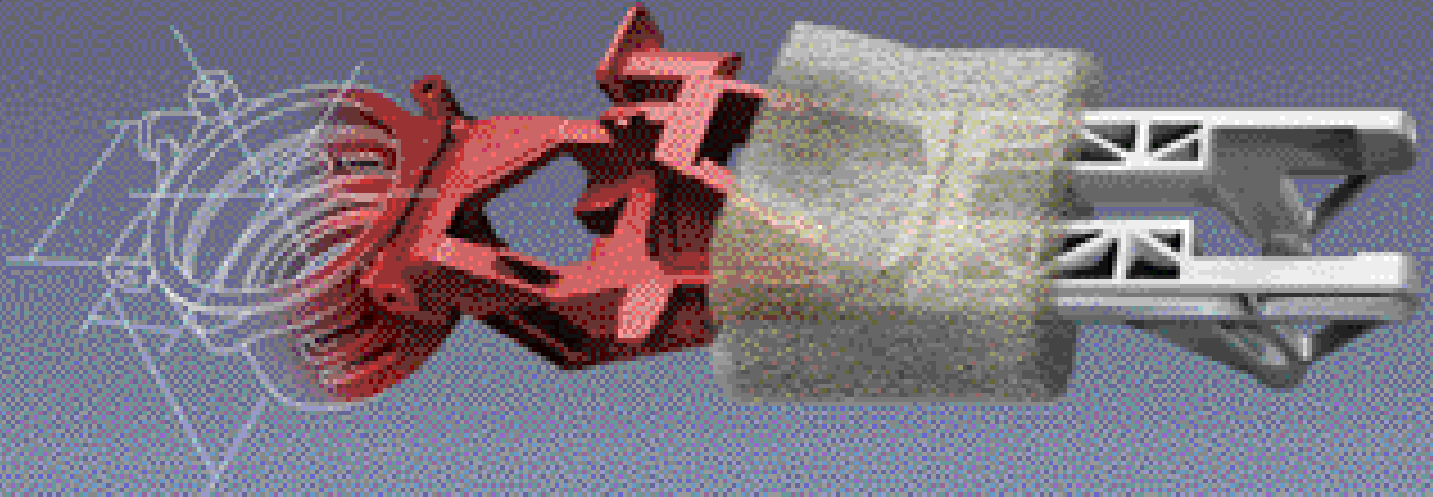


# M P I T E C H N I C A L U P D A T E



## **mpi** SMART SYSTEMS

Its about optimizing the entire process...not just your wax room.

Start with MPI Smart Machine precision setup and production technology to yield multiple high-precision wax patterns. MPI APAS precisely positions the patterns onto wax runners designed to optimize shelling and pouring. The high-accuracy casting assemblies now allow the benefits of automated cutoff and finishing operations.

...the result: unmatched process control, unmatched throughput and an unmatched bottom line.

For more information about the innovative MPI Smart Systems call us at 845-471-7630 or email [sales@mpi-systems.com](mailto:sales@mpi-systems.com) or visit our web site: [www.mpi-systems.com](http://www.mpi-systems.com).

*Smart Machines, Smart Business, Smart Choice.*

# Combining advanced technologies with Smart Process Control... yields more high-tolerance castings, faster, at less cost.



## About MPI Facts not Claims

- MPI has been involved in the Casting Industry for 36 years, longer than any of our competitors.
- MPI has produced 1600 wax injection machines since 1972, 98.5% are still in service; no one else comes close. More importantly, MPI service and technical support is available for all of these wax injectors and equipment regardless of age.
- MPI consistently produces the best wax patterns when tested against all competitors... setting the standard for the Investment Casting Industry... with unmatched repeatability in every production run.
- MPI's paste wax injection reduces cycle times by an average of 50%.
- MPI Systems have the highest throughput with the best wax temperature and process control in the industry.
- Leader in Automated System Solution and state-of-the-art engineering for wax systems and equipment.
- MPI is the industry leader in R&D projects. Our strategic partners include:
  - our customers
  - vendors
  - Engineering colleges and universities

## Innovations

**Our goal is improving our customer's business through innovative technology.**

- MPI is the acknowledged leader in wax room innovations, developing and introducing more systems and products than all the competition combined.
- MPI Smart Systems leading edge, fifth-generation, user-friendly technology and Windows-based OIT logic actually eliminates the possibility of accidentally making "out of tolerance" wax patterns.
- MPI Smart Systems LAN and Internet connectivity is unparalleled in the industry.
- MPI 20-10 APAS Automated Pattern Assembly System
  - The worlds first fully-automated, high accuracy pattern assembly system. Utilizing stored programs and quick-change tooling, the versatile MPI 20-10 is ideally suited for low or high volume, close tolerance, pattern assembly.
  - Designed to dramatically increase quality, quantity, throughput, and your bottom line.
- MPI's 20/20 Process Vision System:
  - Quick, efficient, multiple machine set-ups and unprecedented press-to-press pattern repeatability!
  - Dynamic process control verification
  - Advanced touch screen control and network technology
- Industry leader in energy conservation design initiatives.

## MPI Support, Training, and Documentation

**Committed to providing the best customer support - worldwide.**

- MPI is dedicated to assisting our customers with technical support, part orders, machine maintenance, emergency service calls, and new machine commissioning.
- MPI's engineers and production personnel stand by to help with all your inquiries.
- The most factory trained service engineers - worldwide.
- Leader in stock parts inventory and spare parts availability - worldwide
- Leader in live training, videos and documentation with programs including Process Control and Wax equipment maintenance
- Our unique Process Optimization Program (POP) is designed to increase your casting throughput by optimizing machine performance during production runs and reducing machine down times.
- Combined equipment preventive maintenance and process review program (Process Optimization Program) which increases equipment reliability and operator process control.
- MPI Units are upgradeable. Our modular design allows for options to be added in the field at a later date.