

WATERLOO GAUGE & PROTOTYPE

ONE STOP SHOP FOR MANUFACTURING

WATERLOGAUGE.COM

Waterloo Gauge & Prototype was founded in 2007 with an emphasis of producing quality components. From simple beginnings of pins and fixture manufacturing, we have diversified into becoming your one-stop shop for all your machining requirements. We are currently servicing Southwestern Ontario and our focus is to provide an honest and reliable service while working within your budget.

MACHINING CAPABILITIES

We utilize the latest technology to produce your custom machined parts, or rework existing components. We have 5-axis CNC, 3-axis CNC, lathes, mills, grinders, wire cutting and laser etching.

CNC MILLING (+/- 0.01mm Precision)

- (5-axis) Matsura MX-520 | 13" dia x 20.50" Z Envelope
- (3-axis) Fadal 4020 | 20" x 40" XY Envelope
- (3-axis) Hyundai Kia VX400 | 18" x 31" XY Envelope
- First Milling LC-185VS-B | 16" x 27" x 16" XYZ Envelope

TURNING (+/- 0.025mm Precision)

- Microwely Lathe TY-1630S | 6" dia x 20" long
- Hardinge Lathe | Small Parts Only

GRINDING

- Chevalier Surface Grinder | 6" x 18"



MATERIALS & SURFACE COATINGS

MATERIALS

- Carbon Steel
- Tool Steel
- Aluminum
- Aluminum-Bronze
- Plastics
- Copper
- Bronze
- Brass

SURFACE COATINGS

- Chrome
- Nickel
- Anodized (Clear, Color, Hard)
- Tich
- Nitrite
- Black Oxide
- Paint

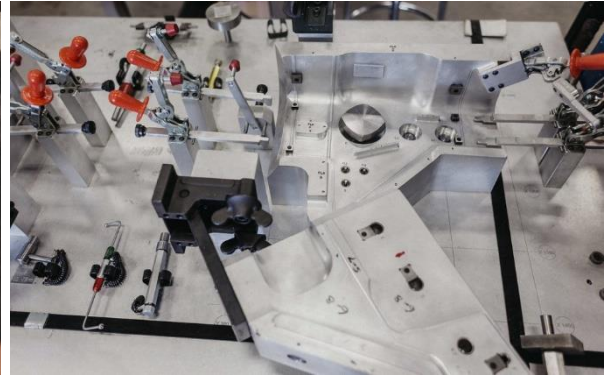
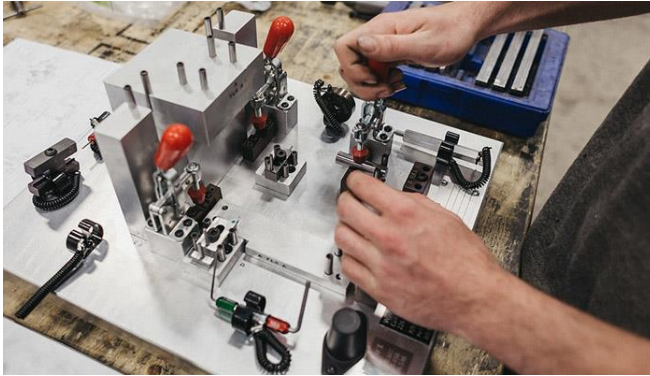
INDUSTRIES

Waterloo Gauge is involved in a wide range of industries, including automotive, mining, robotics & automation, food & beverage, machinery, forestry and many more!

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SPECIALTY SERVICES

CUSTOM MACHINING

Utilizing the latest technology in CNC machinery, we have expanded into new industries by providing one-off custom cut components or production milling. Our 5-axis / 3-axis CNC milling machines are quick and precise, and we use MasterCam programming. Please view our machining capabilities on the first page!

FIXTURES & GAUGES

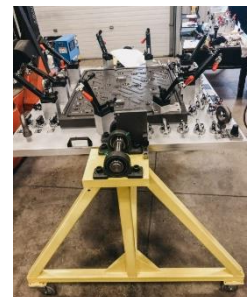
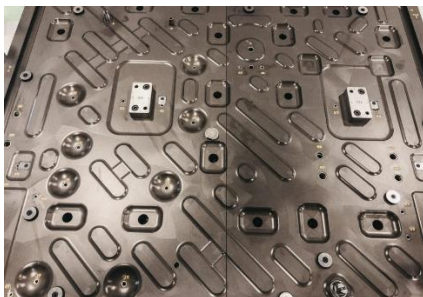
With state of the art machinery, we have the ability to design, manufacture, assemble and ship fixtures and gauges ranging from simple CMM holding, to fully custom measuring solutions cut from aluminum to minimize weight, or steel to maximize durability.

CUSTOM PINS

We are the pin fabrication experts, and we can help bring your design to life with custom pins or replacement pins for existing projects. We produce 2/4-way pins, plug pins, captive pins, go/nogos, or any custom design you require with various materials, finishes and handles available.

PARTS & REPAIRS

We have the ability to provide custom repair and replacement services for your existing fixtures. From simple modifications to involved re-design and addons, we can offer a complete solution including modified CAD data and reports.



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ONE STOP MANUFACTURING SHOP

We want to be your single solution source, and we offer services beyond machining to satisfy your project package requirements.

FABRICATION, WELDING & ASSEMBLY

Medium-duty fabrication, custom welding, and light automation is what makes us your one-stop shop for all things metal and aluminum. We can produce carts, trays, small platforms, automated stations, weldments and much more.

CMM & QUALITY MEASUREMENT REPORTS

Quality is an important aspect of any manufacturing process, and we certify our work as required by our clients to ensure that all aspects of the design, cutting and assembly meet the expectations. Waterloo Gauge can provide in-house pin and gauge reports or 3rd party ISO 17025 CMM reports for complex features and profiles.

LASER ENGRAVING & WIRECUTTING

Identifying parts and labeling components by engraving is becoming an industry standard practice. We have an in-house laser that can engrave / label parts for easy identification. Waterloo Gauge also has the ability to wirecut custom precise profiles in a variety of different materials.

CONTACT QUOTES

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