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# ABOUT US

## WE ARE MONROE — HOW CAN WE HELP?

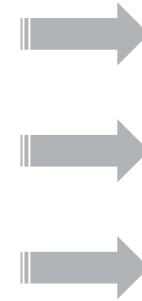
We are a global industrial manufacturing and distribution company offering a diverse product line that crosses over several industries:

- Government/Military/Defense
- Aerospace
- Agriculture
- Automotive
- Biotech
- Construction
- Energy
- Food & Beverage
- Gas & Oil
- Marine
- Pharmaceuticals
- Transportation

We live by one simple question; “How can we help?”. With our standard product offerings and our custom manufacturing capabilities we offer true, front to back solutions for any project.

Backed by a rock-solid quality system, our goal is to help you solve your “problem of the day”.

For more than 60 years, we have served almost every market and industry by successfully delivering custom solutions with the ability to meet unique application requirements, and demanding industry standards – all while providing subject matter expertise, and unparalleled customer service.





## MICHIGAN

- Rochester Hills
- Zeeland
- Ira

## CALIFORNIA

- Irvine

## CONNECTICUT

- North Branford

## NORTH CAROLINA

- Charlotte

## INDIANA

- Ft. Wayne
- Goshen
- Elkhart
- Warsaw

## FLORIDA

- Melbourne
- North Port
- Clearwater

## TEXAS

- Dallas
- Houston
- San Antonio
- Lubbock

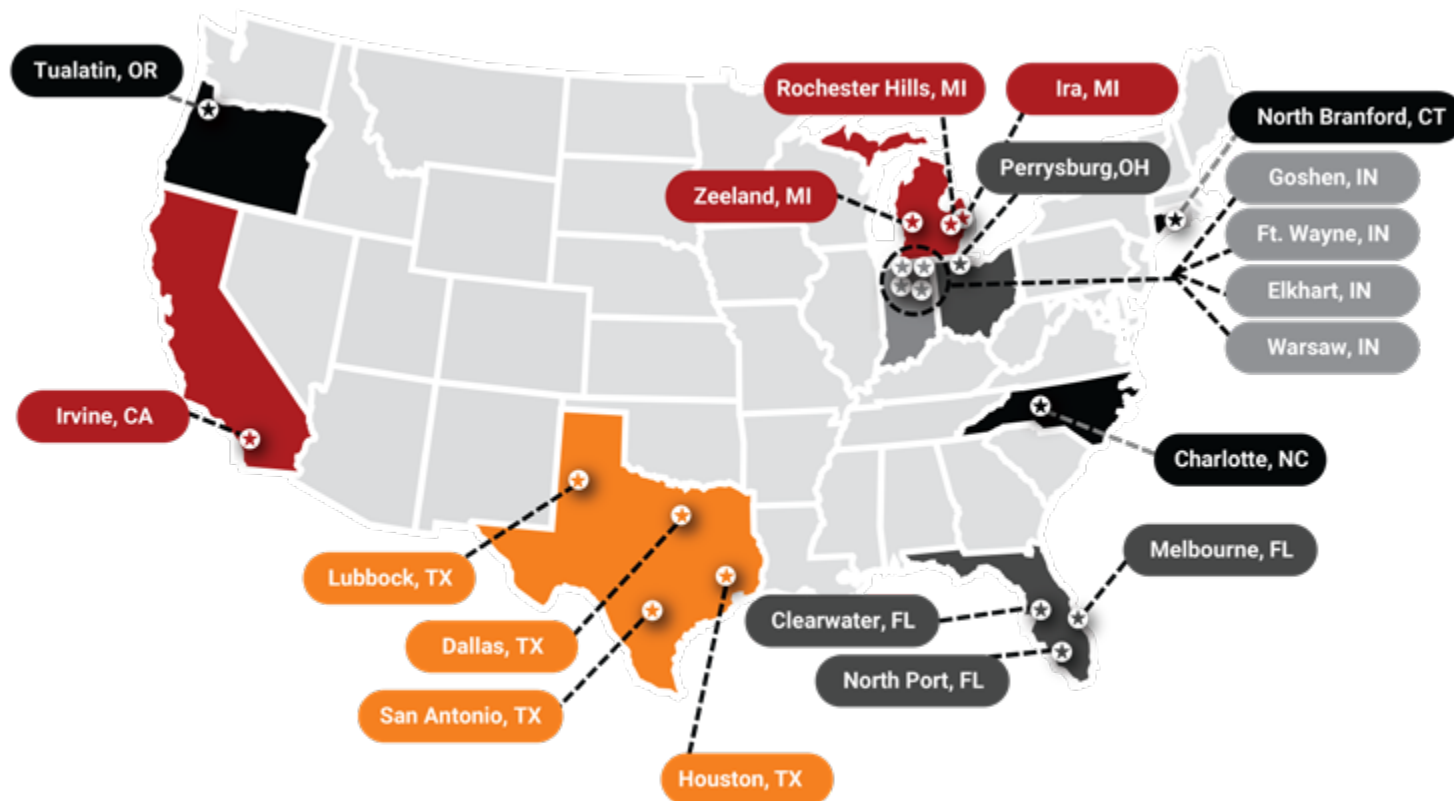
## OREGON

- Tualatin

## OHIO

- Perrysburg

# UNITED STATES LOCATIONS



# OVERSEAS FACILITIES

ASIA MANUFACTURING  
& INSPECTION TEAM

○ **China**  
Stamping and assemblies.

○ **Taiwan**  
Machining and castings.

○ **India**  
Plastic injection molding  
and casting.

OVERSEAS FAMILY OF  
DEDICATED FACILITIES



**India**  
Plastic Injection  
Molding & Casting

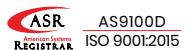
**China**  
Stamping & Assemblies

**Taiwan**  
Machining & Castings

EXCLUSIVE TO  
**MONROE**



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# PRODUCTS & CAPABILITIES



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 **ASR**  
American Systems  
REGISTRAR  
AS9100D  
ISO 9001:2015

# | OUR VALUE ADDED SERVICES

## CUSTOMER FOCUSED

Everything from our operational process flow, our solutions, and our emphasis on customer service & support is all centered in and around the needs of our customers.

## SERVICES & SOLUTIONS

- Industrial Product & Capability Subject Matter Expertise
- Product & Capability Diversity
- Customer Service & Support
- Quality Compliance
- Vendor Consolidation
- Custom Manufacturing
- Contract Manufacturing
- Global Presence (International and Domestic Sourcing)
- Vendor Managed Inventory (VMI)
- E-Business Solutions (EDI)
- National Account Programs (For Multi-Site Partners)
- Stocking Programs Available



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# | AEROSPACE — PRODUCTS

PRODUCT	DESCRIPTION
<b>Washers</b>	Flat Washers and Lock Washers
<b>Rivets</b>	Cherry Rivets, Pop Rivets, Avex Rivets, and Solid Rivets
<b>Bolts</b>	AN Bolts, NAS Bolts, Huck Bolts, Jo Bolts, and MS Bolts
<b>Nuts</b>	Jam Nuts, Self Locking Nuts, Nutplates, Castellated Nuts, Hexagon Nuts, Machine Nuts, and Misc Nuts
<b>Screws</b>	MS Screws, AN Screws, Sheet Metal Screws, NAS Screws, and other Screws
<b>Screws</b>	AN Screws, MS Screws, Sheet Metal Screws, NAS Screws, and other Screws

- Aeroduct
- Aeroquip
- Aerospace Kits
- Airframe Components
- Bearings
- Blind Metal Fasteners
- Bolts (AN, NAS, MS)
- Bonding Jumpers
- Bulbs & Lamps
- Cable Hardware
- Camloc
- Caplugs
- Clamps
- Clevis Pins
- Conical Seals
- Connectors
- Cotter Pins
- Drain Valves
- Drill Bits
- DZUS Products
- Filters
- Fittings
- Gaskets
- Grommets
- Hardware
- Hardware & Bit Kits
- Hi-Lok & Collars
- Hi-Lok Head Pins
- Hoses
- Huck Bolts
- Inserts
- Jo-Bolts
- Lock Washers
- Nutplates
- O-Rings
- Paints
- Pulleys
- Quarter Turn Fasteners
- Ring Terminals
- Southco Products
- Spacing & Bushings
- Spring & Retaining Rings
- Storage
- Stratoflex
- Tees
- Tooling
- Tridair Products





# FASTENERS AND VMI

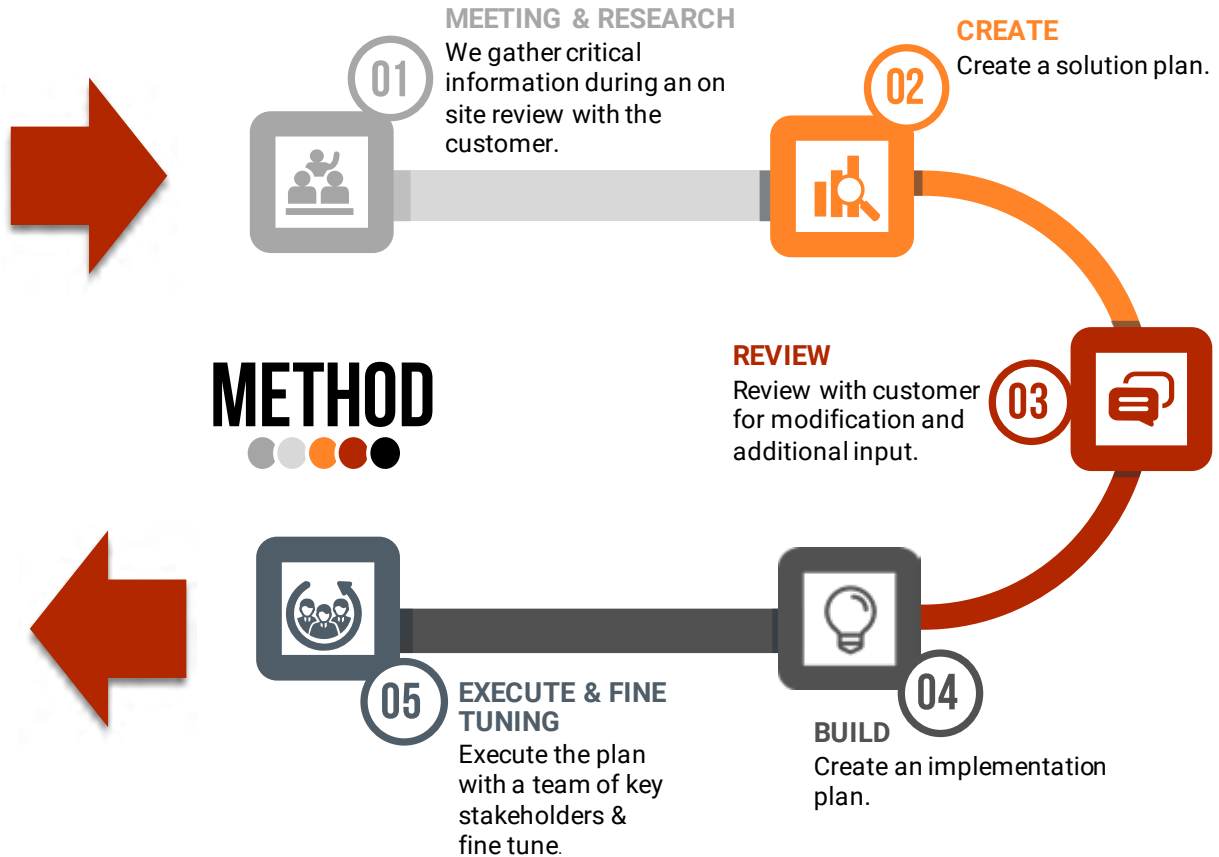
## APPROACH

We create customized VMI solutions based on the specific needs of our customers.

## HOW WE EXECUTE



- Field Support
- Cabinet & Bin Program
- Vending Machines
- Stock & Release
- Custom Kits & Bagging
- Global Sourcing
- Focused Continual Improvement





# FASTENERS AND VMI

## PRODUCTS



### Hex HD CAP SCREWS

- ✓ Grade 2, 5, 8
- ✓ Stainless
- ✓ Metric

### SOCKET SCREWS

- ✓ Domestic & Import
- ✓ Socket, Button, Flat
- ✓ Shoulder Bolts
- ✓ Set Screws
- ✓ Dowel Pins

### NUTS

- ✓ Heavy
- ✓ Jam
- ✓ Lock
- ✓ Keps
- ✓ Acorn
- ✓ A325 & A490
- ✓ Wing

### PINS

- ✓ Cotter
- ✓ Spring
- ✓ Clevis

### SCREWS

- ✓ Tapping
- ✓ Thread Cutting
- ✓ Wood
- ✓ Drywall
- ✓ Machine

### WASHERS

- ✓ USS & SAE
- ✓ A325
- ✓ Fender
- ✓ Split L/W
- ✓ Beveled
- ✓ Int/Ext L/W
- ✓ Hi Collar L/W

### ELECTRICAL

- ✓ Wire
- ✓ Terminals
- ✓ Cable Ties
- ✓ Heat Shrink



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# CUSTOM CABLES AND WIRING

## OVERVIEW

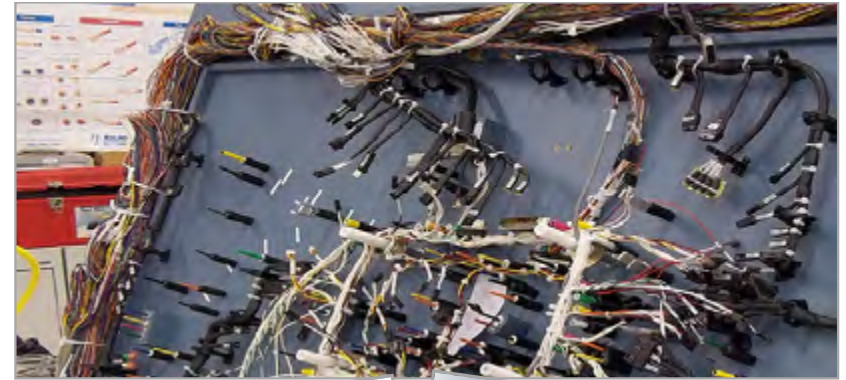
We are a leading manufacturer of custom cable assemblies and wiring harness solutions for industrial, military & defense, aerospace, rail transport, automotive, transportation, and commercial applications.

Our rugged cable & wiring solutions are designed to perform at the highest level in harsh conditions and environments where extreme temperatures, chemicals, impact, flexing, and abrasion may be a factor. We pride ourselves on delivering high quality, reliable solutions that perform where other cables and wires continually fail.

Whether you are in the initial stages of design and prototyping, OR ready to start producing at volume, - our flexible, experienced team can jump in during any point to collaborate, consult, and deliver to your specifications.

## VALUE ADDS

- High performance custom cable assemblies & wiring harnesses.
- Depth of expertise in electrical, electro-mechanical, and process engineering.
- Superior quality, rigorous testing, and exceptional reliability.



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# | CUSTOM CABLES & WIRING — PRODUCTS & CAPABILITIES

We offer a broad portfolio of intelligently connected customizable cable and wiring product solutions:

PRODUCT/CAPABILITY	DESCRIPTION
<b>Custom Wiring Harnesses</b>	Board to Board, Board to Chassis, Control Harnesses, etc.
<b>Custom Cable Assemblies</b>	Industrial, Mil-Spec, Aerospace, Rail Trans, Auto, Trans, Commercial, etc.
<b>Custom Molded Cables</b>	PVC, Polyurethane, Santoprene, I67/68, SMA
<b>Custom Box Builds</b>	Full installs, Internal & External, Switch & Sensors, Fan Trays, Din Rails, Battery Boxes, Power Supply, Mil-Spec, Aerospace, Rail Trans, Ethernet M12, High Vibration, Harsh Environment
<b>Fiber Optic Cables</b>	Glass Single-Mode, Glass Multi-Mode, Ribbon Fiber, Backbone, Duplex, Simplex, Breakout, Armored, Plastic Clad Silica, All connectors
<b>Copper Cables</b>	Flat Flex, Ribbon, Discrete, Round Jacket, Controlled Impedance Transmission, RF Coax, Hybrid, Power
<b>Data &amp; Signal Cables</b>	Dsub, SCSI, Serial Data, Modem, HD, HDMI, Ethernet, Modular Plugs, Patch Cables
<b>Military Spec Cables &amp; Wiring</b>	<b>[Harnesses:</b> Ruggedized/Mil Circular/Mighty Mouse/IP67/OEM/Simulation] <b>[Box Builds:</b> High Vibration/Harsh Environment] <b>[Cables:</b> M26582, D38999, 5015]
<b>Aerospace Cables &amp; Wiring</b>	<b>[Harnesses:</b> Ruggedized/Mil Circular/Mighty Mouse/IP67/OEM/Simulation] <b>[Box Builds:</b> High Vibration/Harsh Environment] <b>[Cables:</b> M26582, D38999, 5015]
<b>Rail Transport Cables &amp; Wiring</b>	<b>[Box Builds:</b> Assemblies/Installs/M12/Ruggedized/High Vibration/Harsh Environment/Positive Train Control/Wayside Crossing/Event recorder/Memory Module/Throttle Assist Gateway]
<b>Simulation Cables &amp; Wiring</b>	Medical, Military, Aerospace, Increased Bandwidth, Signal Isolation Custom Shielding, Ruggedized Environment
<b>Hi-Pot Testing</b>	High voltage application isolation testing for quality assurance (CIRRIIS)



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# HINGE AND HARDWARE

## OVERVIEW

We are a leading global manufacturer of hinge & hardware solutions. Our broad product line and robust manufacturing capabilities allow us to offer both standard and customized “made to print” solutions across several markets and industries.

Through our experience, we understand the specific requirements and unique attributes for each of the industries that we have a presence in.

## VALUE ADDS

- A wide array of standard off-the-shelf SKU's
- Endless combinations of custom, “made to print” solutions with a full complement of materials and capabilities at your disposal.
- Depth of expertise in hinge & hardware manufacturing as well as engineering support.
- Superior quality and exceptional reliability.



**HINGES**



**HANDWHEELS**



**PINS**



**PULL HANDLES**



**INDUSTRIAL KNOBS**



**MAGNETS**



**TOGGLE CLAMPS**



**SPRINGS**



**ADJUSTABLE HANDLES**



**CASTERS**



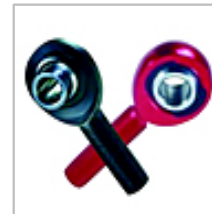
**SPECIALTY VEHICLE**



**FASTENERS**



**LEVELING MOUNTS**



**ROD ENDS**



**HOIST RINGS**



**PLUNGERS**



# | HINGE & HARDWARE — PRODUCTS & CAPABILITIES

We offer a broad portfolio of both standard and custom hinge & hardware product solutions:

PRODUCT/CAPABILITY	DESCRIPTION
<b>Hinges</b>	Piano, Heavy Duty, Butt, Loose Joint, Mil-Spec, Plastic, Living, Formed, Door, Spring Door, Cabinet, Strap, Tee, Weld-On, Truck/Trailer, Marine, Refrigeration...more!
<b>Adjustable Handles</b>	Ball Style, Heavy Duty, Teardrop/Modern Style, Button Head...more!
<b>Pins</b>	Hand Retractable, Positive Stop Release, Quick Release, Ball Locking, Alignment, Dowel
<b>Pull Handles</b>	Threaded holes, Threaded Studs, Load-Rated, Unthreaded, Antimicrobial, Offset, Weld-On, Cut-To-Length, Folding, Folding w/Mounting Plate, Recessed Folding, Load-Rated Folding, Recessed, Specialty, Assist/Locking...more!
<b>Ball &amp; Spring Plungers</b>	Standard Spring, Short Spring, Ball, Press Fit, Hand Retractable, Lateral Spring, Accessories
<b>Handwheels</b>	Diverse variety of styles available – with or without handles, many materials & finishes
<b>Industrial Knobs</b>	Grip Style, Instrument Style, Ball Lever, Lobed, Soft Touch, Wing Style, Locking...more!
<b>Crank Handles</b>	Diverse variety of styles available - Fold-A-Way, Revolving, many materials & finishes
<b>Leveling Mounts, Feet, &amp; Pads</b>	Adjustable Glides, Level Pads, Level-It Studs, Mighty Mount Style, Polymount Style, Snaplock Styles, Swivel & Toggle Pads, Threaded Tube, Rattle Mount w/Brackets, Anti-Vibe Styles
<b>Magnets</b>	Neodymium, Ceramic Style, Cylindrical Permanent Assemblies, Cup Style, Magnetic Catches, Lifting Magnets, Material Handling, Flexible Magnetic Material, Rectangular Permanent Magnetic Assemblies
<b>Springs</b>	Flat Springs, Mechanical Wire Springs



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# | HINGE & HARDWARE — PRODUCTS & CAPABILITIES

We offer a broad portfolio of both standard and custom hinge & hardware product solutions:

PRODUCT/CAPABILITY	DESCRIPTION
<b>Casters</b>	Swivel Style, Rigid Style, Spring Ring Stem, Threaded Stem, Expanding Adapter Style, Pneumatic Style, Heavy Duty, Business Machine Style
<b>Industrial Handles</b>	Adjustable, Crank, Finger Style, Handle Sleeves, Fold-A-Way, Revolving, Speed Ball, Spinner Knobs, T-Handles, Pull Handles
<b>Hoist Rings</b>	Pivoting, Side-Pull, Swivel Style, Rope Rings, Accessories
<b>Hooks &amp; Shackles</b>	Grab Hooks, Shackles, Slip Hooks, Thimbles, Chains, Cam Release Lever Binder, Universal Plate Clamps, Wire Rope Clips, Magnetic Hooks...more!
<b>Lever Arms</b>	Heavy Duty, Single Arm Style, Two Arm Style, Four Arm Style, Lever Handles, Offset Arm Levers, Ergo Control Levers, Adjustable Cam Levers
<b>Locks</b>	Flat Key Wafer Style, Tubular Cam Lock, High Security Cam Lock, Keyless Thumb Turn, Refrigeration Lock, Heavy Duty Camp Lock
<b>Fasteners</b>	Hex Cap, L9, Nuts, Washers, Anchors, Pins, Keys, Square Head Set Screws, Bolts, Screws, Rods, Socket Screws...more! Wide variety of types, materials, finishes available
<b>Specialty Vehicle</b>	Heavy Duty Cam Locks, Truck/Trailer Hinges, Assist/Locking Handles, Refrigeration Hinges/Locks, Hood/Paddle Latches, Door Holders, Ventilators, Rope Rings, Hinges, Folding Assist, Gas Springs, Footman Loops
<b>Drawer Slides</b>	Diverse variety of ball bearing styles available – many materials and finishes available
<b>Rod Ends</b>	Heavy Duty, Chromoly, Carbon Steel, Aircraft Aluminum, Aluminum...more!



# CASTERS & MOTION CONTROL

## OVERVIEW

Monroe has diversified its product offering to include a wide range of components which now include gas springs, non-corrosive and specialty bearings, hardware, levelers, hand trucks, conveyors, aluminum profile accessories, clips and ties and shears.

Innovative products like CasterPro casters, Steinco's Square Wheel Caster and Rotacaster's award-winning Rotatrucks are just part of the broad product line that has enabled us to evolve to a comprehensive, single-source solution provider. Whenever motion control is concerned, Monroe has a solution to offer.

## VALUE ADDS

- Provides specialized and standard motion control and industrial hardware solutions.
- Long-standing partnerships, supply chain information systems, and engineering expertise.
- Single-source solution provider that can meet the evolving and diverse needs of many industries.





# | CASTERS & MOTION CONTROL— PRODUCTS & CAPABILITIES

We offer a broad portfolio of both standard and custom casters & motion control product solutions:

PRODUCT/CAPABILITY	DESCRIPTION
<b>Casters</b>	Light, Medium, and Heavy Duty Casters, Rotacasters, Caster Sockets, and Floor Locks
<b>Wheels</b>	Caster Wheels and Hand Truck Wheels
<b>Gas Springs</b>	Non-Locking, Locking, and Industryline Gas Springs and Dampers
<b>Specialty Bearings</b>	Radial, Thrust, Flanged, Insert-Self Aligning, End Caps / Conveyor, and Bearing Housing
<b>Hardware</b>	Hinges, Locks & Latches, Handles, T-Slots Nuts, Spring Nuts, and Hammer Head Screws
<b>Leveling Mounts</b>	Light, Medium, and Heavy Duty Levelers and Sockets
<b>Material Handling</b>	B&P Products, Magliner Hand Trucks, Rotacaster self Supporting Hand Trucks, Rotacaster Stair Climbing Hand Trucks, Professional Grade Equipment, Conveyor Components, and Ergonomic Lifting Equipment
<b>Aluminum Profile Accessories</b>	Angles, Blocks, Caps & Cover Profiles, Connectors, Floor Brackets, Pivot Joints, Rollers & Tool Hangers, and Transports & Base Plates
<b>Clips &amp; Ties</b>	Quicklips & Arrows
<b>Shears</b>	Quicksnap Industrial Shears



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# RUBBER AND SEALS

## OVERVIEW

We manufacture and supply high quality O-rings, gaskets, seals, extrusions, and a wide array of molded products.

With our wide variety of available compounds, and our state of the art machinery, we have the capabilities to meet any design specification.

## VALUE ADDS

- Endless combinations of custom, “made to print” solutions with a full complement of process, materials, and profiles for unique applications.
- Depth of expertise in rubber & seals manufacturing as well as engineering support.
- Superior quality and exceptional reliability.



O-RINGS



SEALS



RUBBER EXTRUSIONS



MOLDED PARTS



RUBBER SHEETING



GASKETS



PLASTIC EXTRUSIONS



TUBING



BUMPERS



PLASTIC PARTS



GROMMETS



PLUGS



WASHERS



FLANGE GASKETS



STAMPING

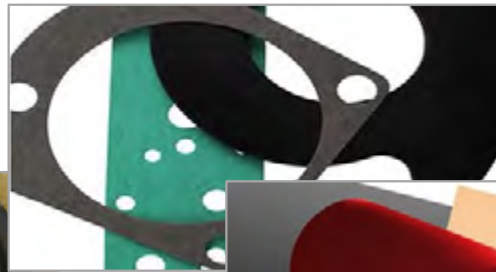


MOLDING

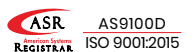
# | RUBBER & SEALS— PRODUCTS SOLUTIONS & CAPABILITIES

We offer a broad portfolio of both standard and custom rubber & seals product solutions:

PRODUCT/CAPABILITY	DESCRIPTION
O-Rings	Standard, Metric, JIS, BS, Spliced, Vulcanized, Kits, Backups...more!
Seals	Energized, Oil, Lip, Shaft, Hydraulic...more!
Extrusions	Rubber, Plastic, Gasket, Cord Stock, Tubing, Bearing Seal Strips, Inflatable Gaskets...more!
Molded Parts	Custom Rubber, Bumpers, Custom Plastic, Rubber to Metal Bonding, Grommets, Custom Caps, Plugs, Mounts, Crutch Tips...more!
Gaskets	Die Cut, Lathe Cut, Vulcanized, Window, Custom Flanges, Gasket Strips, Washers, Custom Frames, Kiss Cut, Laser Cut, Jet Cut...more!
Rubber Sheetting	SBR, Buna-N, Cloth Inserted Neoprene, Commercial Grade Silicone, EPDM, FDA White Buna-N (Nitrile), Viton, Neoprene, Pure Gum Rubber...more!



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# QUALITY

ISO 9001:2015 & AS9100D



Certification to every major domestic and International standard is part of our operation. Fitting the job to the standard provides the best value to our customers.

From parts on the Mars Lander to hinges holding fairings on trucks and everything in between, Monroe meets and exceeds the standard. PPAP for automotive is available to level III



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