



FOUNDRY & MACHINING SERVICES

Iron & Steel Casting | Fabrication | Machining | Assembly

ISO 9001:2008 CERTIFIED

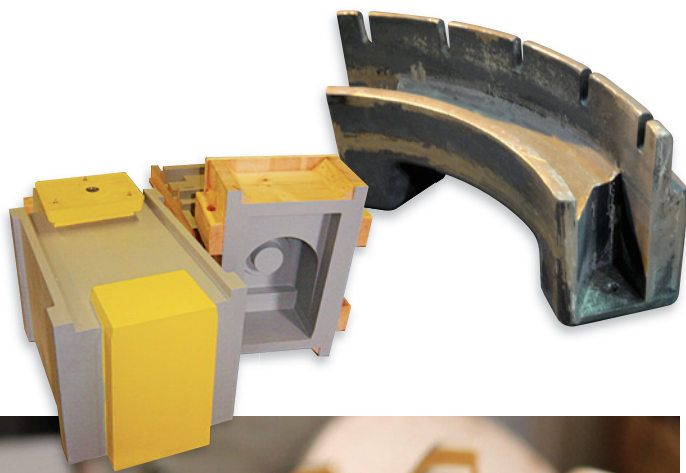


mclanahan.com

McLanahan Corporation is your single source supplier for castings, fabrications, machining, and assembly. Our complete in-house capabilities provide the kind of expertise and craftsmanship that are acquired through providing continuous service since 1835. From raw materials through quick turnaround on delivery, McLanahan's manufacturing facilities produce rough iron and steel castings, machined castings, steel repair parts, and steel fabrications. Our primary focus is quality, and customers know that McLanahan always strives to meet the highest quality standards possible.

This brief tour of McLanahan's operational facilities explains how castings, fabrication, machining and assembly shops are designed to serve customers and meet their needs.

The McLanahan pattern shop is staffed by dedicated craftsmen with decades of experience. The pattern shop utilizes state-of-the-art machine tools, superior hand-tools and years of knowledge to build and repair patterns, from the simplest to the most complex.



PATTERN SHOP

The foundry uses a continuous, flow molding line which begins with the molding process of making required cores (a formed body of sand, which creates the interior of a casting). Our molding floor uses No Bake Sand, Green Sand, Chromite Sand, and Pep Set resin binder technology.



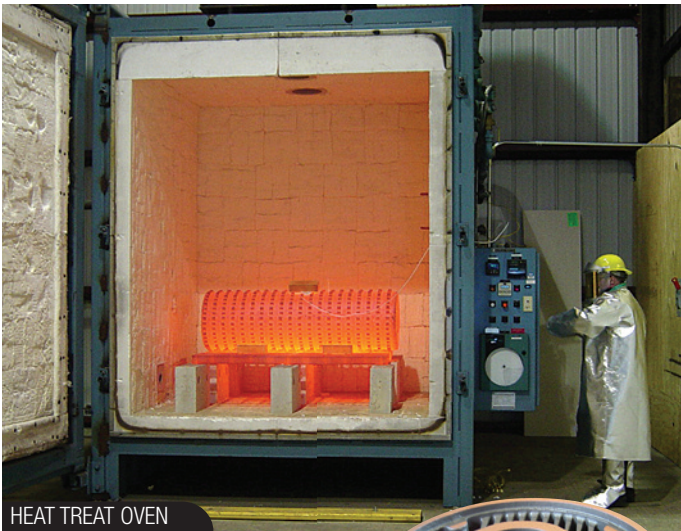
FOUNDRY

McLanahan has two 600 KW, 3,000 lb. induction furnaces with a total weight capacity of 6,000 lbs. These furnaces produce cast steel and alloyed cast steel along with class 30/40 gray iron. Abrasion-resistant castings are produced in chilled iron or white iron with chrome, nickel and moly additives.

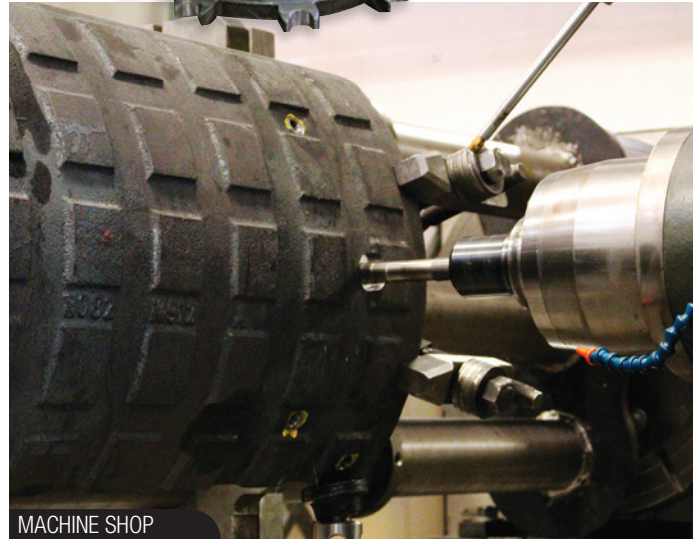
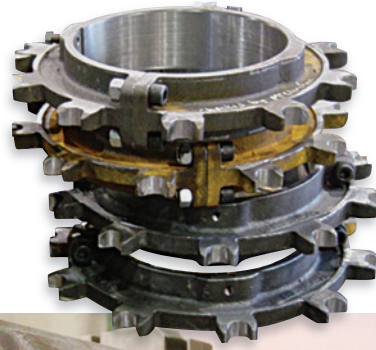
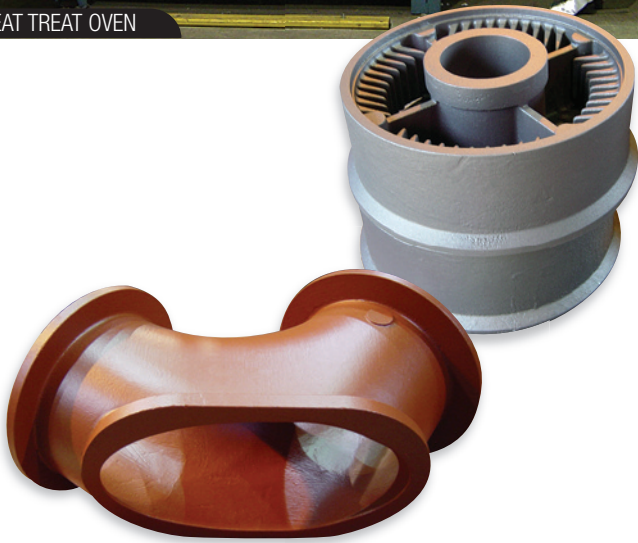
Once the casting is shot-blasted and prepared, the modern cleaning department removes all risers and the gating system from the rough casting and completes the final touch ups as needed. McLanahan's capacity for a finished casting ranges in size from a few ounces to a maximum size of 5,400 lbs. for cast iron and 5,200 lbs. for steel castings.



CLEANING SHOP



HEAT TREAT OVEN



MACHINE SHOP

When required, a casting will proceed to the machine shop, which is designed to accommodate a wide variety of customer requirements.

Quality Control monitors the entire manufacturing process using the FaroArm, a portable coordinate measuring machine (CMM), that performs 3-D inspections. This ensures that we meet both customer required specifications and industry wide standards.



MACHINE SHOP

In-house heat-treat facilities include a 5 million BTU gas fire box furnace. It is suitable for annealing, normalizing and tempering any of our alloy steel. The furnace is computer-controlled and maintained and calibrated by trained technicians to ensure all procedures are consistent.



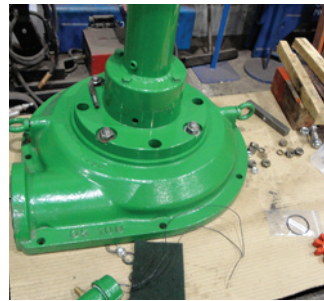
QUALITY CONTROL



ASSEMBLY SHOP

The fabrication and assembly departments incorporate the use of computerized multi-head burning tables and a 600-ton press brake. Wire-fed welding units and welding positioners are also available in McLanahan's versatile, modern fabricating facility.

Trained technicians assemble the most intricate parts into subassemblies or complete machines, ensuring exact fit and tolerance for the industry's most demanding requirements.



PAINT & BLAST SHOP

The blast and paint facility is the final step in McLanahan's single source supplier functions. All materials pass through this facility before they are shipped to customers. This area is responsible for the painted finish on all equipment and parts. Many steel components are also blasted between the burning and welding process to remove heavy deposits of mill scale from the steel plate. The blast and paint facility is equipped with a High Wheelabrator Air Blast Booth and a High Global Finishing Booth. Additional features in this state-of-the-art building include a media reclaim with dust collection, elevated curing ability with 160°F (71°C) heating system, and an explosion-proof finish dispensing room.



WELDING SHOP

**If You Would Like More Information About McLanahan Castings, Fabrication, Machining Or Assembly,
We Invite You To Contact Our Foundry & Machining Services, *Your Single Source Supplier* –**

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