

GRAY AND DUCTILE IRON CASTINGS



CAST-FAB
TECHNOLOGIES

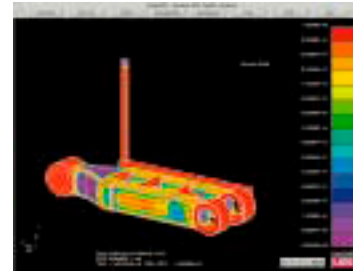
Where Innovative Ideas Take Shape™

UNMATCHED SERVICE, QUALITY & DELIVERY GRAY AND DUCTILE IRON CASTINGS

CAST-FAB TECHNOLOGIES OFFERS YOU THE FASTEST PROTOTYPING, EASIEST-TO-MACHINE MATERIAL AND JUST-IN-TIME DELIVERY

Finished castings have been produced from CAD drawings in as little as 4 days. Carefully selected raw materials produce a superior metallurgy, saving up to 20% in roughing and finish machining time. A just-in-time strategy has been implemented to reduce costs, lead times, work-in-process and inventory. For your next project, tap into our ISO-9002 experience in the Plastics, Machine Tool, Paper, Printing, Elevator, Construction, Turbine, Air Compressor, Pump, Valve and Refrigeration industries.

CAST-FAB'S UNIQUE ENGINEERING AND PATTERN SERVICES



CADD5™, from Computervision™, is used for three-dimensional models of the part before patterns are produced.

ProCAST™ three-dimensional finite element analysis software predicts porosity, estimates of nodule counts, the flow of metal in

molds, thermal data and more.

CIS CAD/CAM 5-axis NC Router driven by CVNC-M5 machining software with full 5-axis contouring.

PATTERN SHOP - 15 skilled craftsmen provide a full range of services, including the ability to repair, alter or rig patterns.



START-UP AND TESTING

At Cast-Fab, all first time projects go through a start-up and testing process including dimensional testing and verification, as well as chemical and physical analysis, depending upon customer requirements. We can preform destructive or nondestructive testing for soundness.

A computer database is used to track each serial number or heat date associated with a particular casting.

Computer-supported SPC include: metal chemistry, metal pour temperature, tensile test, Brinell hardness test, sand properties and mold and core coatings. All testing and measuring equipment is traceable to the National Institute of Standards & Technology.

CASTING CAPABILITIES

- Casting Facility: 274,000 Square Feet
- Capacity: 3,500 Tons/Month
- Weight: 5 to 80,000 Pounds
- Meehanite Licensed
- Gray Iron: Class 30 to Class 50
- Ductile Iron: 60-40-18 to 120-90-02

CASTING METHODS

- No Bake
- Large Flask
- Pit Molding
- Semi-Automatic Line for Flaskless Molds
- Green Sand Cope & Drag Molding Line
- Green Sand & Squeezer Integrated Molding System

FINISHING CAPABILITIES

- Semi-finish and finish machining of castings include: milling, drilling, boring, turning and grinding
- CMM Dimensional Inspection
- Primed finish painting is available



64,000 lb. Press Frame
with section thickness up to 19"

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WORLD CLASS PEOPLE. WORLD CLASS PROCESSES. WORLD CLASS PRECISION.

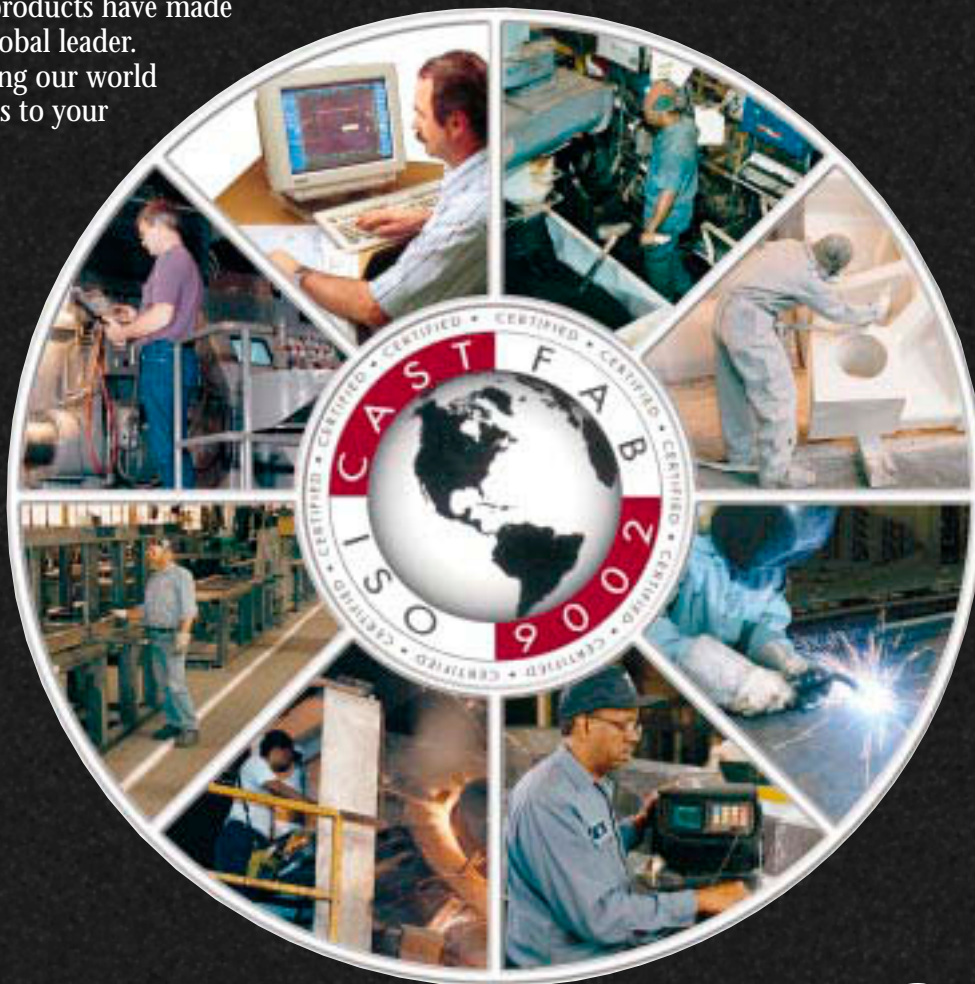
**FROM CONSULTING TO ENGINEERING... FOUNDRY TO FABRICATION...
MACHINING TO FINISHING.**

Cast-Fab combines cutting-edge technologies with an unparalleled commitment to continuous improvement to achieve the highest quality products — and the industry's best value — in the shortest time frame possible.

Put simply, our process is our product. More than 90 years of experience have taught us that our job — from inquiry to delivery — is to exceed your expectations for quality, integrity, performance and value.

World class products have made Cast-Fab a global leader. And we'll bring our world class processes to your next project.

- Consulting & engineering
- Ductile & gray iron castings
- Heavy steel plate fabrications
- Semi-finish & finish machining
- Precision sheet metal components
- Painting, assembly & kit packaging



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