



Technology Center



The MPI Technology Center is the centerpiece of our manufacturing facility. It is where engineering, innovation, and R & D intersect to create solutions to wax room problems, regardless of how challenging they may appear.

- Aaron Phipps, Vice President

MPI TECHNOLOGY CENTER

Located at MPI's world headquarters in New York, the MPI Technology Center is a hub of innovation, ingenuity, and problem solving. Customers and suppliers alike visit this state-of-the-art facility to discover new ways to solve their unique wax room challenges and to experience MPI's industry-leading equipment firsthand.

The MPI Technology Center is a complete, modern, fully equipped wax room where customers can observe an automated facility in full operation, including automated injection and automated assembly. The Technology Center was designed to allow customers to experience firsthand the quality of the machines, the improved parts that result from great process control, as well as the benefits of the repeatability automation provides, all of which impacts their bottom line.



LIMITLESS POSSIBILITIES

*Dream
Big!*



MPI
Technology Center

AUTOMATION DEMONSTRATION

The MPI Technology Center allows MPI to demonstrate the variation reduction and casting yield increases that can be achieved through automation using the customers' own waxes and dies. When a customer returns to cast the parts in their foundry, they will witness firsthand the significant casting yield improvements that have been achieved. Experiencing automation prior to making a capital investment provides customers with a true "try it before you buy it" experience.

PATTERN PRODUCTION SERVICES

MPI operates a full range of semi-automatic injectors as well as a fully automated pattern production facility. This provides MPI with the unique opportunity to gain firsthand knowledge of making wax patterns and assemblies on its own equipment and to obtain feedback in a real wax-room environment.

RESEARCH & DEVELOPMENT

Customers can take advantage of MPI's extensive R & D capabilities to prove out processes without worry about disruption to their day-to-day production schedule.

WAX TESTING

The Technology Center can run wax validation trials that will demonstrate the specific results customers can expect to achieve, their anticipated return on investment, and the resulting benefits in their downstream operations.

OPERATOR/ENGINEER TRAINING

MPI customers can have their equipment operators and process engineers trained in a hands-on, real-world production environment. Customers can also perform die testing, process setup, die optimization, recipe setup, and verification and produce assemblies ready for shell.

PROCESS VALIDATION

The MPI Technology Center specializes in process control and process validation. By working to evaluate and develop high-level control capabilities, a wide range of wax room problems can be mitigated or eliminated, leading to increased productivity, gains in casting yield, decreased scrap, and so much more.

SCHEDULE YOUR VISIT TODAY

This is just a partial list of the MPI Technology Center's capabilities. Regardless of the type of challenges you are facing in your wax room, MPI either has the solution or can develop a cost-effective solution for you.