

Foundry Services

Making castings since 1858



How we do it...

We engineer, machine, assemble, paint and hydro test in our 180,000-square foot plant. All manufacturing systems are closely monitored and documented. Each casting is process logged from raw material to finished product.

Molding and Coremaking

We use 100 percent no-bake sand in our molds and cores. The advantages are:

- Near zero casting defects
- Environmentally clean
- Close as-cast tolerances
- Low sand: metal ratios
- Minimal machining stock

Melting

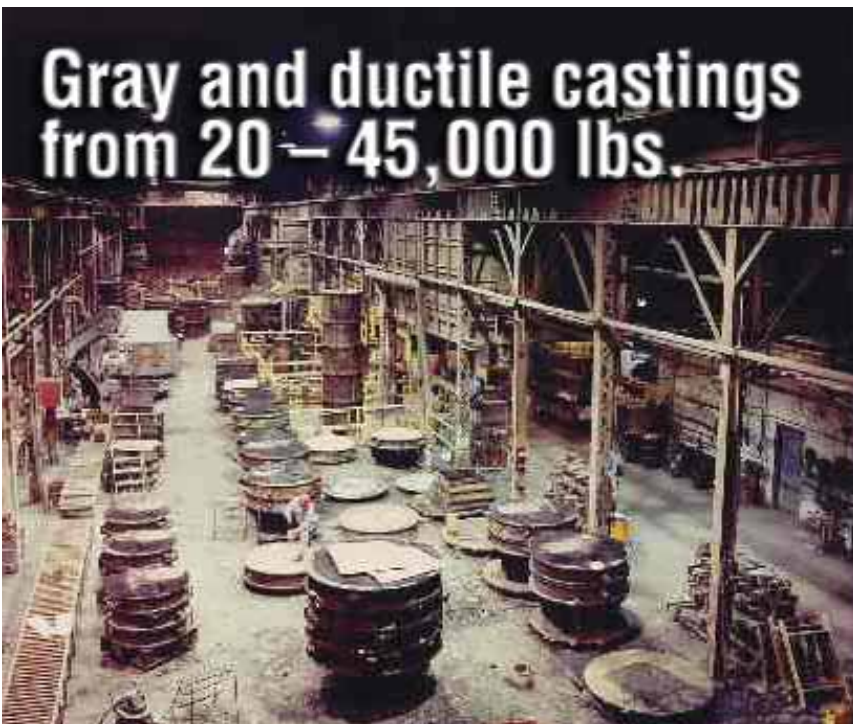
Our Melting Department uses all electric induction equipment. Metallurgically, we offer good flexibility in iron grades, exacting chemistries, uniform physical properties and environmentally clean melting.

Quality Assurance

- Complete Metal and Sand Testing Labs.
- ASME/National Board Certified manufacturer and repair facility for cast iron pressure vessels.

Pattern Making

We have a complete Pattern Shop that builds new patterns, and modifies and repairs existing patterns using wood, metal, urethane or styrofoam.

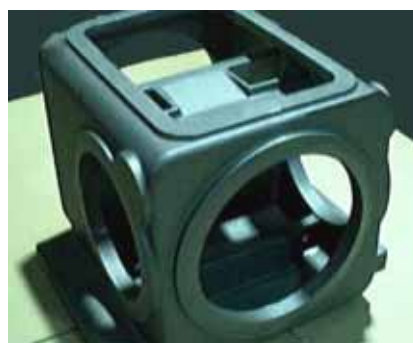


Heat Treating

- 24' x 15' x 12' Furnace
- Programmable Digital Read-outs
- Graphing and Charting Equipment

Skilled Workforce

Most patternmakers, molders and machinists have completed four or five years apprenticeship programs. This means your work is being performed by foundrymen and machinists who do it for a career, not just a job. Average work experience within our production areas is seventeen years.



The tools that we use...

Machine Shop

In addition to our 34,000 square foot Foundry facilities, we can offer a full range of machine shop services.

Computer Numerical Control Machine Tools

- Daihatsu turning center graphic control – 11.75" dia. x 27" between centers
- Dainichi turning center graphic control – 32" dia. x 160" between centers
- Numora horizontal boring mill graphic control – 55" x 63" table, 57" x 74" travel, 57" height
- Giddings & Lewis horizontal boring mill 800M control – 57" x 120" table, 57" x 74" travel, 57" height
- Monarch vertical boring mill GE 2000T control – 57" dia. table, 62" dia. turning, 59" height
- Monarch vertical milling center – 36" x 74" table, 36" x 74" travel, 35" height
- Webster Bennett VBM Fanuc 21T control – 78" table dia., 80" turning, 55" height



Manual Machine Tools

- Bullard vertical boring mill – 36" table, 38" dia. turning, 27" height
- Skoda lathe – 73" dia. x 450" between centers
- VDF lathe – 49" dia. x 350" between centers
- Dainichi lathe – 24" x 240" between centers
- Dainichi lathe – 16" x 177" between centers
- Carleton radial drill – 84" arm, 48x80" work area, 28x32" tilt table, 90" height
- Mitts Merrill key slotter – 15" stroke, 2.5" mx key width, 1.5" minimum boring size
- Schenck Trebel hard bearing static and dynamic balancer – 75" dia. x 350" lg capacity
- IRD soft bearing dynamic/flexible rotor balancer – 48" dia. x 350" lg. capacity

