



Michigan Manufacturing International (MMI)

Delivering World Class Manufacturing Solutions

ENGINEERED. MANUFACTURED. DELIVERED.

(410) 604-1400
michmfg.com

Assemblies

Castings

Machined Parts

Stampings

Gear Boxes

Steel Rings

Plastics

Design Analysis

Engineering Assistance

Supply Programs

Global Sourcing

Logistics JIT/Kanban

Quality Control

Field Source Support

Warehousing

Shipping

Solutions

Manufacturing

MMI has expertise that is backed by more than two decades of experience manufacturing complex mechanical products, assemblies, and components.

We work closely with you to engineer the most effective, high quality solutions using our network of qualified global manufacturers.

MMI has three manufacturing facilities and access to partners and resources across the globe. Two of our manufacturing facilities are ISO 9001:2015 certified. We have a fully robotic and automated injection molding line in our domestic facility and a mechanical assembly line in India. Our third plant is a brand new facility in India, which will focus on tube bending. This facility is in the process of obtaining ISO 9001:2015 certification and subsequently IATF 16949:2016 certification.



Engineering

MMI provides engineering expertise to ensure your products are designed and manufactured to your exact requirements, from concept to production.

We work with 2D and 3D computer-aided design formats. Our engineers assimilate customer requirements into hardware recommendations and custom designs. Various formats of electronic drawings are accepted including IGES, STEP, PARASOLID, PRO-E®, Solid Works, DXF, DWG, plus many others. Components are designed in 3D CAD and validated using FEA.

Domestic, Near Sourcing, and Overseas Sourcing

MMI has a network of trusted partners across the globe including facilities in the U.S., China, India, Korea, and Vietnam. Our sourcing specialists will analyze your project to determine the best sourcing options.

We qualify our suppliers and monitor the production process from start to finish and provide in-country quality control at every step. We also manage all shipping logistics to ensure safety, timeliness, and cost effectiveness.

Stocking Programs

MMI offers warehousing and stocking programs that give you the flexibility of inventory without the carrying costs or loss of warehouse space. We have warehouses in the U.S., India, and China. We support Just-In-Time (JIT), Kanban, and consignment delivery systems.

Products

Assemblies

MMI manufactures robust and reliable assemblies using state-of-the-art manufacturing systems. We work with you to determine the best mechanical process for your project to ensure solid, fail-safe construction.

MMI does more than the assembly itself. We are a full-service provider and will coordinate all aspects of your project, bringing together the necessary components and managing the logistics.

Processes: Robotic and manual welding, insert molding, brazing, soldering and adhesive bonding, snap and friction assemblies, fastener assemblies, swaging, and more.

Capabilities: Certified 6G welders, 6 axis robotic welding, mounting Keenserts, Heli-coils, Taper, Roll, bearing by swaging and dowel pins, periodical pressure test (leak test) & load test. Assemblies may also be done through press fit, adhesives, heat & soldering.

Molding

MMI manufactures a wide range of engineering plastics and rubber compounds for OEMs in various industries. We proactively collaborate with OEMs, mold designers, and suppliers to develop new products to meet all requirements.

Processes: Injection molding, extrusions, contact molding, thermoforming, blow molding, rotational molding, and more.

Materials: Polyethylene, PEEK, polypropylene, nylon (polyamide), ABS, Noryl, polycarbonate, polystyrene, polyester/PBT, PPS, polysulfone, polyetherimid, PC/ABS, PC/polyester, TPV, TPU, POM, PPT, EPDM rubber, silicone, neoprene, nitrile, and more. We also process materials filled with glass, mica, Teflon, carbon, and talc.



Casting

MMI provides advanced casting expertise and design for castings from quick low-volume manufacturing of precision castings for engineering sectors to high-volume manufacturing sectors.

Processes: Sand casting, die Casting, centrifugal casting, investment casting, mold casting, and more.

Materials: Grey iron, ductile iron, alloy steel, carbon steel, stainless steel, brass, copper, zinc, manganese, tool steel, and more.

Metal Forming

MMI can provide complex metal formed mechanical components for specialized applications. We can produce high-quality metal formed parts at very competitive prices. We stay current with advances in technology and equipment, and employ the most effective best practices.

Processes: Powder metallurgy, cold and hot forging, extrusions, sheet metal fabrications, pipe bending and swaging, and more.

Materials: Carbon steel, alloy steel, stainless steel, aluminum, brass, copper, nickel alloy, and more.

Heat Treatment & Surface Finish

The exact methods and processes we use for heat treating and finishing are determined by your project. Finishing can include any number of processes applied to the surface of your product to achieve your desired outcome, including painting, powder coating, and plating.

Heat treating processes include normalizing, annealing, tempering, quenching, and case hardening.

Machining

MMI can produce complex parts with elaborate geometries from even the most difficult to machine metals. We offer precision-machined components with tolerances of ± 0.0001 ". MMI also offers components with secondary machining.

Processes: CNC milling, CNC turning, milling, broaching, deburring, drilling, grinding, sawing, tapping, thread rolling, and more.

Materials: All machinable materials. Up to 5 axis machining. Max accuracy of ± 0.0001 ".

Partner with MMI now to access total manufacturing solutions.

410-604-1400
sales@michmfg.com