



EAGLE CNC Technologies

2134 Northwoods Drive * Muskegon, MI 49442 * 231-788-2271 * 231-788-3312(F)

Matsuura 100VG Vertical Machining Center

X-Axis Travel 40"
Y-Axis Travel 20"
Z-Axis Travel 20"
4th Axis Rotary Table
45 BT Taper Spindle

Fadel Vertical Machining Center

X-Axis Travel 40"
Y-Axis Travel 20"
Z-Axis Travel 20"
4th Axis Rotary Table
40 CAT Taper Spindle

Toyoda FA630 Horizontal Twin Pallet Machining Center

X-Axis Travel 39"
Y-Axis Travel 33.5"
Z-Axis Travel 29.5"
4th Axis Rotary Table
50 CAT Taper Spindle

Mazak Vertical Machining Center

X-Axis Travel 40"
Y-Axis Travel 20"
Z-Axis Travel 20"
4th Axis Rotary Table
50 CAT Taper Spindle

Matsuura 600HF Horizontal Twin Pallet Machining Center

X-Axis Travel 23"
Y-Axis Travel 22"
Z-Axis Travel 24"
4th Axis Indexing Table
40 BT Taper Spindle

(2) Mazak Quick Turn 15N Horizontal Turning Center with 8" Chuck

Mazak Quick Turn QT 20 Horizontal Turning Center with 10" Chuck

Mazak Quick Turn QT 20 Double Spindle Horizontal Turning Center with 8" Chucks (Dual Turn)

Cincinnati Center-less Grinder

(2) Bridgeport Vertical Mills with DRO

Clausing 15" Engine Lathe

Bridgeport Series II Vertical Mill

Production Drill Presses (3)

Dual Spindle Production Drill Press

Gallmeyer & Livingston #35 Surface Grinder

Manley 20 Ton Hydraulic Press

Brown and Sharp Mistral CMM PC-DIMS Software



5142 Evanston Avenue · Muskegon, MI 49442 · 231.788.2351 · 231.788.5515

EAGLE ALLOY FACILITIES
165,000 Square Feet
CAPACITY — 1250 NET TON/MONTH

Melting & Pouring Equipment

- Three 5,000 lb. Dual-Trak Inductotherm Coreless Induction Furnaces with 1750KW Power Supply
- Two 5,000 lb. Inductotherm Coreless Induction Furnaces with 1500KW Power Supply
- Three 5,000 lb. Brown Boveri Coreless Induction Furnaces with 1500KW Power Supply
- One 1,000 lb. Inductotherm Coreless Induction Furnace with 1500KW Power Supply
- Fourteen Modified Royer Pouring Tunnels

Quality Control & Testing Equipment

- Baird DV-6 Vacuum Spectrograph
- One 5,000 AMP Magna-Flux Magnetic Particle Tester, Type H-710
- Dye Penetrant Capabilities
- One Pittsburgh Instrument & Machine Company Brinell Hardness Tester with 1-20X Bausch & Lomb Scope
- Pantak HF320 X-Ray System
- Kraut Kramer Ultrasound Testing Unit
- One Tinius Olsen Tensile Machine

Air Power

- Two 150hp Compressors
- 75hp LeRoi Dresser Compressor
- 300hp Gardner-Denver
- 200 hp Gardner-Denver

Casting Simulation

- SDRC Solid Modeling Package Utilizing ProCast Software

Sand Testing Equipment

- One Dietert Detroit Airset Sand Tensile Tester
- Two Dietert Detroit Sand Hardness Testers

Core & Mold Equipment

- Six Shalco 15 X 20 Shell Molding Machines
- Five Shalco 20 X 30 Shell Molding Machines
- Four Shalco 16 X 24 Shell Molding Machines
- Ten Redford Shell Core Blowers
- Four Shalco U180 Shell Core Blowers
- One CE Cast 300 lbs/min. High Speed Mixer for Airset Molding
- Beardsley and Piper Rollover
- Two Core Curing Ovens

Cleaning & Gate Removal

- Two Pangborn 4-in-1 Reclaimers; 34 Cubic Foot Blast & Reclaimer
- One MD-100 Didion Media Drum
- One 34 Cubic Foot Pangborn Tumble Blast
- One 20 Cubic Foot Pangborn Tumble Blast
- One Viking Tumble Blast
- Everett 20" Abrasive Cut Off Saw
- One D-All 36" Friction Saws
- Two Dake 150 Ton Presses
- Four 3 X 168 Setco Belt Grinders with Rise & Falls
- One Plasma Arc Cutters
- One Automatic Plasma Cutter Cell
- Two Automatic Do-All Cutting/Grinding Cells
- Ten Single Piece Flow Cleaning Lean Cells

Heat Treating

- Three Annealing, Normalizing and Tempering Furnaces, capable of 2050° Maximum Temperature
- Water and Polymer Quench



EAGLE PRECISION CAST PARTS, INC.

Ferrous and
Non-Ferrous Castings

5112 EVANSTON AVENUE • MUSKEGON, MI 49442 • (231) 788-3318 • FAX (231) 788-5409

INVESTMENT CASTING FACILITIES

Facilities

- 25,000 Sq. Ft. Manufacturing Plant with 8,000 Sq. Ft. Climate Controlled
- 8,000 Sq. Ft. Warehouse Facility

Wax Injection Equipment

- Liquid Tempcraft Model #V122AP 12 Ton Automatic Horizontal Hydraulic Wax Injector with Omron Scy-Por Programmable Controller
- Two Ebert Model 29940, 12 Ton Capacity Manual Wax Injection Molding Machines
- 2 Ebert Model #12316 35 Ton Wax Injection Machines with Sysmac Programmable Controller
- 2 MPI 20 Ton Paste Wax Injection Machine

Quality Control & Testing Equipment

- One 5,000 Amp Magna-Flux Magnetic Particle Tester, type H-710
- Rockwell Hardness Tester
- Full Laboratory for Ceramic Testing
- X-Ray Viewer
- Assorted Layout Gauges
- X-Ray Machine
- Leco Model GDS-500A Spectrometer
- CMM - Brown & Sharpe with PC-DMIS

Cleaning & Finishing Equipment

- 2 Ruemelin Type A, G Sand Blaster
- 2 Wheelabrator Tumbleblast - 3 Cubic Feet Capacity
- Pangborn #55EP5 Tumble Blast Unit
- One Ener-Pac 50 Ton Press
- One Dake - 25 Ton Press
- Assorted Bench Grinders & Hand Held Air Tools
- Two Double End Belt Grinders with Automatic Rise & Fall Fixtures
- Ramco Ceramic Leech Tank
- Techmatic Double End Rise & Fall Grinder
- Techmatic Double End Grinder
- Goff 6 Cubic Feet Tumbleblast
- 200,00 BTU Hot Pressing Oven
- AW Bell Belt Grinder

Dip & Molding Equipment

- Two Rommco Fluidized Bed & Blower Coating Units; 30" Diameter, 40" Height
- C-Power Ind. Model DWA 48 x 60 Autoclave Unit
- Five Ceramic Dip Tank Systems
- Primary Rainfall Sander
- Climate Controlled Ceramic Drying Rooms
- Two Pneumatic Mold Manipulators

Melting & Pouring Equipment

- Pillar Mark VIII, 250 KW, 500 lb & 1,000 lb Induction Furnace
- Pillar Mark VIII 250 KW Power Unit with 300 lb, 500 lb & 1000 lb Furnaces
- 3 Ceramic Mold Preheat Ovens



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FACILITIES LIST

PERMANENT MOLD DIVISION

Eleven Stationary Permanent Mold Machines
Three McEnglevan 1,000 lb. Furnaces
Ajax Magnethermic MFL-100T Bronze Melting Furnace
Three Redford Shell Core Machines
Milwaukee Cut-Off Saw
Burr King 960 Belt Grinder
Brinnell Tester
Surfometer Profolometer
Mititoyo Digital Readout GML-3705WCL
ARUN Metalscan Desktop 2000 Spectrometer
Two Bridgeport 2J's

PATTERN DIVISION

Cincinnati Bickford 6' x 13" Radial Arm Drill
Acra CK-1-1/2HK Vertical Milling Machine
Craftsman 12" x 36" Bench Top Lathe
Three Tannewitz 36" Vertical Bandsaws with Tilting Tables
Delta RJ42 Jointer
Powermatic Model 180 Planer
Zimmerman Type M22 Coordinate Measuring Machine
Torit & Day PJD8 Dust Collector & Baghouse
Haas VF-3

GREENSAND DIVISION

Five McEnglevan Aluminum Melting Furnaces, Four 1,000 lb. & One 600 lb. Capacity
Osborn Rota-Lift Molding Machine
BMM Weston Model V2375 Molding Machine
Dependable 400SA Shell Core Machine
Two Redford Shell Core Machines
Two In-Floor Mounted Manual Shake-Out Units
Five Custom Built Grinding Manipulators
Three Burr King 960 Belt Grinders
State D-20 Disc Grinder
Miller CP-250TS CP-DC Welding Power Source Wire Feed Unit
Bronco Rotary Shot Blaster, 40" Wide x 20" Diameter
Lincoln Idealarc Tig-300/300 Tig Welder
Custom Built 2-Station Drilling & Tapping Unit
Econoline Flow-Thru Blast Cabinet with Torit Dust Collector