

ROBUST PERFORMANCE

and Flexible
Configuration

Automated injection designed to meet the needs of your application

- From simple cell performing wax injection to full functional cell performing secondary operations.
 - Lubricate/mold release spray
 - Pattern trimming
 - Core insertion
 - Programmable pattern trimming
 - Inspection
 - Pattern setting
 - Dip sealing
- Built with MPI's world class wax injectors
- Versatile 6-axis robots can easily handle any pattern.
- Second-Generation intuitive Smart Controls ensures consistent results with virtually no supervision.
- Robot programmer is not required – operator can be trained in one day.
- Automated tool change allows for job changeover in less than a minute.
- Automatic tool ID ensures the tools picked by the robot match the product being injected.
- Standalone system that can be integrated into a fully automated wax room.
- Optional barcode reader allows simple loading of recipes.



MPI continues to revolutionize the technology of producing and processing wax patterns with the introduction of a full line of Automated Injection Cells. MPI automated injection cells allow you the flexibility to make wax patterns from the simplest commercial parts to complex patterns required by the medical and aerospace industries including single crystal turbine blades.

By combining the highest levels of automation into our SMART injection systems, MPI is able to consistently produce high-quality, high-volume, wax patterns. These self-contained automated injection cells are equipped with an MPI wax injector, pattern/core conveyor, automatic tool change station and a 6-axis robot.

Our Automated Injection Cells also feature MPI's second generation Smart Controls which control every automated function from inserting ceramic cores, wax injection and pattern removal, to pattern setting, injection runner trimming and inspection.

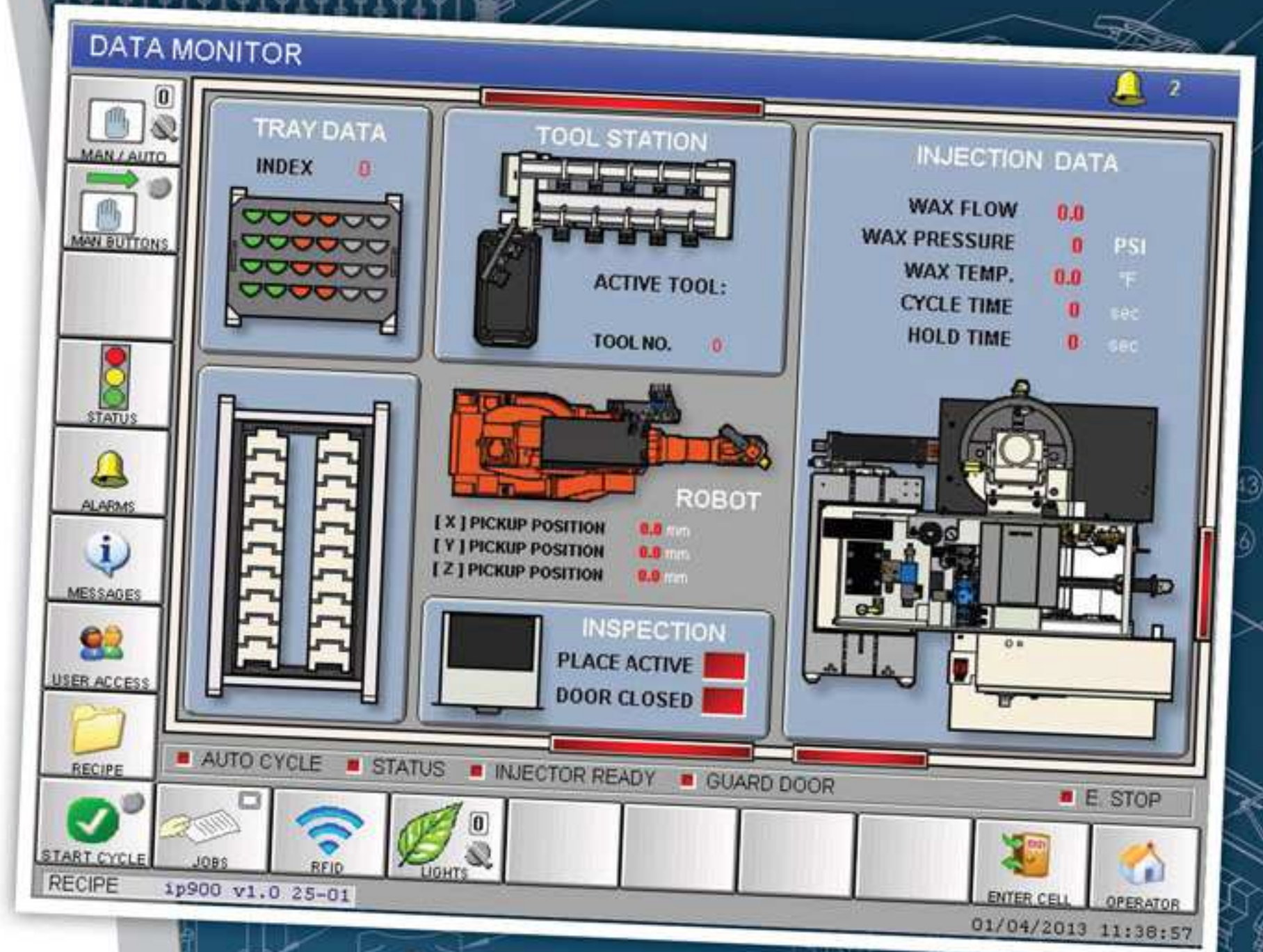
Automate Your Way to Increased Profitability

The benefits of automation are undeniable... by eliminating operator variation and providing accurate process control you will not only see substantial increases in terms of productivity and uniformity, it will have a dramatic impact on profitability as well.

Our automation partners experience:

- Increased casting yields by up to 30%
- Reduced scrap by an average of 50%
- Cycle times 2-5x Faster
- Perfect patterns 100% of the time
- Increased patterns produced per day by more than 100%
- Increased throughput by an average of 50%

Ask about our free wax-room evaluation and ROI analysis.



Second-Generation Smart Controls



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