Machining, Welding & Fabrication

- Turnkey manufacturing solutions since 1873
- Transform raw material into complex machined and fabricated parts
- State-of-the-art machine shop and welding labs ready to tackle any project
- From prototype and custom designs to high-volume production quantities
- In-house fixture design, 3D CAD (Creo & Solidworks), 3D CNC Programming (CAMWorks)
- Capability to paint, heat treat, assemble, and package components

**Materials**
- Cast Iron, Steel, Stainless Steel
- Brass, Copper, Aluminum, Plastic

**Machining Processes**
- Milling, Drilling, Boring, Turning
- Thread Cutting, Drilling & Tapping
- Reaming, Hobbing, Broaching

**Machining Equipment**
- Horizontal & Vertical Machining Centers
- CNC Lathes & Mills, Drill Presses
- Hobbing & Broach, Saws

**Machining Specifications**
- Turning - 25" Diameter x 44" Long
- Milling - 41" Wide x 35" Long x 38" Tall
- Part Weights - Up to 250 lbs.

**Fabrication Processes**
- Welding, Cutting, Forming, Painting
- Custom Pipe Spool Design & Fabrication

**Fabrication Equipment**
- MIG, Stick, & TIG Welders, Plasma Cutter
- Pneumatic & Hydraulic presses
- Shot blaster, Vibratory Finisher

**Fabrication Specifications**
- 30' Long x 15' Wide x 20' Tall
- Assemblies up to 4 Tons

**Automation**
- Palletech Pallet Pool
- Robot Machine Tending
- Live Tool Lathes with Probing

**Certifications**
- ISO 9001:2015
- ITAR Compliant, AIS Compliant
- ANSI/NSF, ASSE, WSC, WQA, UL Certified Products
- ASME Boiler & Pressure Vessel S. IX Certified Welders
- On-Site Certified Welding Inspector w. CWI Stamp

**Quality Control**
- CMM with Laser Probe
- Romer Arm & 3D Scanning

Contact us to discuss your needs.
608-882-2708 or RFQ@Baker-Mfg.com

Baker Manufacturing Company, LLC
133 Enterprise St.
Evansville, WI 53536
- Baker Casting Division produces gray and ductile iron castings for large OEMs and machine shops
- Our customers value our quality/process control, metallurgical capabilities, and timely delivery
- Baker’s Foundry, Machine Shop & Finishing capabilities allow sole sourcing machined castings
- Cope & Drag molding centers allow transfer of customer’s existing patterns, saving costs on new tooling
- Our in-house pattern shop can rig, gate, and adapt transferred tooling to our machines/processes

### Casting Materials

<table>
<thead>
<tr>
<th>Iron Type</th>
<th>Tensile Range</th>
<th>Brinell Range</th>
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</thead>
<tbody>
<tr>
<td>Gray</td>
<td>25-40 KSI</td>
<td>170-269 BHN</td>
</tr>
<tr>
<td>Ductile</td>
<td>60-100 KSI</td>
<td>170-295 BHN</td>
</tr>
<tr>
<td>Austempered Ductile</td>
<td>130-200 KSI</td>
<td>269-477 BHN</td>
</tr>
</tbody>
</table>

### Casting Specifications

- Part Weights - Up to 150 lbs
- Largest Flask Size - 30" x 48"
- Order Quantities: 5 - 5,000+ pcs

### Melting

- 2 - 5,500lb Inductotherm Furnaces

### Molding

- B&P 20x16 & 26x20 Automatic Machines
- BMM Small Cope & Drag 25.5" x 40.25"
- BMM Large Cope & Drag 33" x 46"

### Coremaking

- SO2, Shell, and No Bake

### Grinding

- Swing, Stand, and Bench Grinding
- CNC/Robotic Grinding (Maus ReadyGrind)

### Patterns/Core Boxes

- In-House Rigging & Gating Design & Fabrication
- Clean, heated pattern storage
- External partnerships to develop new tooling

### Finishing

- On-site non-VOC Coatings for Paint & Rust Preventative
- External Partners for additional coating/plating
- External Heat Treat Partners

### Quality Control

- Stringent Metallurgical standards and testing
- CMM with Laser Probe
- Romer Arm & 3D Scanning

### Certifications

- ISO 9001-2015
- ITAR Compliant
- NSF, WQA, UL Certified products