



5142 Evanston Avenue
Muskegon, MI 49442

Phone 231.788.2351
Fax 231.788.6002

EAGLE ALLOY FACILITIES 290,000 Square Feet

Melting & Pouring Equipment

- Six 5,000 lb. Dual-Trak Inductotherm Coreless Induction Furnaces with two 1750+KW Power Supplies
- Three 5,000 lb. Dual-Trak Inductotherm Coreless Induction Furnaces with 1750KW Power Supply
- Two 5,000 lb. and one 1,000 lb. Inductotherm Coreless Induction Furnaces with 1500KW Power Supply
- Fourteen Royer Pouring Tunnels

CAD Software

- Three seats of Solid Edge 3D Solid Modeling package

Casting Simulation

- One seat of MAGMA Soft Casting Simulation software

Sand Testing Equipment

- Two Hot Tensile testing machines
- Two Dietert Detroit Sand Hardness Testers
- Two Melt Point Test
- Sieve Pan Screen Tests
- Loss on Ignition (LOI) Test
- Shell Transverse Test
- One Dietert Ultrasonic Clay Scrubber
- One AmScope Microscope
- One Magnetic Agitator

Core & Mold Equipment

- One Shalco 15 X 20 Shell Molding Machine
- Nine Shalco 20 X 30 Shell Molding Machines
 - Eight Setup For Tandem 30 x 40 Capability
- Eleven Shalco 16 X 24 Shell Molding Machines
- Fourteen Redford Shell Core Blowers
- Ten Shalco U180 Shell Core Blowers
- One CE Cast 300 lbs/min. High Speed Mixer for Airset Molding
- Kloster Rollover

Cleaning & Gate Removal

- Two ABB Robots Equipped to Torch and Grind
- Three Pangborn 4-in-1 Reclaimers; 34 Cubic Foot Blast & Reclaimer
- Two 34 Cubic Foot Pangborn Tumble Blast
- One 24 Cubic Foot Pangborn Tumble Blast
- Four Fox 30hp Snag Grinders with 30" Wheels
- Everett 20" Abrasive Cut Off Saw
- Thirty Two 1000 Amp Miller Air Arc
- Two Arc & Wire Feed Welders
- Assorted Hand Held Air Tools
- Seven Dake Presses (5-150Ton, 2-100Ton)
- One Plasma Arc Cutter
- Two AW Bell Belt Grinders #RGS460
- Didion D-150 w/Media Drum
- Seven TIG Weld Stations

Laser Scanner

- Creaform EXAscan



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Sand Coating Plant Equipment

(Capable of Coating 9.5 Tons of Sand/hour)

- One 200 Ton Sand Tower
- One 100 Ton Sand Tower
- Four 40 Ton Coated Sand Towers
- Sand Heater
- Continuous Mixer
- Batch Mixer
- Thermal Oxidizer

Quality Control & Testing Equipment

- Two Thermo Scientific ARL3460 spectrometers capable of running, but not limited to, carbon steel, stainless and nickel-base materials
- Two 5,000 AMP Magna-Flux Magnetic Particle Testers, Type H-710
- Dye Penetrant Capabilities
- One Pittsburgh Instrument & Machine Company Brinell Hardness Tester with 1-20X Bausch & Lomb Scopes
- One Detroit Testing Machine Company Hydraulic Brinell Hardness Tester Model PHL-3 with 1-20X HiLight Brinell Scope
- Brinell Optical Scanning System, OS-300WC
- Pantak HF320 X-Ray System

Heat Treating

- Three Annealing & Normalizing Furnace, capable of 2050° Maximum Temperature
- 2 Water Quench
- Quench & Temper Furnace with Polymer Quench System
- Six HTF Air Ratio Low Oxygen Heat Treat furnaces
- Thermal Care Water Cooling System

Air Power

- 300hp Gardner-Denver Compressor
- 200hp Gardner-Denver Compressor
- 150hp Ingersoll Rand Compressor
- Two 125hp ATLAS COPCO
- One 150hp ATLAS COPCO
- ManagAIR System

Sand Reclamation Equipment

(Capable of reclaiming 4.25 Tons of Sand/Hour)

- One 200 Ton Trane Chiller
- One Calcafire Thermal Reclaimer
- One Deduster
- One 200 Ton Sand Tower
- One Simpson Proclaim Clay Scrubber