



STEEL CASTINGS
ISO 9001 REGISTERED
P.E.D. COMPLIANT
A.B.S. CERTIFIED

5142 EVANSTON AVE
MUSKEGON, MI 49442
231-788-2351

EAGLE ALLOY FACILITIES

290,000 Square Feet

Melting & Pouring Equipment

- 6 - 5,300 lb. Dual-Trak Inductotherm Coreless Induction Furnaces with two 1750+KW Power Supplies
- 3 - 5,300 lb. Dual-Trak Inductotherm Coreless Induction Furnaces with 1750KW Power Supply
- 2 - 5,300 lb. and 1 - 1,000 lb. Inductotherm Coreless Induction Furnaces with 1500KW Power Supply
- 14 - Royer Pouring Tunnels

CAD Software

- 4 - seats of Solid Edge 3D Solid Modeling.
- 1 - seat of Cimatron Software
- 1 - seat of Fusion 360.

Casting Simulation

- 1 - seat of MAGMASoft Solidification Simulation software (8-core license).

3-D Laser Scanner

- Keyence WM-6000 3D scanner

Sand Testing Equipment

- 2 - Hot Tensile testing machines
- 2 - Dietert Detroit Sand Hardness Testers
- 2 - 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

Shell Core & Mold Equipment

- 1 - Shalco 15 X 20 Shell Molding Machine.
- 9 - Shalco 20 X 30 Shell Molding Machines capable of 30 x 44 molding.
- 11 - Shalco 16 X 24 Shell Molding Machines.
- 15 - Redford Shell Core Machines.
- 8 - Shalco U180 Shell Core Machines.

Airset Core & Mold Equipment

- 1 - Palmer Mixer High Speed Auger Mixer for Airset Molding (300 lbs/min).
- 1 - Kloster Rollover

Cleaning & Gate Removal

- 20 - LEAN Manufacturing Cells with synchronized Torch, Arc and Grind operations.
- 4 - ABB Robot Cells Equipped for grinding castings
- 1 - Pangborn 4-in-1 Reclaimer; 34 Cubic Foot Blast & Reclaimer
- 3 - 34 Cubic Foot Pangborn Tumble Blast
- 1 - Pangborn 34RD Drum Shot Blast
- 1 - Empire Stainless Steel Grit and Bead blasting booth.
- 7 - Fox 30hp Snag Grinders with 30" Wheels
- 32 - 1000 Amp Miller Air Arc
- 2 - Arc & Wire Feed Welders
- Assorted Hand Held Air Tools
- 8 - Dake Presses (2 - 150 Ton, 6 - 100 Ton)
- 2 - Hypertherm hand Plasma Arc Cutter
- 2 - AW Bell Belt Grinders #RGS460
- 1 - GK Media Rotary Drum
- 6 - TIG Weld Stations



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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

- 2 - Thermo Scientific ARL3460 spectrometers capable of running, but not limited to, carbon steel, stainless and nickel-base materials
- 2- 5,000 AMP Magna-Flux Magnetic Particle Testers, Type H-710
- Dye Penetrant Capabilities
- 2 - Detroit Testing Machine Company Hydraulic Brinell Hardness Testers Model PHL-3.
- 3 - 20X Bausch & Lomb BHN Scopes.
- 1 - Brinell Optical Scanning System, OS-300WC
- 1- Pantak HF320 X-Ray System

Material Handling Equipment

- 14 - Toyota Electric Fork Trucks.

Heat Treating

- 3 - Annealing & Normalizing Furnace, capable of 2050° Maximum Temperature
- 2 - Water Quench Tanks.
- 1 - Quench & Temper Furnace with Polymer Quench System (2-rack capability)
- 6 - HTF Air Ratio Low Oxygen Heat Treat furnaces
- 1 - Thermal Care Water Cooling System

Air Power

- 300hp Gardner-Denver Compressor
- 350hp ATLAS COPCO Variable Speed 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)

- 1 - 200 Ton Trane Chiller
- 1 - Calcafire Thermal Reclaimer
- 1 - Deduster
- 1 - 200 Ton Sand Tower
- 1- Simpson Proclaim Clay Scrubber