

**MANUFACTURING  
TOOLING  
MULTISHOT  
AUTOMATION**



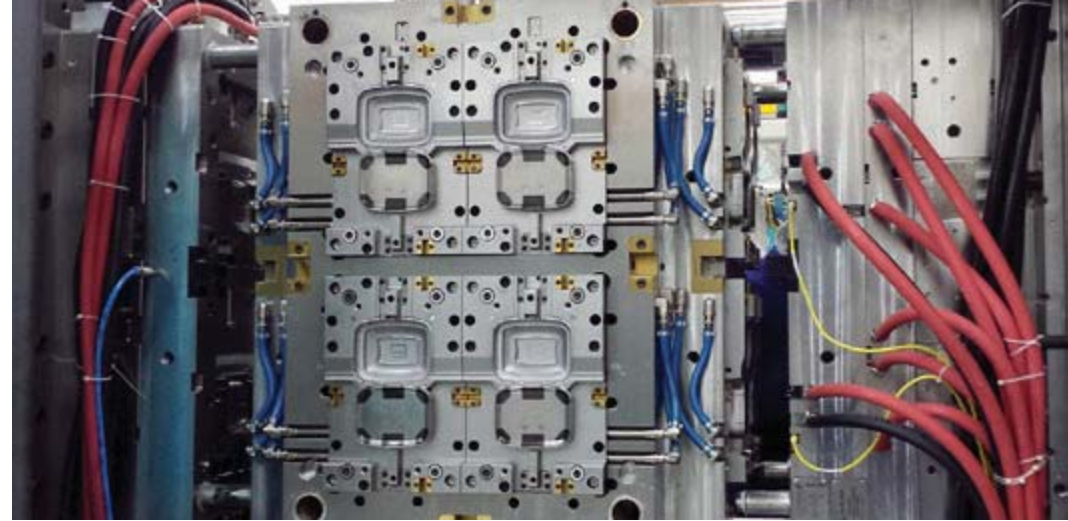
**ENGINEERING  
FOR OPTIMUM  
PERFORMANCE**



# ABOUT US

MGS Mfg. Group is a leading global provider of optimized manufacturing solutions for high precision, tight tolerance plastic components and products. Our vertically integrated services include: engineering & design-for-manufacture, mold making, sampling, development & qualification, cleanroom and GMP injection molding, value-added operations, assemblies, contract manufacturing, packaging, multishot equipment technologies, scalable automation, and application-specific turnkey manufacturing systems.

MGS serves customers from the healthcare, electronics, automotive, consumer and industrial markets.



The MGS Mfg. Group was founded in 1982. Today, with more than 1,400 dedicated and talented employees at locations here and abroad, MGS is the ideal partner to meet your greatest challenges and make your program successful!

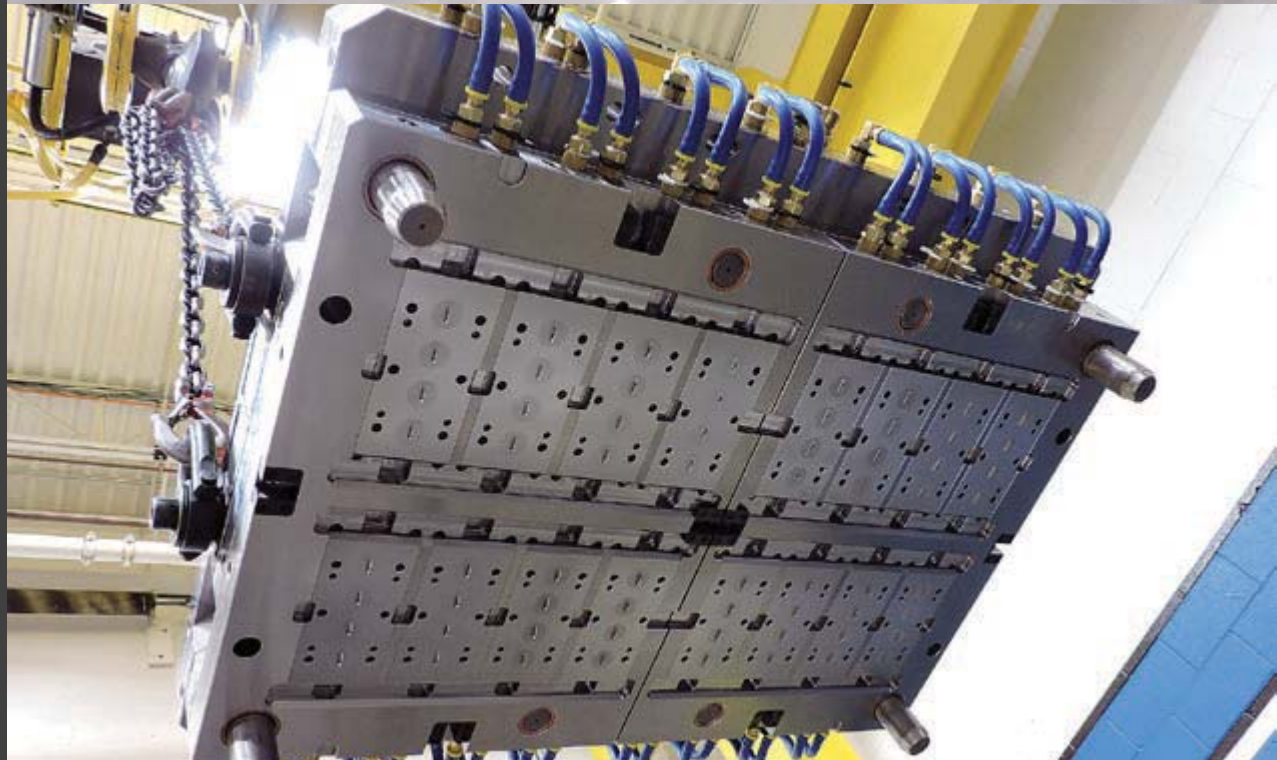
# MANUFACTURING

- ISO Certifications include 13485, 16949, 9001, & 14001
- 260+ Servo & Hydraulic Injection Molding Machines
- Press Tonnage: 28–1400
- ISO 13485 Class 7 & 8 Cleanrooms
- Standard, 2, 3, & 4 Shot Molding
- Contract Manufacturing
- Value-Added Secondary Operations
- Metrology Laboratory with CT Scanning
- Automated, Semi-Automated and Manual Operations for Product Assembly, Inspection, Decorating & Packaging



# TOOLING

- Engineering & Design for Manufacturing
- Rapid Prototyping & Development Services
- Comprehensive Process Simulation
- Prototype, Pilot & Production Injection Molds
  - Multi-Cavity
  - Auto-Unscrewing
  - Insert
  - Stack
  - In Mold Closing
  - Thin Wall
  - Collapsible Core
  - Tandem
- Multishot Tooling Systems
  - Rotary Platen
  - Rotary Stack
  - Core Toggle
  - Indexing Plate
  - Rotary Spindle
  - Robotic Transfer
- End-of-Arm Tooling & Fixtures
- Dedicated Mold Sampling Facility





## MULTISHOT

Portable and flexible multiple material equipment technologies to convert your standard injection press into a multishot molding machine.

- Servo and Hydraulic Portable Injection Units
- Servo Rotary Platens (turntables)
- Rotary Stack Frame
- Hot Runner Controllers
- Vacuum Units
- Custom / Specialty Molding Equipment



## AUTOMATION

MGS Automation provides leading edge design, build, integration and validation of custom automation systems for component assembly, part orientation and performance validation.

- Benchtop
- Press Side
- Rotary & Linear Indexing
- Continuous Motion
- End-Of-Arm Tooling
- Mechanical Engineering
- Electrical Engineering
- Software Development

### Quality Control

- Electrical Testing
- Measurement
- X-Ray
- Weight Verification
- Vision Inspection
- Leak Inspection
- RFID Tracking
- Color Check



# VERTICALLY INTEGRATED SOLUTIONS

MGS is uniquely qualified to be your single-source supply partner, with services including:

## Manufacturing

- ISO Class 7 & 8 Cleanrooms
- ISO 13485 / 16949 / 9001
- Value-Add / Assemblies
- Quality / Metrology Lab

## Tooling

- Engineering / DFM
- Prototype / Pilot / Production
- Process Simulation
- Sampling / Qualification

## Multishot

- Portable Technologies
- Modular Injection Units
- Rotary Platens / Stacks / Spindles
- Custom Molding Equipment

## Automation

- Scalable Automation Solutions
- Quality Assurance Integration
- Complete In-House Capabilities
- Systems Validation & Integration





# CONTACT US

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We invite you to take a tour of our world-class manufacturing, tooling and equipment facilities. Ready to take action? Send us your RFQ/RFP and allow our engineering team to engage with you to prove MGS is precisely the right choice to enable the success of your next project.

## MANUFACTURING

**MGS GERMANTOWN**  
Wisconsin

**MGS LIBERTYVILLE**  
Illinois

**MGS ANTIOCH**  
Illinois

**MGS CHIHUAHUA**  
Mexico

**MGS LEIXLIP**  
Ireland

## TOOLING

**MGS HEADQUARTERS**  
Wisconsin

**MGS MENOMONEE FALLS**  
Wisconsin

## EQUIPMENT

**MGS MULTISHOT—AUTOMATION**  
Wisconsin

**MGS DISTRIBUTION CENTER**  
Wisconsin