

Better Science. Better Service. Better Solutions.



CDI
PRODUCTS®

**High-Performance
Polymer Products**

A Michelin Group Company



**Aerospace, Energy, Semiconductor, Power Generation, Petrochemical,
Medical, Pharmaceutical, Industrial Processing, Clean Water Management and Beyond**



OUR FOCUS

With over 50 years of experience, CDI is an industry leader in the design, manufacturing, and processing of high-quality, high-performance seals and components. We are vertically integrated and highly experienced in a broad scope of advanced polymer materials and blends. With strategic locations around the globe, we provide critical solutions, on time, to your specification, at a quality level you can trust.

750

CUSTOM-MADE
MATERIALS

30

MANUFACTURING
PROCESSES

1

GLOBAL
COMPANY

NORTH AMERICA

- Houston (Manufacturing, Engineering, Material Design, and Sales)
- Texas, Wisconsin, Ohio, and Illinois (Sales)
- EGC - Ohio (Manufacturing, Engineering, and Sales)
- Slade - North Carolina (Manufacturing, Engineering, and Sales)

EUROPE

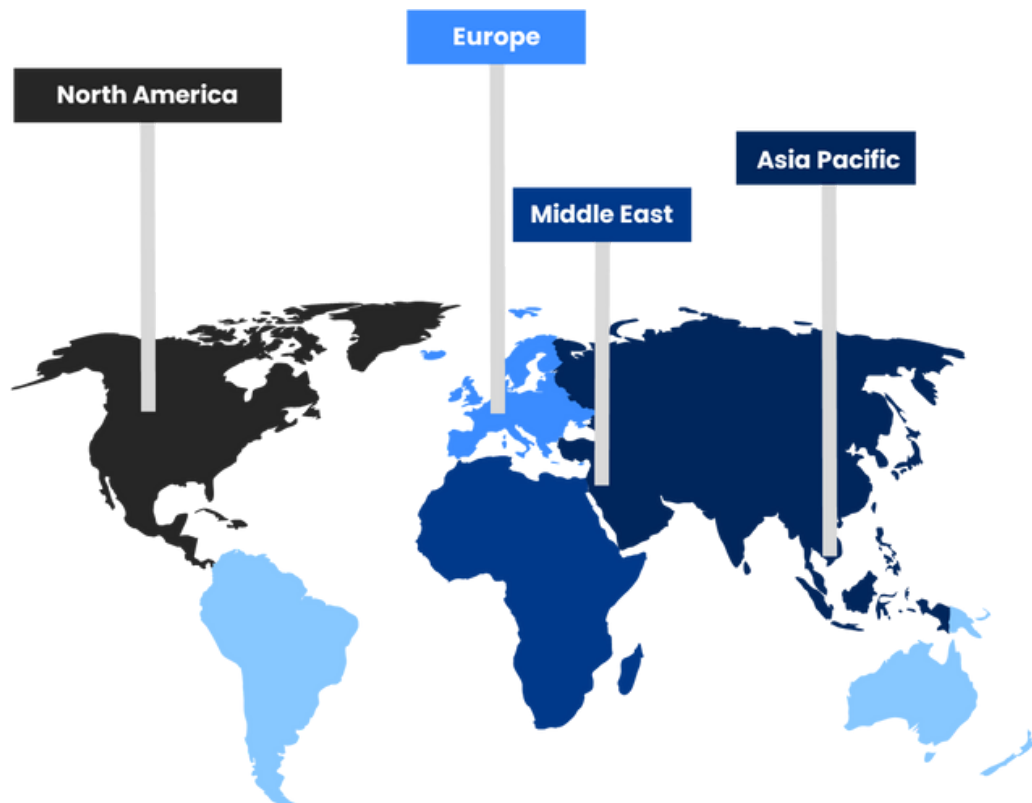
- Milan (Sales)
- Aberdeen (Sales)

MIDDLE EAST

- Saudi Arabia - Coming Soon - (Manufacturing, Engineering, Material Design, and Sales)

ASIA PACIFIC

- Singapore (Manufacturing, Engineering, Material Design, and Sales)



VISION STATEMENT

To Be A Global Leader in the Design, Development, and Manufacture of High-Performance Polymer Products and a Strategic Partner to Critical Industries Worldwide

INDUSTRIES

We provide critical components, material development, and engineered applications for markets across a multitude of industries:

- Oil & Gas
- Aerospace & Defense
- Semiconductor
- Medical & Pharmaceutical
- Industrial Processing
- Refining & Petrochemical
- Liquid Natural Gas & Cryogenics
- Renewable Energy
- Clean Water Management
- Fluid Handling & Transfer
- Power Generation
- Automotive & Transportation

PARENT COMPANY

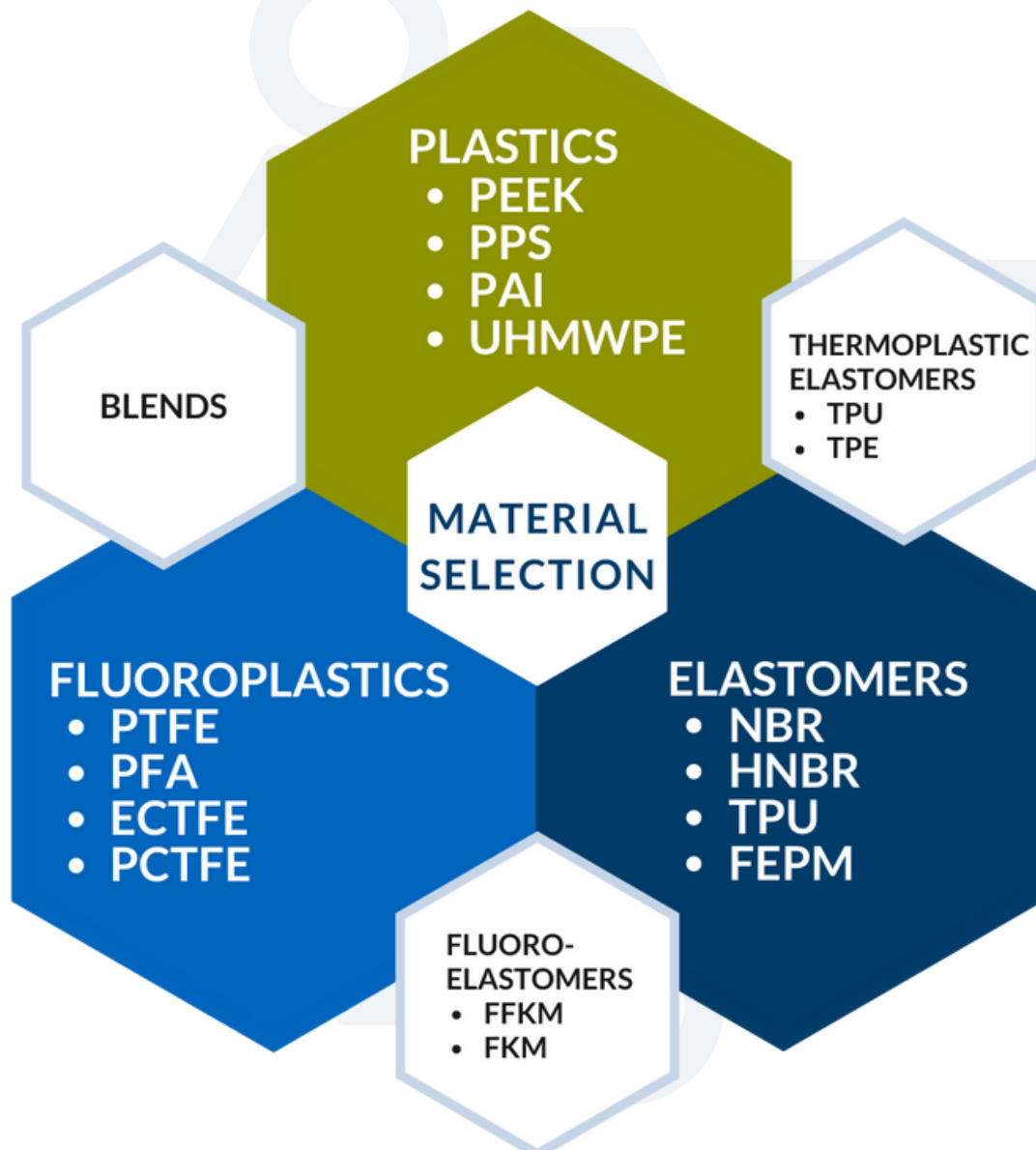
CDI Products is proud to be a Michelin Group Company, part of Michelin's High Tech Materials Division.





TECHNOLOGICALLY ADVANCED MATERIALS

Strategic investment in material development ensures implementation of the latest achievements and technical progress in material science. We are highly experienced in a broad scope of advanced materials – from plastics to elastomers to advanced fluoropolymers and thermoplastics. In high-performance composite components, our expertise ensures reliable bonding and performance.



EXCEPTIONAL CHALLENGES REQUIRE CUSTOM FORMULATED MATERIALS.

MANUFACTURING SERVICES

CDI offers fully integrated manufacturing services which utilize our capabilities across our multiple manufacturing facilities, our international sales hubs, and our global supply chain.

- Injection, Compression & Isostatic Molding
- Melt and Ram Extrusion
- CNC Machining & Tight Tolerance Machining
- Pultrusion & Thermoforming
- Grinding, Filament Winding & Textile Weaving
- Robotics, Rapid Prototyping & 3D Printing
- Kitting & Assembly
- Testing
- Fabrication
- In-House Material Blending & Compound Development
- Large Diameter (Up to 110")

CUSTOM PRODUCTS

CDI designs and manufactures a diverse array of custom products including sealing components, bearings and wear components, functional components, and more.





AEROSPACE & DEFENSE

Commercial or military-grade aircraft are subject to extreme altitude, pressure, temperature, and speed fluctuations, coupled with dynamic weather and environmental conditions. Sealing, sensor protection, vehicle integrity, power & fuel management, and braking systems require precision and component integrity.

- Armorlene®, Arylast™, Arylex®, PEEK, PPS, PTFE
- T-Seals, OptiSeals®, Cap Seals, Piston Rings, Face Seals, Back-up Rings, Bearings, Scrapers, and more.



OIL AND GAS

Our technological advancements enable operators and service providers to access remote reservoirs and explore complex well architecture. Our components must be capable of withstanding challenges of scale and complexity.

- Elastomers, Thermoplastics, PTFE, Composites
- High-Pressure Pump Packing, Downhole Tool Seal Stacks, BOP & Bonded Seals, Valve Stem & Seats, Liner Hanger Seals, A6R Downhole Pump Seals, OptiSeal® Sets, Piston & Rider Rings, Packing & Oil Wiper Rings, Compressor Valve Components, Fibrex® bearings, and more.



REFINING & PETROCHEMICAL

Refineries and petrochemical facilities across the globe process hazardous chemicals into consumer products, from gasoline to cosmetics. Any sealing device needs to handle the critical demands of such essential equipment.

- Elastomers, Thermoplastics, PTFE, Composites
- dures® pump wear components, Valve Stem Seals, Fugitive Emissions Seal Sets, OptiSeal® Sets, Piston & Rider Rings, Packing & Oil Wiper Rings, Compressor Valve Components, Fibrex® bearings, and more.



INDUSTRIAL PROCESSING

Industrial processing involves equipment that processes various sealing and wear products, including pumps, valves, compressors, and turbines. Under strenuous production loads, formidable components are vital.

- Elastomers, Thermoplastics, PTFE, Composites
- Bearings, Bushings, Diaphragms, Piston Rings, Piston Cups, Shaft Seals, Compressor Sealing Components, Custom Molded Products, and more.



POWER GENERATION

Power plants generate electricity from primary energy sources such as natural gas, nuclear fission, water, solar, or wind energy. As power plants are focused on efficiency, planned or unplanned downtime can significantly impact operations, leading to lost energy production. Component integrity is essential.

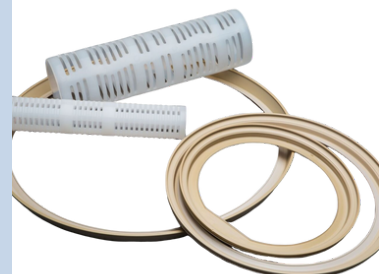
- Elastomers, Thermoplastics, Composites
- dures® pump wear components, Stem Seals, Seal Stacks, and Seats, Valve Stem Seals, Pump Seals, and more.



SEMICONDUCTOR

Harsh chemicals and ultra-pure processes are required to manufacture semiconductors in industries worldwide. CDI partners with OEMs to provide materials and designs to ensure safety and quality.

- PEEK, PFA, FFKM
- Chemical Delivery Unit Seals, Filtration Cartridges, Wafer Seals, Pump & Valve Components, Flow Controller Seals, Sight Glass Seals, Heat Transfer Equipment Seals, and more.





MEDICAL & PHARMACEUTICAL

Complex medical device design, development, and production applications necessitate precision, strict tolerances, validation, and often rapid delivery. Polymers are used to create medical equipment device housings and enclosures, oxygen concentrators & compressors, sealing for diagnostic equipment, and much more.

- Thermoplastics, PTFE
- Packing sets, Piston Cups & Rings, Medical Device Components, O-Rings, and more.

LNG/CRYOGENICS

LNG is supercooled to -260° Fahrenheit (-162° Celsius), making transporting large amounts of gas easier and more economical. Cryogenics are significantly impacting essential industries like medical, pharmaceutical, technology, food and beverage, electronics, metal processing, and energy.

- Elastomers, PTFE, PTFE Blends, PEEK, UHMW-PE
- Valve Stem Seals, Valve Seats, Compressor Sealing Components, OptiSeals® and more.

RENEWABLE ENERGY

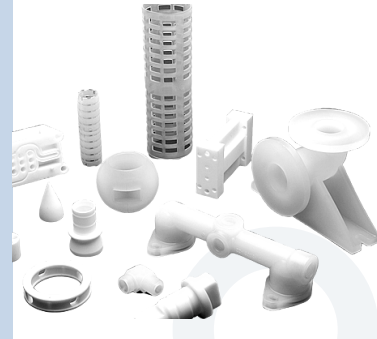
Renewable energy is derived from natural resources like solar, wind, rain, tides, waves, and geothermal heat. Renewable energies can be quite demanding applications, with components and seals sustaining substantial wear.

- Elastomers, Thermoplastics, Filled PTFE, UHMW-PE
- Primary Turbine Shaft Seals, Pitch Bearing Seals, Yaw Bearing Seals, Custom Springs, and more.

WATER MANAGEMENT

The world relies on water for life - from clean drinking water resources to wastewater to hydroelectric power. CDI designs products for water filtration, reverse osmosis, water transportation, and more.

- dures® H2O, Thermoplastics, PTFE, Elastomers, UHMW-PE, and more.
- Valve Stem Seals, Pump Seals, Plastic Housings, Fibrex® bearings, and more.



FLUID HANDLING & TRANSFER

When moving fluids and gases through a process, it is critical to mitigate leakage. Environmental, economic, and safety concerns demand superior sealing solutions. Quality cannot be compromised with so much at stake.

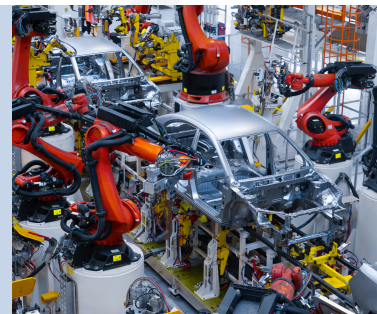
- Elastomers, Thermoplastics, PTFE, Composites
- dures® pump wear components, Valve Stem Seals, Fugitive Emissions Seal Sets, OptiSeal® Sets, Pump Seals, Fibrex® bearings, and more.



AUTOMOTIVE

Engineered elastomers and thermoplastics are critical for engine performance. Our Permeon technology allows the exact amount of oxygen required for ultimate engine performance. We also provide parts for paint spray systems.

- Permeon® Breathable PTFE
- Oxygen Sensor Grommets, high-temperature exhaust sealing, and more.



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COMPANY COMMITMENTS

Despite our cutting-edge materials and vertically integrated manufacturing capabilities, our employees make the most significant impact on our business. CDI is fortunate to have the best and the brightest on our team, leading new initiatives and helping us meet and exceed our customers' expectations.

Our 5 Company Commitments were developed with our employees in mind. These commitments reinforce our dedication to their development and success. Through education, cross-training, and engagement, we foster an environment of collaboration and teamwork. We are dedicated to maintaining a safe and caring culture, to growth, to keeping our promises, to improvement, and to supporting our customers' success.

A SAFE & CARING CULTURE

EMPOWERING & DEVELOPING PEOPLE

KEEPING PROMISES

ALWAYS LEARNING & IMPROVING

CUSTOMER SUCCESS



COMPANY ACQUISITION

In 2023, CDI announced the acquisition of EGC Enterprises, Inc., a leading producer of graphite-based sealing products with locations in Ohio and North Carolina. EGC provides highly engineered, customized products for fluid sealing, on-highway and off-highway exhaust emissions, aerospace, and thermal management applications. The acquisition of EGC fits into CDI's strategy to expand its market share in industries with growing demand, including power generation, general industrial, aerospace and defense, and water treatment, while enhancing its flexible graphite capabilities.

[You can learn more at egcgraphite.com.](https://egcgraphite.com)



LIVE SAFETY & MAKE AN IMPACT EVERY DAY

We are committed to empowering safe practices and continuous improvement across our global footprint. With a focus on environmental sustainability, cultural sensitivity, and personal accountability, we recognize our team for their efforts to support and protect the members of the CDI family.



API Q1
AS9100
ISO 9001
ISO 13485
ISO14001
ISO 45001
BIZSAFE STAR



ENVIRONMENTAL RESPONSIBILITY

Sustainability and environmental responsibility are ingrained in every function of our business. Our objective is to provide the components that keep potential hazards from becoming health, safety, and environmental problems. Our products are designed to safeguard the environment and keep hazards at bay. In our facilities, we strive to be 100% recyclable or reusable. We have reduced facility emissions by 7.22 tons in the past few years.



CDI is proud to partner with some of the best companies across our market segments. Whether working with Fortune 500 businesses or privately owned OEMs, our dedication and service remain the same.

WHAT OUR CUSTOMERS SAY

"CDI is extremely helpful on recent R&D seal development, and price and delivery times are above expectation for R&D, better than competitors. For R&D, short delivery times for low quantities are a big challenge to enable projects to keep on track and CDI has been a key factor on meeting our goals."

Standing by to help with the most critical demands in your most difficult environments. Contact us today to learn how we can work together.

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Phone: +1 281.446.6662

Asia-Pacific Manufacturing:
10 Tuas South Street 5, Singapore, 637792
Phone: +65 6861.6811

Saudi Arabia Manufacturing:
(Under construction - Operational Late 2023)
7155 Dhahran, Dammam Abqaiq Road, Dhahran 34521
Phone: +966 50632.2838

For Inquiries: CDI-Global.Sales@CDIproducts.com