



MANUFACTURING AND PROCESS EQUIPMENT LIST

PATTERN SHOP

Fully equipped with the latest woodworking, plastic, and metal capabilities, our in-house pattern facility is staffed by journeyman craftsmen.

CORE MANUFACTURING

Cold Set, Shell, and No-Bake cores are made on the following equipment:

- 2 - Laempe Automatic Core Shooter Model LL10
- 1 - Laempe Automatic Core Shooter Model LB25
- 1 - Cooper Chapman Twin Station Shell Core Blowers Model CVAG 1015
- 1 - Cooper Chapman Shell Core Blower Model Ultimatic CAG 2226
- 1 - Sandmaster No Bake Mixer Model 100
- 1 - Harrison Dual Station Twin Core Machine Model 1818-DS
- Eaton Kenway Automatic Storage and Retrieval System (ASRS)

SAND PREPARATION AND HANDLING

- Simpson Multi Cooler Model MC-150 (150 tph)
- Simpson Multi Mull Model 22-G (100 tph)
- Hartley Robotic Compactability Controller
- Ward and Carrier Return Sand System
- Fully automated PLC controls with TouchScreen operator interface

GREEN SAND MOULD & MOULD HANDLING

- Hunter 20" X 24" XL Series c/w Vulcan Truflo 120 position Mould Handling System
- Hunter 20" X 24" c/w 110 position Hunter Linear Handling System
- Hunter 14" X 19" c/w Vulcan Truflo 118 position Mould Handling System
- Hunter 14" X 19" c/w 24 position Hunter Turntable and 3 Wide Cooling Belt
- SPOMATIC Fully Automated Moulding Line Flask Size 32" x 44" x 13"/13"

MELTING

- Ajax 22 Ton Channel Induction Furnace 1,000 kW
- 2 – 3200# Inductotherm Coreless Induction Furnaces 1,500 kW each (separate power supplies)



MANUFACTURING AND PROCESS EQUIPMENT LIST

CLEANING, GRINDING, & HEAT TREATING

- 6 – Wheelabrator Tumblast Shot Blast Machines
- Didion Model MD-100 Mark II Rotary Media Drum
- High Speed and Snag Grinding
- Heat Treat Furnace with PID Controls
- 4 – Vulcan FoxAll Model 424FS Robotic Grinding System
- 2 – Vulcan Foxall Model 636FS Robotic Grinding System
- 3 – Jet Wheel Blast Barrel Blast Machines
- Eaton Kenway Automatic Storage and Retrieval System (ASRS)

MACHINE SHOP & FABRICATION DEPARTMENT

A fully equipped in-house machine and welding shop staffed by journeyman electricians, millwrights, machinists, and welders provide maintenance support to the foundry.