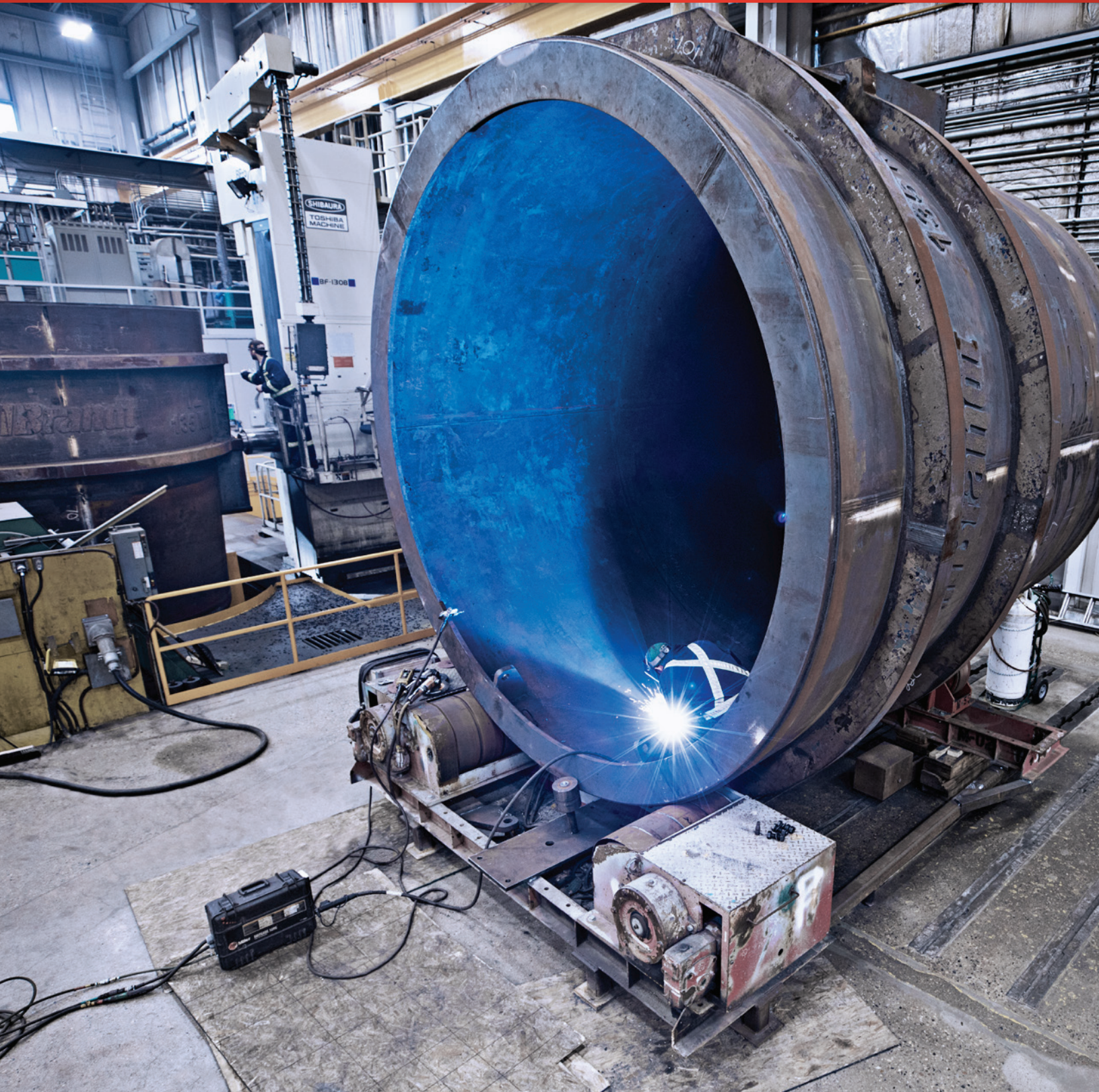


Custom Solutions for the Steel Industry

Brandt

STEEL / ENERGY / INDUSTRIAL / OEM SERVICES / RAIL





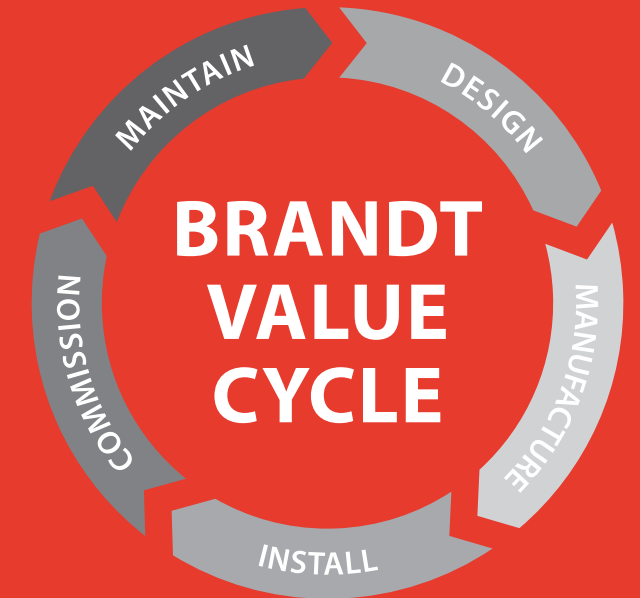
We build confidence

Success doesn't come easily; it is the outcome of careful planning and hard work. And, you have to have the right equipment for the job and know that it will work for you when you need it.

Brandt's complete life-cycle approach is the foundation for delivering consistent results for our customers. Whether it is as simple as a quick-turnaround repair for a key piece of equipment, or as complex as a custom Brandt-designed and built machine, we can help you gain a competitive edge or solve critical production problems.

Successful businesses around the world trust Brandt's team of engineers, project managers, technicians, machinists, millwrights, industrial mechanics, and welders because they know that we'll be there for them when it matters most.

It's what we do. **We build confidence.**



End-to-End Solutions for the Steel Industry

You can be confident in Brandt's comprehensive scrap, melting, rolling and processing solutions because we are a true one-stop shop – start to finish. Our multidisciplinary team does it ALL to the very highest standards,

right here in our own facility – from scoping and design through to manufacturing, installation and final testing. As a result, we can maintain strict quality control and ensure that nothing leaves our facility until it's 100% standards-compliant. Our team has decades of experience designing reliable equipment and

configuring it for customer facilities to maximize space usage, comply with process requirements and meet targeted production rates, so you can confidently manufacture your product using reliable, productive Brandt equipment.

Certificates:



Scrap Processor & Steel Mill Solutions

Tube & Pipe Solutions



Lathe Repair Work



Structural Tube Bundle Station

Scrap and Steel Industries

Effective Approach for Repairs and Upgrades

Brandt's extensive track record of direct, hands-on experience has resulted in unique service and support programs for scrap processors and steel mills. Whether it is responding to an emergency repair request, supporting ongoing operations and maintenance during scheduled outages, working collaboratively with customers to improve their equipment performance or providing new equipment solutions - Brandt has you covered.



Custom Scrap Bin



Orange Peel Grapple

Tube and Pipe Production

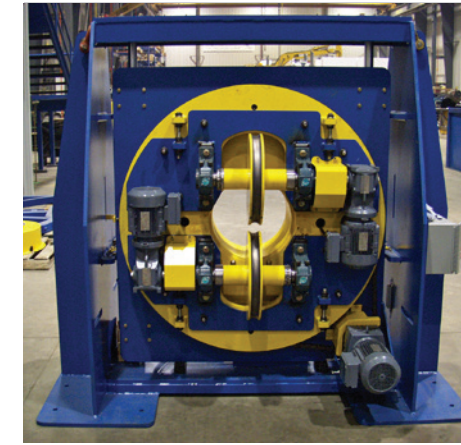
Customized Design for Exacting Demands

Brandt has a decades-long track record in the tube and pipe industry, working directly with pipe mill engineers and operators around the world to understand the processes and provide the highly-efficient custom equipment and turn-key solutions that drive their success.

Our proven capabilities allow us to offer reliable solutions for a wide variety of tube and pipe handling, testing and processing equipment. And, we have the in-house expertise to custom-design solutions to our customers exacting specifications.



Double-Head Tension Hydrotester



ERW Pipe Seam Orientation Stand



Pipe Handling

Design, Manufacturing & Installation

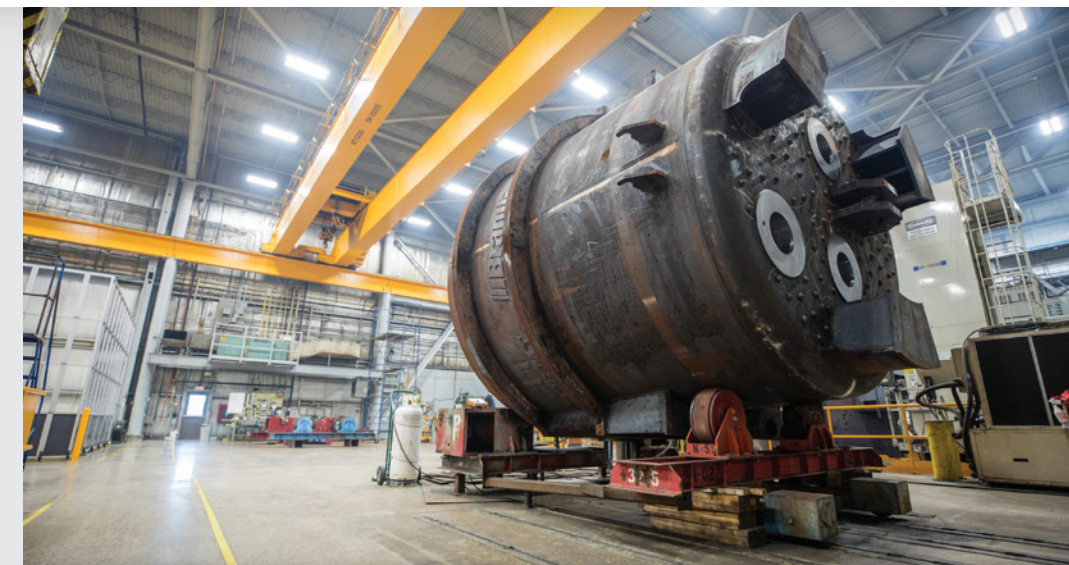


Plate Rolling

Case Study

WE LEAD COMPLEX PROJECTS

Custom Ladles
North America



Mill Street Facility - Engineering

Design Unique Solutions for Unique Challenges

Brandt's multi-disciplinary Regina-based engineering team has 100+ members and utilizes state-of-the-art tools and technologies to provide exceptional solutions for our customers. We work collaboratively to assess the opportunities and unique challenges, sharing knowledge across different departments and drawing on expertise from a variety of industries. The result is better technological solutions, proven through exhaustive testing, that will meet or exceed your requirements and ensure superior performance in the field.

Manufacturing End-to-End Solutions

Brandt operates major one-stop manufacturing facilities in both Canada and the US, with a full suite of world-class capabilities for fabrication, machining, assembly and automation.

We deliver value to our customers with premium manufactured products that meet their needs, time after time. From heavy and light equipment, to large-scale projects like EAF ladles and ladle cars, pipe mill equipment, custom hydraulic cylinders, conveyor systems and much more.

Installation Experience Matters

Brandt has extensive experience in industrial equipment installation in locations around the world. This long track record has given us the hands-on experience and in-depth product knowledge to quickly, safely and efficiently execute all project installations, wherever our customer's need takes us.



EAF Ladle

Project Objectives

- ① **INCREASE EFFICIENCY**
Provide a critical component required to increase productivity by 25%.
- ② **MINIMIZE DOWNTIME**
Complete and supply the solution quickly and effectively.
- ③ **MAINTAIN COMMUNICATION**
Facilitate ongoing plant visits and collaborate with the customer.



Brandt has a long history in custom engineering and manufacturing. Successfully solving problems for customers by finding and delivering innovative solutions is an important part of this history.

The Challenge

A steel producer undertook a major mill expansion and equipment upgrades to increase their production and product capability. One key objective — increasing their slab thickness — was limited by the capacity of their ladles, so four upgraded units were needed.

Brandt was the only supplier capable of fabricating custom-designed units of sufficient size and quality within the tight time constraints and was awarded the contract.

The Solution

Brandt started the project in December, 2017 and finished it in April, 2018. The project management team ensured the ladles were perfectly suited to this steel producer's updated process requirements through constant, transparent communication. They are ~15' in diameter and ~15' high, with an operational ladle capacity of 135 tonnes of liquid steel, allowing the customer to increase their slab size.

Brandt utilized many highly specialized processes to complete this project, including plate rolling and forming, automated plate beveling, hot riveting, sub arc welding, machining and stress-relieving.

The Result

Brandt successfully manufactured and delivered the four ladles within the project's aggressive timeline. Now, the customer is able to make full use of their upgraded process and partners with Brandt for additional turnkey projects as well as repair, reverse-engineering and mobile onsite services.

Commissioning On-site Efficiency

Brandt's PMP-certified project management team is integrated into the engineering and design process to ensure the most efficient and cost-effective approach to the commissioning and hand-over phases for every Brandt project. They have direct access to the engineering and manufacturing teams throughout the process which allows for quick resolution to any issues and ensures the scope, schedule and budget targets are met.

Customer Support 24/7 Assistance

The Brandt Customer Support Center is staffed with a team of professionally trained personnel, available 24/7, to provide prompt service and support to our customers. They have full access to our comprehensive parts inventory and can ensure quick delivery of critical parts to minimize equipment downtime.

Repair & Refurbishment Maximum Value, Minimum Time

Downtime is a profit-killer, so getting our customers back up and running sooner and for longer is a top priority for the team at Brandt. Our full-service repair and refurbishment team works closely with our engineers and designers to ensure that every repaired component is as good or better than new. With our ideal location next to scrap yard, steel mill, rolling mill, ERW and spiral pipe mills and pipe coating facilities, we've got a wealth of first-hand process knowledge.

Brandt Manufacturing & Repair Facilities



Regina, CAN (200,000 sq/ft on 38 acres)



Saskatoon, CAN (210,000 sq/ft on 22 acres)



Bloomington, USA (196,000 sq/ft on 45 acres)

For more information:

Call us at **1-877-512-9393**

Email us at **steelsolutions@brandt.ca**

Or visit us at **www.brandt.ca**

Brandt Engineered Products

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The Brandt Group of Companies — headquartered in Regina, Saskatchewan, Canada — is comprised of Brandt Agricultural Products, Brandt Engineered Products, Brandt Equipment Solutions, Brandt Road Rail, Brandt Positioning Technology, Brandt Truck Rigging & Trailers, Brandt Finance, Brandt Developments Ltd., Brandt Road Technology, Brandt Mineral Technology, and Brandt Tractor Ltd. — the world's largest privately-owned John Deere Construction & Forestry equipment dealer. Brandt has over 100 locations in Canada and the U.S., over 3600 employees, and a growing international audience; serving the construction, forestry, agriculture, rail, mining, steel, and energy industries with unique custom products. Brandt is one of Canada's largest privately-owned companies and is among an elite group of Platinum Club members of Canada's Best Managed Companies.

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Powerful Value. **Delivered.**

Brandt