



GRAY IRON CASTINGS



FOUNDRY EQUIPMENT & FACILITIES

AREA

103,000 sq. ft.

CAPACITY

120 Tons/Day
Ounces to 350 lbs.
High Production & Short Runs

TYPE IRON

Gray - Class 30, Class 35 by request

MELTING

3-15 Ton Coreless Induction Furnaces
Inside Storage for Scrap Metal

MOLDING

1-FBO 3 Roberts Sinto
20" X 26" X 8" over 8"
1-Herman Mold Master
34" X 44" X 12" over 12"
1-International Jolt Squeeze Line
34" X 56" X 10" over 8"

CORE MANUFACTURING

Shell Core - Dependable 200
Shell Core - Shalco U150, U180
Redford SF22
Isocure

CLEANING

1-Pangborn Spinner Hanger Cabinet Blast
1-Pangborn Table Blast
1-Pangborn Roto-Blast
7-30" Setco Snag Grinders

SAND SYSTEM

1-B&P 100 B Batch Muller
1-Simpson 22G Continuous Sand Muller
2-Hartley Moisture Controller

LABORATORY FACILITIES

Sand testing Equipment- Dietert
Compactibility
Green Strength
Moisture
C.E. Mini-Lab
1-Mini-Lab for Carbon & Silicone Test
1-Brinell Hardness Tester
1-Spectrometer
M.B. Sand Testing

PATTERN SHOP

Gating
Rigging
Repairs

PAINTING

Spray
Dip

ASSEMBLY CAPABILITY

Drilling
Tapping



Founded in 1946, Vestal Manufacturing is located in Sweetwater, Tennessee just off Interstate 75. Manufacturing facilities consist of a 103,000 square foot foundry pouring Class 30-35 gray iron and 105,000 square foot steel fabrication plant.

For over 65 years, Vestal Manufacturing has provided quality USA-Made gray iron castings to our customers. American craftsmanship and technology, backed by a focus on quality, are integral parts of any Vestal casting. Our goal is to produce superior products on a timely schedule, at the most reasonable cost.

Automatic molding is accomplished through three machines: FBO-3 Roberts Sinto -20"x26", Herman Mold Master - 34"x44", and the International Jolt Squeeze line - 34"x56".

Our foundry offers a wide variety of capabilities. For more information and to discuss your company's casting needs, contact the Vestal sales office anytime at 1-800-456-9562.





Molten iron is poured into molds produced from the FBO-3 Roberts Sinto.



Molds are indexed to shakeout with the Roberts Sinto mold handling system.



Both cored and no-cored castings are available on the Herman Mold Master. Flask size of 34" x 44" allows a wide variety of castings configurations and combinations.



The Herman Mold Master offers dimensional accuracy combined with a quality finish. Multiple impression molds or castings weighing 350 lbs. can be produced on the Mold Master.



Smaller castings are tumble blasted and cleaned with a Pangborn Roto-Blast.



Larger castings are hung on trees and sent through cabinet blaster for cleaning.



Workers grind off rough edges and give casting a finish of paint, if requested.



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