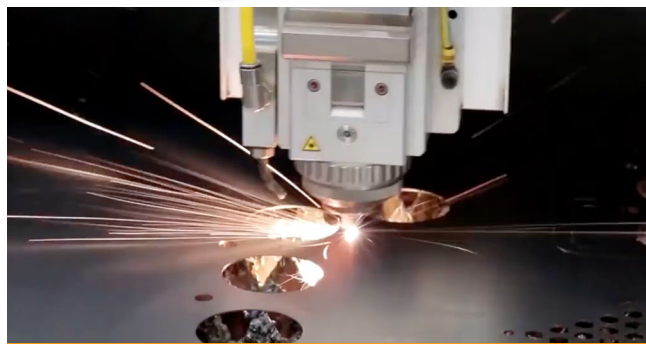


Hammond Machine Works

where precision engineering and innovation converge,
ensuring excellence in every component we create.

From individual parts to complete assemblies, we're equipped to handle the **most demanding manufacturing challenges.**

Services



Laser Cutting



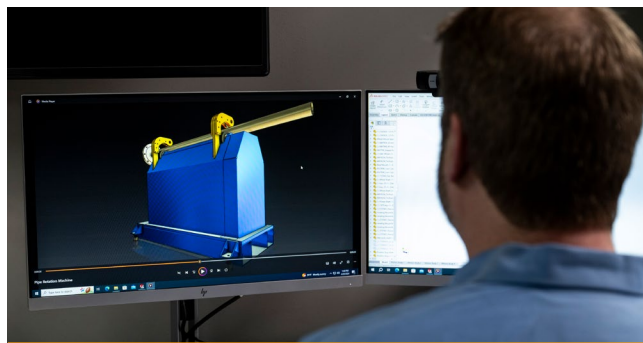
CNC Machining



Fabrication & Robotoc Welding



Assembly & Finishing



Engineering



Quality Control



Laser Cutting

Driving Cutting Edge Efficiencies.

Our fiber laser cutting system is designed to ensure maximum productivity and efficiency, delivering only top-performing laser cutting technology powered by the most innovative software on the market. Plus, the automated plate storage capabilities speeds up the process even more. We can now control scheduling better, have direct oversight of quality inspection and review and seamlessly move parts into our further assembly operation without any supply chain interruptions.



Equipment

Thanks to the unique design of the iNspire 1530 F20.0 and their carefully crafted components, dynamic linear motors on all axes, modern composite material body, carbon fiber traverse and eVa cutting head – the iNspire laser delivers high functioning efficiencies. The Eagle will achieve a positioning speed of up to 350m/min and acceleration of 6G.



Laser Cutting



CNC Machining

Turning complex projects into high quality parts.

Hammond Machine continually invests in the most state-of-the-art machining technologies. This enables us to deliver precision parts to meet your volume and delivery time requirements. Bring us any precision machining task and we can manufacture to your specifications, consult on part refinement or reverse engineer a hard to source part.

CNC TURNING

CNC turning centers include VTLs and dual-spindle lathes:

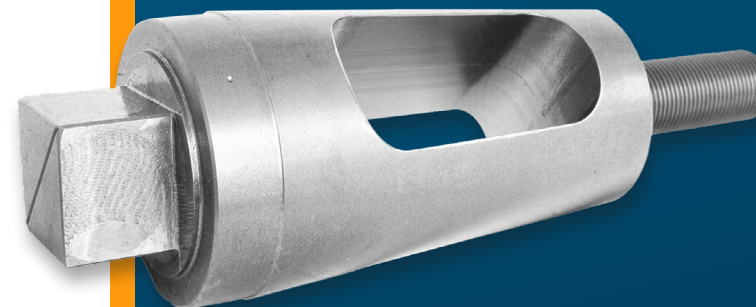
- Capable of high-level production
- Chuck material up to 42" in diameter and 64" in length

CNC MILLING

- CNC milling centers with dual-pallet changers and Palletech part-feeding systems
- Capable of machining parts up to 88" x 41.5" x 35.5"

CNC 5-AXIS MULTI-TASKING

- Integrex 5-axis machining centers to solve the most complicated machining situations



Milling Capabilities

BORING
COUNTERBORING
COUNTERSINKING
DRILLING

POCKETING
PROFILING
REAMING
TAPPING

| | | | |
|-------------------------------|---|-------------------------------------|--|
| Tolerances | ± .001" | Lead Times Available | Min 1 Day Quoted on job by job basis Emergency/Rush services available Just In Time (J.I.T.) Programs |
| Part Length | Max 88 inches | Materials (Metals) | Alloy Steels Carbon Steel Monel Aluminum Copper Stainless Steel Brass Hastelloy Titanium Bronze Alloys Inconel TC-128 |
| Part Width | Max 41.5 inches | Materials (Plastic Polymers) | We work with a wide array of materials. Please call to inquire about your application. |
| Part Height | Max 35.5 inches | Secondary Services Offered | Tapping, Threading, Welding We offer an array of secondary and finishing services through our pre-qualified list of vendors: Plating, Heat Treating, Grinding, Anodizing |
| Axes | 3 4 5 | Industry Focus | Railcar, Steel Mill, Energy, Off-Highway |
| Equipment Capabilities | CNC Control Capabilities Dual Pallets on Vertical & Horizontal Mills Engraving Capabilities Palletech Part Feeding Systems 5-Axis Multi-Tasking | Intended Applications | Housings, Flanges, Valves We work with a wide range of applications. Please inquire about yours. |
| Production Volume | 1 min Prototype to Mid-Volume Production | | |

Milling



Turning Capabilities

PARTING/CUTTING
FACING
DRILLING
KNURLING
BORING

TURNING:
- CONTOUR TURNING
- FORM TURNING
- TAPER TURNING
- STRAIGHT TURNING

THREADING :
- EXTERNAL
- INTERNAL

| | | | | | |
|-------------------------------|--|-------------------------------------|---|--|--|
| Tolerances | ± .001" | Lead Times Available | Min 1 Day Quoted on job by job basis Emergency/Rush services available Just In Time (J.I.T.) Programs | | |
| Part Diameter | Max 42 inches | Materials (Metals) | Alloy Steels Aluminum Brass Bronze Alloys | Carbon Steel Copper Hastelloy Inconel | Monel Stainless Steel Titanium TC-128 |
| Part Length | Max 64 inches | Materials (Plastic Polymers) | We work with many plastics. Please call to inquire about your application. | | |
| Equipment Capabilities | CNC Control Capabilities Bar Feeder 5-Axis Mutli-Tasking Machines CAD CAM Programming Services VTLs Dual Spindle Lathes | Secondary Services Offered | Tapping, Bending, Threading, Welding We provide a number of services through our pre-qualified vendors including: Plating, Heat Treating, Grinding, Anodizing | | |
| Chuck Type | Three-jaw chuck Four-jaw chuck Custom fixtures | Industry Focus | Railcar, Steel Mill, Energy, Off-Highway | | |
| Product Volume | 1 min Prototype to Mid-Volume Production | Intended Applications | Shafts, Valves, Flanges We work with a wide range of applications. Please inquire about yours. | | |

Turning





Metal Fabrication

Accuracy and skill for tough projects.

You'll come to expect and respect the attention to detail and pride we take in ensuring that every part we make meets the standards of your project. We put our trained and certified welders, robotic welding systems and product knowledge to work for every part we make.

OVERVIEW

- Specialize in welding aluminum and stainless steel
- Multiple robotic welding systems
- High-quality metal fabrication coupled with precision machining services
- True one-stop solution experience

EQUIPMENT

- Laser Cutting
- Track Burning
- CNC Rolls
- Shears
- Presses and press brakes

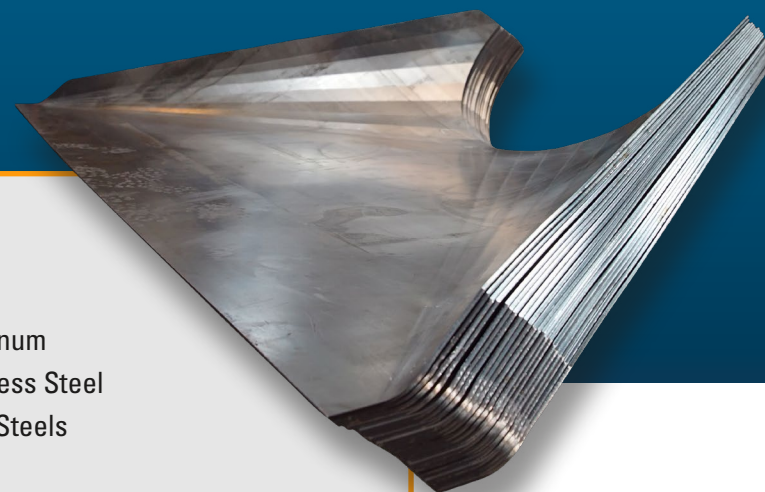
CERTIFIED EXPERTISE

- AWS and AAR certified welders
- MIG and TIG welding
- Extensive fabrication training



Metal Fabrication Capabilities

| | | | |
|---------------------------|--|-----------------------------|--|
| Fabrication Method | Bending Burning CNC Plasma Cutting Shearing Cutting Forming Assembly Rolling Sawing Welding - MIG - TIG | Materials Fabricated | Aluminum Stainless Steel Alloy Steels Brass Bronze Alloys Carbon Steel Copper |
| Production Volume | 1 min Prototype to Mid-Volume Production | Lead Times Available | Min 1 Day Quoted on job by job basis Emergency/Rush services available Just In Time (J.I.T.) Programs |



Fabricating



Assembly & Finishing

Applying the final touch.

With more services under one roof, Hammond Machine Works can take your parts through all the finishing touches. From painting and coating to finished assembly, we provide the breadth of services to supply your finished parts exactly the way you need them.

OVERVIEW

- Complete assembly and finishing services
- Conveyor-fed paint booth for rapid application and cure of a variety of coatings

CAPABILITIES

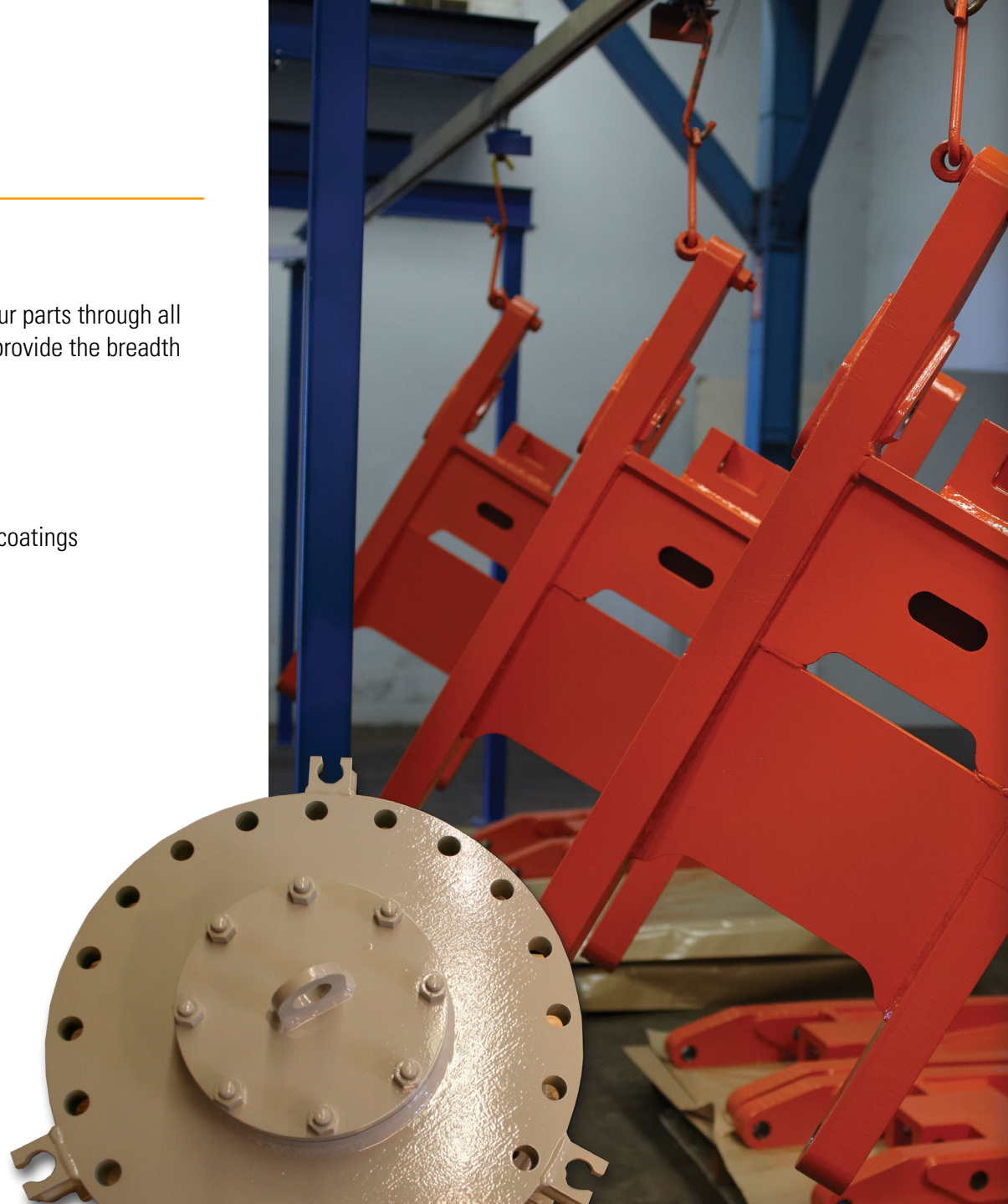
Assembly Services

Basic hardware installation to full, ready-to-use assemblies.

- Deburring
- Hucking
- MIG and TIG welding
- Nut and bolt assembly
- Polishing
- Pop-riveting

Finishing Services (through network of suppliers)

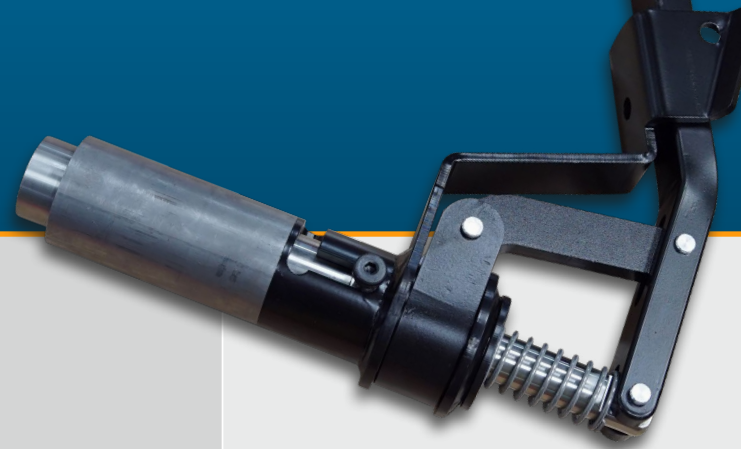
- Anodizing
- Heat treating
- Plating
- Powder coating
- Precision grinding
- Sand blasting
- Water jet work



Assembly



Assembly & Finishing Capabilities



| | | | | |
|-----------------------------------|---|---|-------------------------------------|--|
| Type of Finishing Services | Paint-Booth: Conveyor System, Curing System Surface Grinding Deburring - Grinding Marking/Engraving Mechanical Assembly We offer a number of finishing services through our pre-qualified list of vendors including: | | Materials (Metals) | Alloy Steels Carbon Steel Monel Aluminum Copper Stainless Steel Brass Hastelloy Titanium Bronze Alloys Inconel TC-128 |
| | Annealing Anodizing Electropolishing Epoxy Coating Heat Treating NDT Passivating Phosphate Coating Plating Powder Coating Stress Relieving | Plating - Black Oxide - Cadmium - Chromate - Copper - Electroless Nickel - Rhodium - Tin - Zinc | | |
| Production Volume | 1 min Prototype to Mid-Volume Production | | Materials (Plastic Polymers) | We work with a wide array of materials. Please call to inquire about your application. |

Assembly

Customized to fit your specifications and budget.

Flexibility is everything when it comes to engineering. That's why Hammond Machine Works delivers a range of customized engineering services, whether it's working from your drawings, advising in the design stages, manufacturing prototypes or reverse engineering.

OVERVIEW

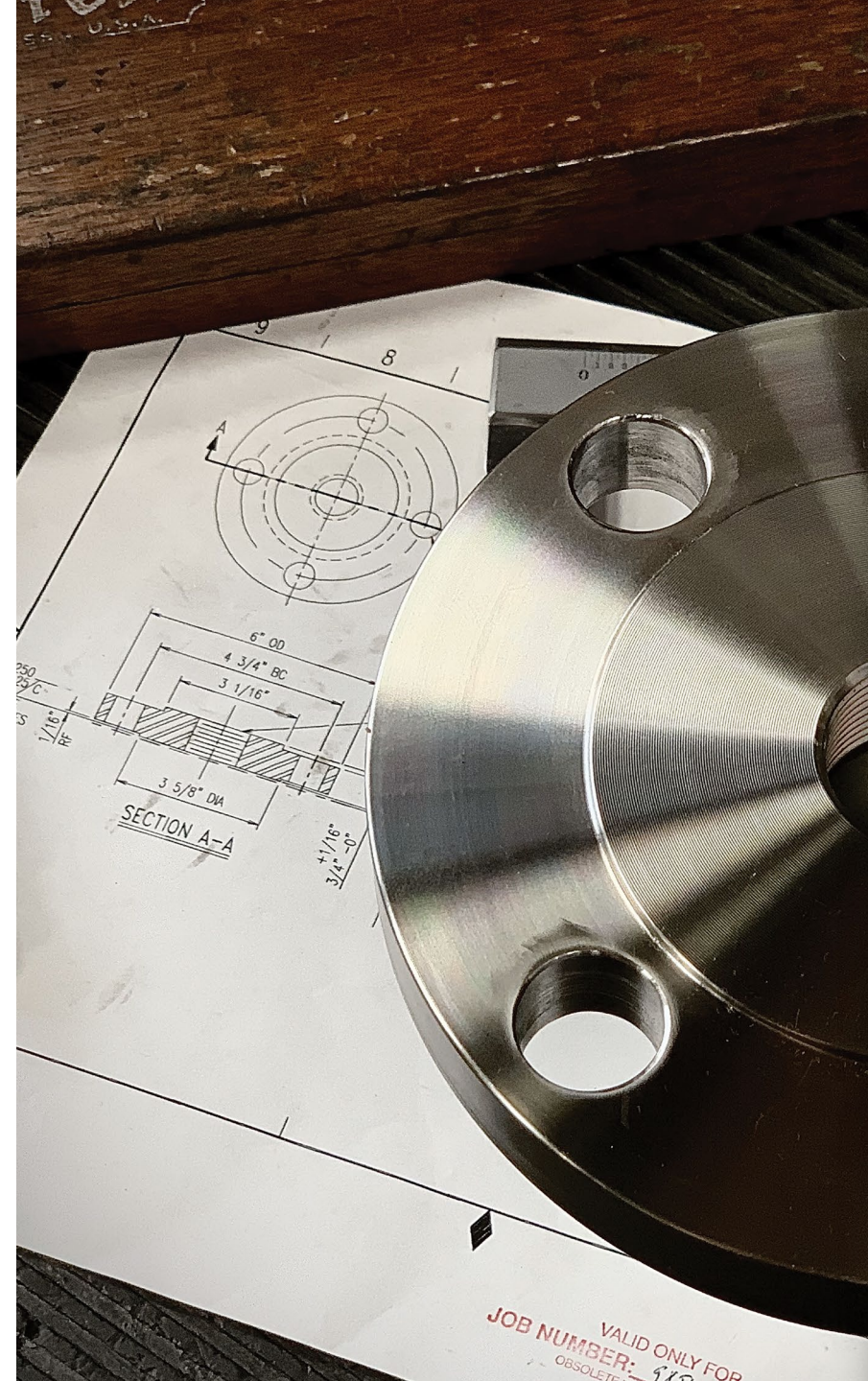
- Consulting
- Reverse engineering
- Fixture design
- Manufacturing processing
- Mechanical and manufacturing

CAPABILITIES

- Design for manufacturability
- Produce 3D models and CAD drawings
- Build prototypes based on customer drawings
- Reverse engineering includes:
 - Deliver model drawings
 - Accurately measure existing part
 - Generate CAD prints of part for manufacturing

ADDITIONAL SERVICES

Build | Machining | Fabrication | Computer Aided Manufacturing (CAM)

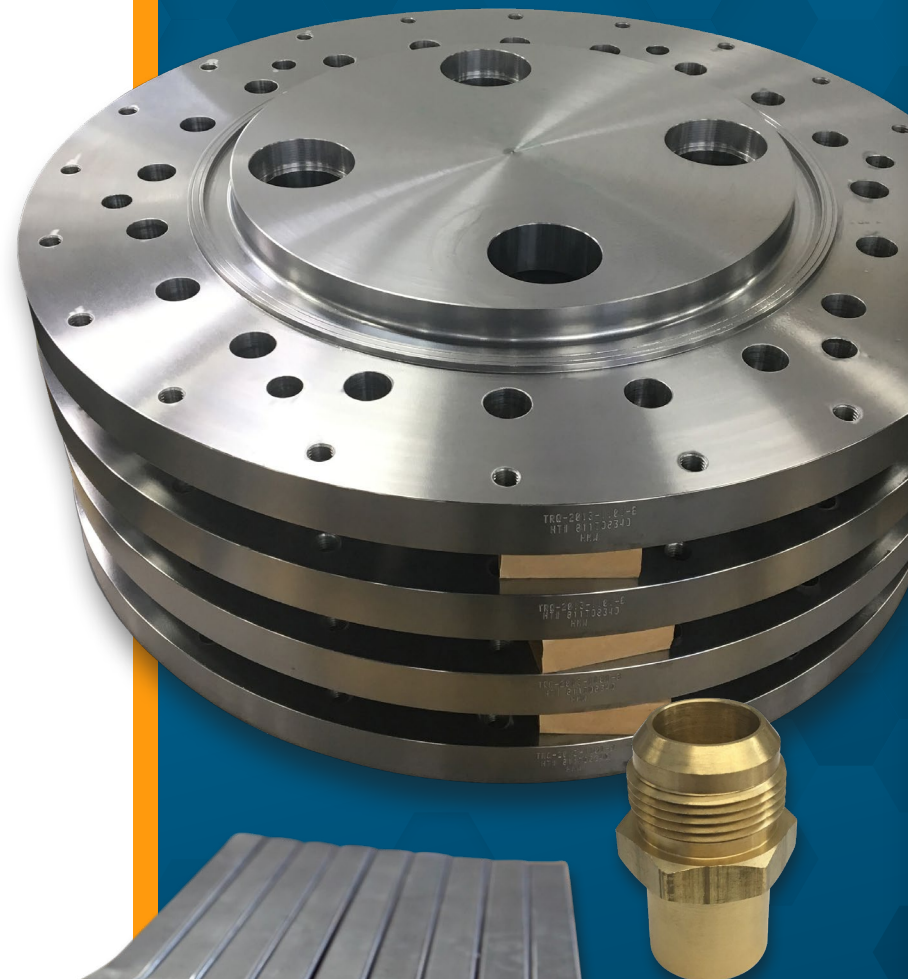
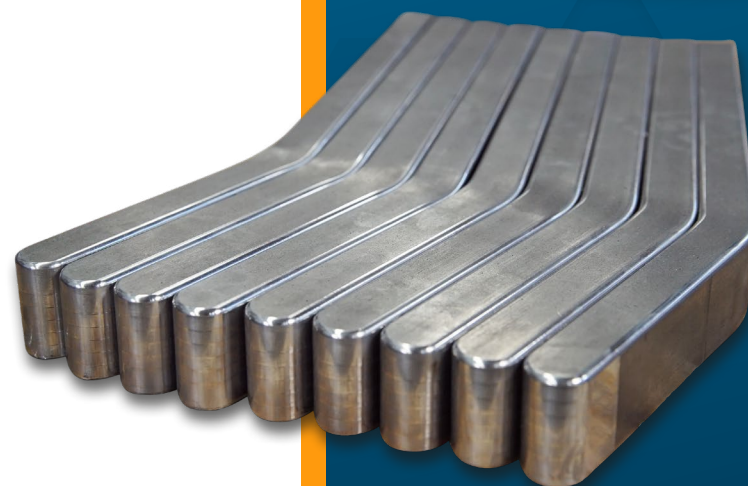


Experts With Tough Materials

We've got you covered.

No matter what material your project requires, we're up to the task. We are experienced in working with a wide variety of materials, including more challenging tasks such as aluminum welding—one of our specialties.

- Aluminum
- Alloy Steels
- Brass
- Bronze Alloys
- Carbon Steel
- Copper
- Hastelloy
- Inconel
- Monel
- Stainless Steel
- Titanium
- TC-128



Metals

