



**SO MUCH MORE
THAN JUST A
FOUNDRY**

Foundry
Machine Shop
Pattern Shop
Heat Treat
Assembly



FOUNDRY



MACHINE SHOP



ASSEMBLY

www.farrarusa.com

Since
1933

Let Farrar Cast It!

Our roots as a machine shop that grew into a green sand foundry means our attention to detail and finishing work is second to none. We know what the end result is supposed to look like and carry that lean thinking throughout your entire casting project.

Foundry - Ductile Iron & Austempered Ductile Iron

Farrar Corporation has exclusively poured all grades of ASTM A536 Ductile Iron since 1967. We specialize in castings that range in size from 2lbs to 75lbs and in production runs of 100 to 100,000 pieces.

Farrar is nationally recognized as a producer of top quality Austempered Ductile Iron (ADI) as well as standard grades of ductile iron. All castings are date coded for traceability and we are able to supply certification of microstructure, chemistry, and physical properties of our castings.

Ductile iron is often an economical alternative for the replacement of steel fabrications or cast iron with increased strength, improved performance, reduced cost, and better looking parts. The wide range of physical properties available as-cast and heat treated make it the ideal material for a wide variety of applications.

“The best coaches know what the end result looks like ... if you don't know what the end result looks like, you can't get there.”

– Vince Lombardi

Capabilities

- Casting Production up to 75lbs (20"x24" flask size)
- Pattern Design & Fabrication
- Casting Design Assistance
- CNC Grinding



Machine Shop

Farrar has two machining facilities to better serve you. Providing extensive in-house machining capabilities means less cost and better quality control for your castings. Your casting never leaves our facility which translates into maximized efficiencies and reduced costs by not having to send and manage parts with third-party vendors. The highest level of quality control is achieved by having design, engineering, production and finishing under one roof.

Our CNC operation is state-of-the art. We can perform operations involving turning, milling, boring, facing, drilling, and tapping. To ensure optimal quality, automatic programmable 6-axis coordinate measuring machines (CMM) are used for first article and in-process inspection.

Capabilities

- Milling up to 40"x40"x36"
- Turning up to 27" diameter
- Gear Cutting up to 10" diameter
- Fixture Design & Fabrication
- Assembly & Painting



Pattern Shop

Our pattern shop combines years of experience with the latest computer technology to produce high quality and complex patterns and core boxes. A computerized solid model of your casting is created in SolidWorks® and is used to produce master patterns, machine programs, and solidification analysis to identify and eliminate problems before the part goes to the foundry. Each pattern is inspected, repaired, and stored in a location that is catalogued in the computer system for easy retrieval.

Heat Treatment

Heat treating of ductile iron is a Farrar specialty. Our level of automation and mechanization results in both better precision and reduced costs for you. We offer heat treatment services including annealing and austempering.



Annealing

Annealing of ductile iron is used to reach a softer material condition which improves the machinability of the cast material. Our annealing system consists of three heat treat furnaces, one chiller, and a shot blast tank that are all controlled and operated by a fully automated system.

Austempered Ductile Iron (ADI)

Austempered Ductile Iron (ADI) offers the best combination of low cost, design flexibility, good machinability, high strength-to-weight ratio, good wear resistance, toughness, and excellent fatigue strength. ADI offers this superior combination of properties because it has all the advantages of a ductile iron casting plus mechanical properties that are superior to all cast irons and most steel products as a result of a specialized heat treat process.



Assembly

Farrar's internal capabilities of a foundry, machine shop, and heat treat facility give it the unique ability to minimize costs and lead-times for the fabrication of complex mechanical assemblies.

The combination of our experienced mechanical engineers, in-house tooling fabrication, and specialized craftsmen enable Farrar to remain flexible to handle changes throughout the product realization and assembly process.

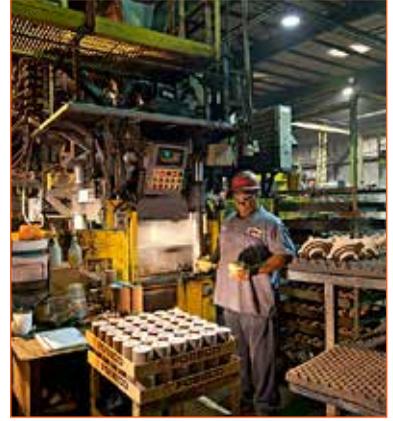
Our internal expertise coupled with a mature supply chain allows us to satisfy nearly any project requirement in the industry today using the most efficient tools to reduce waste, increase results and achieve the highest level of quality control.



Farrar Corporation

Farrar was established in 1933 and specializes in the development and production of Ductile Iron Castings, CNC Machining (Milling, Turning, & Gear Cutting), Mechanical Assembly, Heat Treatment (Annealing & Austempering), Casting Conversion Design, as well as Pattern Design & Fabrication for industrial and manufacturing customers around the world.

Farrar's vertical integration allows our customers to take advantage of the communication, cost and quality benefits of a single point of contact within a high quality environment that is ISO 9001 certified. We are centrally located in Kansas which allows us to quickly and cost effectively serve our nationwide customers with one day shipping to either coast.



Locations



Corporate Offices & Machine Shop

301 Levee Drive
Manhattan, KS 66502
Phone: 785.537.7733
Fax: 785.537.4477



Foundry & Pattern Shop

142 W. Burns Ave
Norwich, KS 67118
Phone: 620.478.2212
Fax: 620.478.2200



www.farrarusa.com



800.536.2215