

As an **ISO 9001-2015** certified company,

we go above and beyond standard to deliver outstanding results *on time and on budget.*



A DIVERSITY OF PRODUCTS & SERVICES

- ✓ Engineering & Product Development.
- ✓ Testing.
- ✓ Inspection and Quality Control.
- ✓ Polyurethane Processing.
- ✓ Precision Machining.
- ✓ Fabricating.
- ✓ Powder Coating.

COMMUNITY OF BUSINESSES

The capabilities of the Caster Concepts community of businesses allows the flexibility and cost savings to mass produce customize products with shorter lead times.



CONTACT US

Consider the Caster Concepts family of businesses when you have outsourcing opportunities. Every company is certified by ISO 9001-2015 standards and will go above and beyond standard to meet your specifications.



MANUFACTURE GREATNESS

Within our employees to positively impact our families, communities, and customers.

SCAN ME TO VISIT OUR WEBSITE



16000 W. Michigan Ave
Albion, MI 49224
517-680-4213
www.casterconcepts.com
Office Hours: 8am – 6pm (EST) Mon.-Fri.

PROVEN CAPABILITIES



CASTER CONCEPTS
Beyond Standard.

WHY CASTER CONCEPTS?

The leader in industrial caster and wheel solutions for virtually every industry, Caster Concepts has a long history of quality products, outstanding service, and a never-ending desire for exceptional results.

Headquartered in Albion, Michigan, Caster Concepts is an efficient, modern facility with state-of-the-art manufacturing and testing equipment and highly skilled employees. We help our customers solve their motion problems cost-effectively within the shortest possible time.

Caster Concepts diversity of products and services allows us to meet almost any manufacturing need, from custom machining and laser applications to wheels, casters, and fabrication.

We deliver products that best fits our customers' applications rather than adapting the application to fit the product.



ENGINEERING & PRODUCT DEVELOPMENT

Prototypes and production of custom products, dynamic testing, Finite Element Analysis (FEA), and design.

- ✓ Design, Prototyping and Production of Custom Products and Automation
- ✓ Dynamic Testing, Proof of Concept Evaluation
- ✓ Finite Element Analysis (FEA) and Design
- ✓ Design and Development of Gauges and Fixtures
- ✓ Solidworks CAD Software

TESTING

Wheel endurance and fatigue analysis, bond and peel testing, wheel shock absorption, dynamic and static performance.

- ✓ Wheel Endurance and Fatigue Analysis on Drum Testing Machine
- ✓ 24/7 Monitoring Multiple Sensors for Feedback
- ✓ Bond and Peel testing, and Qualification with up to 20,000lbs pull pressure.
- ✓ Wheel Shock Absorption, Dynamic and Static Performance

INSPECTION & QUALITY CONTROL

ISO 9001-2015 certified, comparator and profilometer measurements, material hardness, full statistical process control.

- ✓ ISO 9001-2015 Certified Facilities
- ✓ Comparator for Voltage and Profilometer for Surface Roughness Measurement
- ✓ Rockwell Material Hardness Testing
- ✓ Full Statistical Process Control (SPC)

PRECISION MACHINING

Up to 36-inch CNC turning, milling, broaching, horizontal boring, OD and ID grinding.

- ✓ Specializing in short and long production runs
- ✓ CNC Vertical Lathe with Turning Capacity up to 60" Diameter
- ✓ CNC Milling with bed size of 64" x 32" and z-axis reach of 25.5"
- ✓ Screw Machines Capable of 9/16" to 2-5/8"
- ✓ Broaching (24", 48", 72")
- ✓ Horizontal Boring up to 68" x 84"
- ✓ OD Grinding up to 28" D x 96" L
- ✓ ID Grinding up to 18" D x 16" L
- ✓ Centerless Grinding up to 1.5" Diameter and 10" in Length

POLYURETHANE PROCESSING

Metal bonding, metered mixing, special and custom mold designs, batch processing.

- ✓ Expertise in Bonding to Metal
- ✓ Metered Mixing Capabilities
- ✓ Capable of Pouring Varying Durometers to meet Specifications
- ✓ Special and Custom Mold Designs
- ✓ Batch Processing Capable (For R&D or Small Quantities)

We Build Trust Through: ON TIME DELIVERY

When we give our word on delivery, we are committed to doing everything within our control to meet our promise.



FABRICATING

Laser cutting, forming, manual and robotic welding, and metal cutting.

- ✓ Software Driven Laser Cutting with 5 ft x 10 ft Shuttle Table
- ✓ Steel up to 1-1/8"
- ✓ Aluminum up to 3/8"
- ✓ Stainless Steel up to 1/2"
- ✓ Call for other materials
- ✓ Forming on 240 Ton Brake Press w/ 14 ft Bed
- ✓ Welding - Metal Arc (MIG) and Gas Tungsten Arc (TIG)
- ✓ Robotic Welding with high precision
- ✓ Manual Multi-Process Welding of Thicker Materials
- ✓ Metal Cutting 1/2" up to 20" Diameter

POWDER COATING

Large and small custom color batches from one unit to thousands.

- ✓ Can Run Any Custom Color
- ✓ Batches as Small as 1 unit to Large Runs of Thousands of Pieces
- ✓ Max Dimensions of 9ft x 9ft x 29ft