

Solve Your Most Difficult Elastomer + Thermoplastic Challenges Today



Bring Products to Life. Faster.

Specialists in high performance elastomer + thermoplastic custom components

Our Engineers Are Eager to Help You Solve Your Toughest Elastomer + Thermoplastic Challenges

Minnesota Rubber and Plastics is a world leader in the material compound development, engineering design and manufacturing of custom molded elastomer and thermoplastic components and assemblies.

For over 75 years, our engineers have collaborated with world-class organizations to help solve difficult sealing and component challenges, earning us the global reputation for producing “the tough parts”.

Customers have direct access to our engineers and technical experts. **The result:** *Fast, detailed answers that solve design and manufacturing challenges*
Your team will have direct access to our engineers and technical experts.

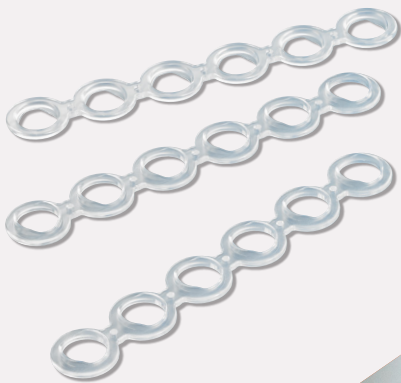




Custom Designed + Manufactured Components at any Scale

It is likely you come in contact with our parts in your daily life without even knowing it. From the faucet in your home, transmission in your car or the medical device that may have saved your life, Minnesota Rubber and Plastics provides the critical sealing components to make these products perform the way you expect.

We specialize in horizontal and vertical injection molding, LSR molding, transfer molding, compression molding, extrusion, and over-molding for your most critical applications.



Capabilities Overview

Materials Science + Formulation

- Fully Staffed In-House Advanced Materials Laboratory
- Thousands of Custom Elastomer Formulations with Agency Approvals



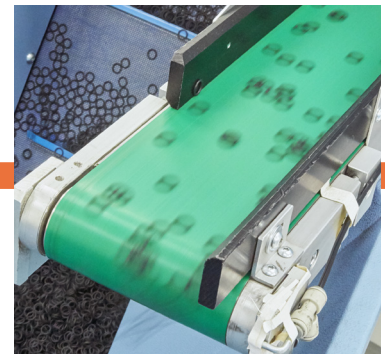
New Product Design + Development

- Mold flow, FEA, DFM, Tool Design, Prototyping
- 7 Stage NPD Process from opportunity Assessment to production Control
- Industry leading production-intent prototyping speed produced in unique single-site innovation center



Manufacturing, Testing + Assembly

- Comprehensive Advanced Molding Techniques
- Sterile Packaged Assembly Capabilities
- World Class Vision Inspection Systems



Ongoing Global Support + Localization

- Logistics Management
- Worldwide Dedicated Local Customer Support



Operational Excellence + Supply Chain Consolidation

- Worldwide Manufacturing + Design
- Quality Control
- Program Management

Markets + Applications

Our materials-science expertise coupled with world-class design + manufacturing capabilities provide critical rubber + plastic sealing solutions across a multitude of demanding applications + industries.



Medical Device Components + Assembly

Scores of medical device companies, from diversified global leaders to mid-size specialty manufacturers, turn to Minnesota Rubber & Plastics for our advanced material expertise.

For years, we've used science and technology to solve sealing problems for hundreds of medical applications. Minnesota Rubber & Plastics provides end-to-end services from design and development to manufacturing and assembly of precision components for medical device applications.

Diabetes | Cardiovascular | Diagnostics | Surgical Instruments
Structural Heart | Cell Therapy



Water, Food + Beverage

Global leaders in the water filtration, faucet/fixture, and beverage dispensing markets lean on Minnesota Rubber and Plastics 75 years of material science, design and manufacturing expertise to solve their most challenging sealing problems.

We have a full portfolio of globally certified materials to perform in the most demanding applications coupled with the one of the most experienced design teams on the industry. Minnesota Rubber & Plastics engineers and manufactures thousands of precision components designed for water, food and beverage applications.

Drinking Water Filtration | Beverage Dispensers | Water Treatment
Press/Push Fittings | Water Heaters | Faucet + Fixtures



Specialty Industrial

Custom seals in specialty industrial applications are critical to providing the capacity to keep the global supply chain and utilities running efficiently. Components in these critical applications made by original equipment manufacturers are in innovative products that efficiently move liquids, gases, electricity, telecommunications, and more across the globe.

For decades we have designed, developed, and manufactured industrial sealing products for harsh environments, tight tolerances, and technically demanding applications, including multi-material solutions and custom material formulations. From prototyping to final production, our advanced materials science and design engineering services provide timely answers to difficult design questions.

**Smart Meters | 5G Fiber Optic Connectors
Fluid Power | Industrial Automation**



Infrastructure

The infrastructure market demands manufacturers have a deep knowledge and understanding of all-encompassing end-market applications. The market also requires component design and materials-knowledge for products that function without failure, in demanding applications.

We are uniquely positioned to offer both rubber and plastic combination parts for infrastructure applications. This allows us to provide greater development and production efficiencies, thereby reducing development time and costs. For static and dynamic applications, our expertise in engineering design, materials science, manufacturing and assembly has made us the preferred supplier for infrastructure original equipment manufacturers (OEM) around the globe.

Rail | Heavy Truck / Agriculture + Construction | Power/ Oil + Gas



Automotive

When friction, sealing, dimensional stability and wear are crucial, rely on us. Whether high-performance plastic or custom-molded rubber, we'll deliver the high-quality seals, thrust washers, and other critical-to-function components your system needs to run smoothly and efficiently. Minnesota Rubber & Plastics engineers and manufactures thousands of precision components designed for transportation applications.

**Transmissions + Torque Management | Engines | Brake Systems
Fuel Systems | Chassis Control Systems | Hybrid/EV Systems**

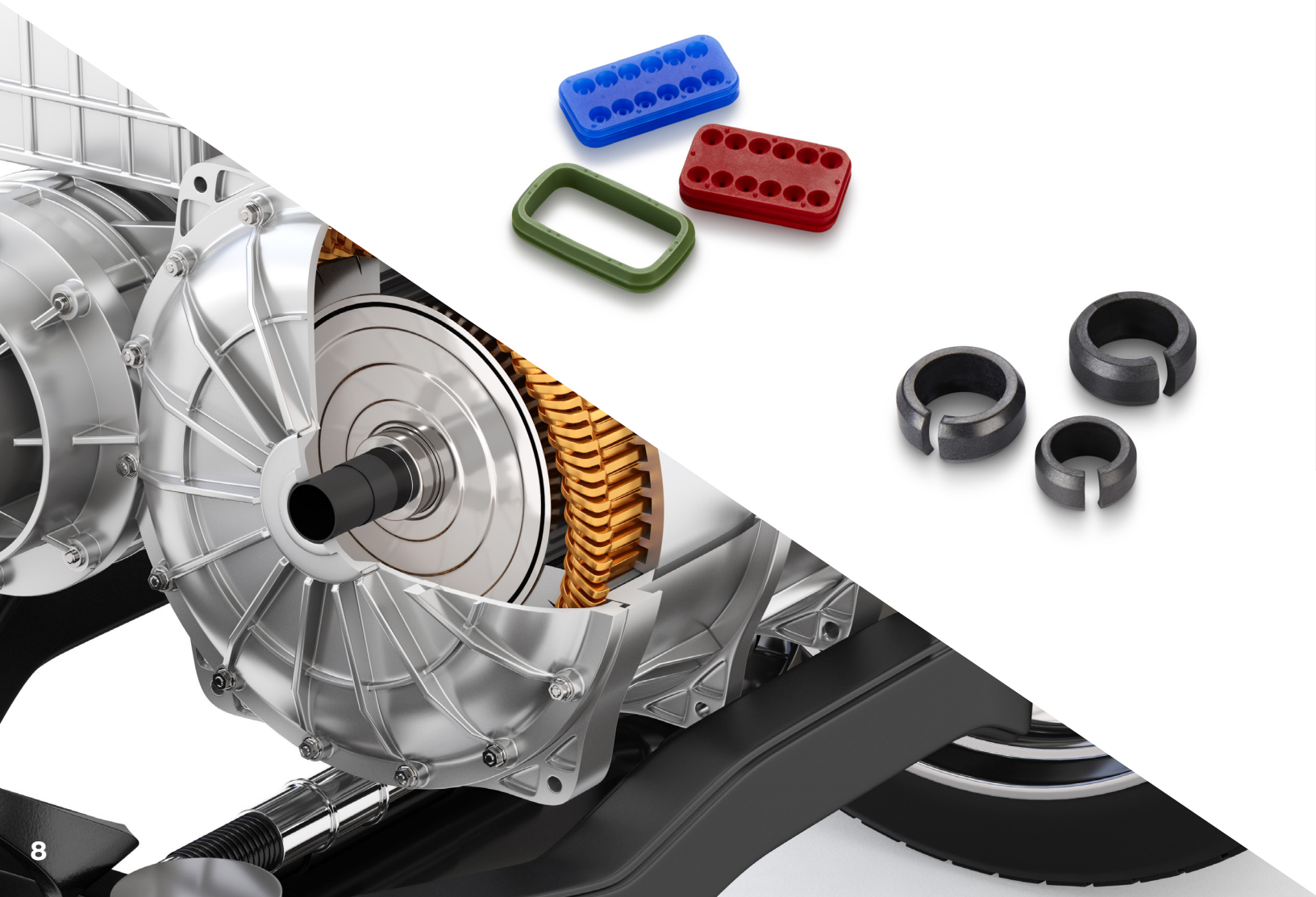




Our Advanced Materials Lab Helps Keep Projects On-Time, On-Budget

Speed-to-market is at the forefront of every project we partner on. Our **materials scientists and chemists will mold and test the components** with multiple chemistries in creating the final material + design.

We'll also **develop the ideal component** by perfecting the right mix of temperature, environment compatibility, hardness, compression + certifications.

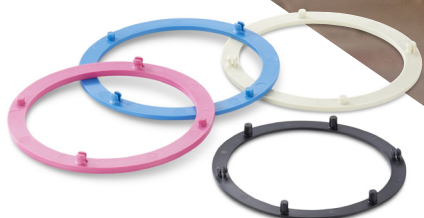
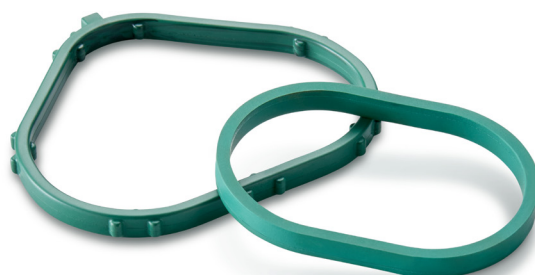




Optimized Development Through an Extensive Library of Customizable Compounds

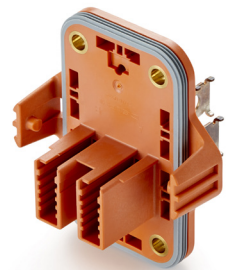
Get a head start **developing custom components** when you access our thousands of proprietary elastomer compounds.

Of course, we **perfect your R&D batches** to ensure each is scalable in a production setting.



Over 75 Years of Material Science Firsts, Manufacturing Innovations

- **One of the first to launch turnkey manufacturing** for both plastics + rubber molding including — over molding of rubber onto thermoplastics.
- **Pioneered chlorine + chloramine resistant elastomer formulations** for potable water applications with global industry certifications.
- Received **multiple supplier excellence awards** (quality, innovation, service) from leading manufacturers like Medtronic + General Motors.
- Brought the industry standard Quad® brand family of products to the market .





Top Quality + Environmental Certifications

Medical Markets: We have four ISO 13485 certified + FDA registered sites in North America, Europe + Asia.

Water Food + Beverage Markets: Each of our US, China, France + Mexico production facilities are certified by NSF/ANSI.

Automotive, Infrastructure, and Specialty Industrial Markets: Global facilities are IATF 16949:2016, ISO 9001:2015, + ISO 14001:





The Innovation Center

Bring Products to Life. Faster.

Expanded R&D capabilities now under one roof:

- Production-intent prototyping
- Tooling
- Materials science
- Design
- Testing

The Result? Bring new products to market faster than ever.

- Unrivaled prototyping speed from a full spectrum of rubber, silicones, + thermoplastics
- A better way to collaborate with our materials scientists + engineers



The state-of-the-art Innovation Center offers a unique engineer-to-engineer experience, you can work side-by-side with our materials scientists + design engineers or engage online to achieve new levels of creativity, innovation, product performance + enhanced speed-to-market.



Careers

Quadion, LLC / Minnesota Rubber & Plastics is growing, changing, and constantly developing new and diverse ideas and people.

Through commitment to teamwork, a dynamic culture, innovation + integrity, employees can grow + succeed in their careers while delivering high-quality results in both products + people.



**Join the Quadion LLC
Minnesota Rubber & Plastics team**

952.927.1400

mnrubber.com

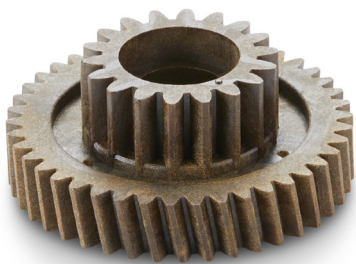
humanresources@quadion.com



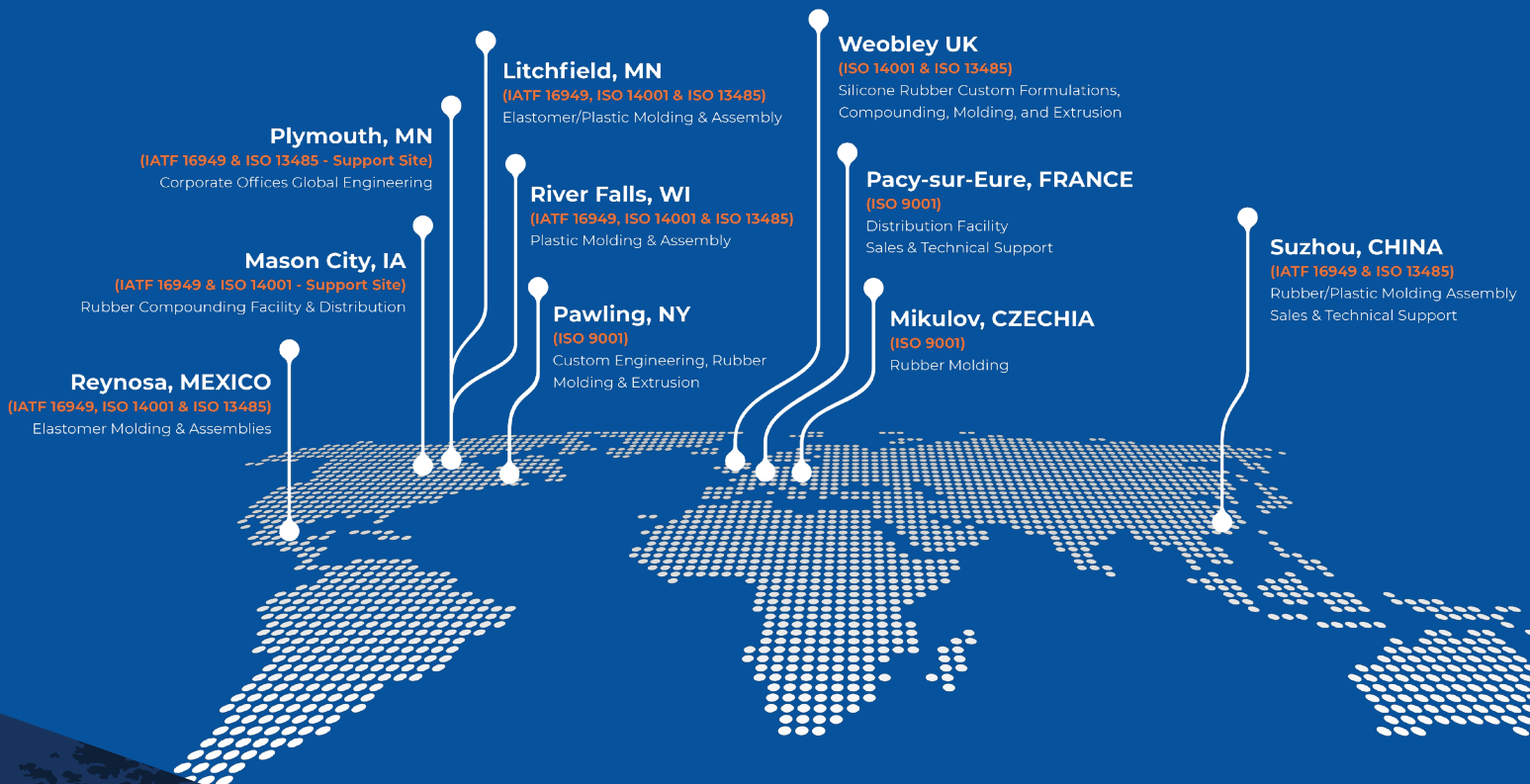


Manufacturing + Supply Chain: Local Presence, Global Reach

MRP engineers and technical experts are collocated with our **manufacturing facilities across the globe** to help you with design engineering, prototyping + materials development.



Global Manufacturing Facilities



Contact us today **to learn more**

Our Global Manufacturing Facilities
put you closer to your customers

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