

# MODERN PLASTICS

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{ ADDING VALUE BEYOND THE MOLD }

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## { MODERN PLASTICS }

We are breaking the mold of the plastics industry, going above and beyond your typical shoot-and-ship operation. Modern Plastics provides added value throughout the process. From ideation and prototype development, to molding and assembly, and finally through to distribution, Modern delivers a superior product and customer experience. Our injection molding press sizes range from 55 to 1,000 tons and are supported by the very latest in robotic automation. In-house capabilities encompass intricate, high-tolerance molding, decorating, large-component production, and electronic assembly in our clean room. You won't have to compromise on sizes, design details, or timelines. Our expert engineers, design teams, and state-of-the-art technologies work together to bring your ideas to life.

## { VALUE-ADDED OPERATIONS }

Customers doing business with Modern Plastics appreciate the many value-added services offered throughout their product launch. No longer is it necessary to shop bits and pieces of the project. From the initial product launch, our award-winning design team will offer suggestions that give you, the customer, the confidence that you are working in a consultative setting that never leaves you out. When appropriate, the design team will suggest ways to incorporate our value-added services such as prototyping, tool design with sourcing, material selections, best practices in manufacturing, testing protocols, packaging options, and logistical needs, to name a few. Our goal is to never leave our customer wanting for better or more assistance in their pursuit of a successful product launch.



## { FACILITIES & EQUIPMENT }

- 120,000 sq ft of manufacturing and assembly space
- 4,000-sq-ft tool room
- Operating 3 shifts: 24/7
- Climate-controlled facility
- (6) 45' material silos with over 500,000 lbs of bulk storage
- 35 injection molding machines, ranging from 55 to 1,000 tons
- On-site product design and development
- Large format 5' x 10' CNC router for sheet stock and heat-bend applications
- ISO 9001:2008 certified



## { MODERN STAMPING & PAINTING }

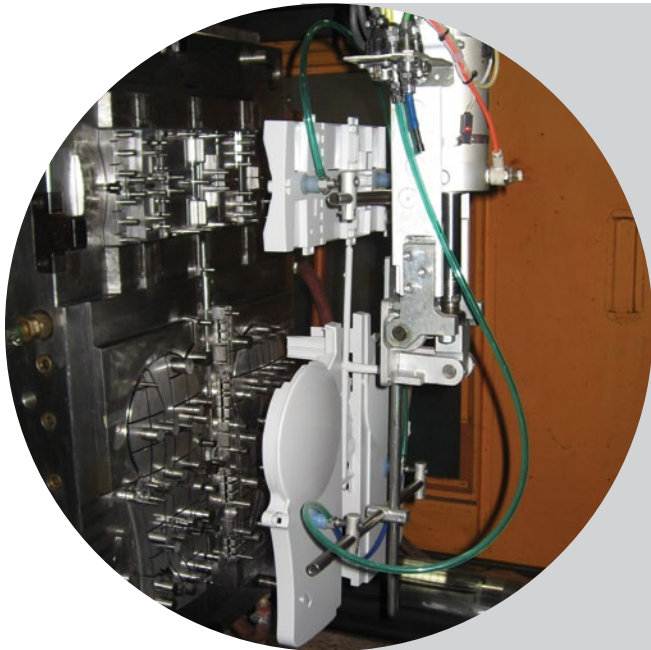


We offer expert services in metal stamping and custom fabricating, along with in-house powder coat painting and assembly. Customers have come to rely on our high standard of professionalism and uncompromising quality.

- Advanced powder-coating system
- Automated, electrostatic spray booth
- Multiple presses: 25-ton to 45-ton
- Spot welders
- Riveters: single-head and double-head
- Metal finishers: belt and wire wheel



## { CAPABILITIES TO PROVIDE CUSTOMER SOLUTIONS }



### MANUFACTURING & INJECTION MOLDING

Modern Plastics operates multiple shifts with press sizes from 55 tons up to 1000 tons, which are supported by the very latest in robotic automation. Materials range from commodity resins to engineered resins. Our in-press capabilities include insert molding, over-molding, and in-mold decorating. Value-added operations include pad printing, hot stamping, sonic welding, riveting, packaging, and labeling.

- Tooling: domestic and offshore
- Low-cost tooling (25,000 cycles), to Class 1 tooling (Multi-million cycles)
- In-house preventative maintenance program
- End-of-arm tooling (EOAT) – Design and fabrication
- Robotics – Servo-driven precision robots and sprue pickers for part removal and post mold operation
- In-house tool repair and maintenance



### ASSEMBLY SOLUTIONS

Our custom-assembly solutions are tailored to meet the unique needs of our customers' products. We can provide manufacturing cells, dedicated assembly lines, or at-the-press operations. This flexibility allows us to manufacture our customers' products with the most cost-effective solution. From intricate mechanisms, electro-mechanical assemblies to large complex products with multiple sub-assemblies, we will provide your assembly solution.

- Electro-mechanical assembly: UL approved – assembly, soldering, and testing
- Clean room assembly and electronic assembly
- Automated assembly: Design and fabrication of automated assembly fixtures
- Sonic welding, heat staking, and riveting
- Adhesive bonding, spot welding, and metal finishing
- 100% testing protocol



### WAREHOUSING & DISTRIBUTION

Our 65,000-sq-ft, climate-controlled distribution center offers our customers a variety of logistic solutions from make-to-order to customer-managed inventory programs. Utilizing our integrated warehouse management system (WMS), we provide our customers with trouble-free on-time delivery.

- Dedicated account representative
- Customer and vendor-managed inventory programs
- Direct package shipment capabilities utilizing FEDEX, UPS, LTL and full-load delivery
- Sourcing and warehousing of externally manufactured components
- Full EDI capabilities and custom solutions



MODERN DESIGN & DEVELOPMENT | MODERN PLASTICS | MODERN STAMPING & PAINTING

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At its core, WPI is an idea company. Our people, our drive to innovate, and our technologies are what turn those ideas into exceptional products. **We Provide Innovation.**

**MODERN**  **plastics**  
*a division of WPI*

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