

## Production and Prototyping / Engineering Capabilities

**Two Newly Renovated Plants Totaling 125,000 sqft!**

### BYSTRONIC LASERS

Tolerance plus (+) or minus (-) 0.004".

Turnaround is less than a week on straight laser parts.

Both Lasers run up to 1" Steel plate, 1/2" Aluminum, and 3/4" Stainless Steel.

- 2012 5.2KW, 4020. Sheet size 72 inch x 144 inch. Laser tube cutting option.
- 2005 4.4KW, 3015. Sheet size 60 inch x 120 inch.

### ROBOTIC WELD CELL

- 2012 Motoman Robot, Six Axis
- 2012 Miller Auto-Axcess Welder
- Indexable Turntable
- Rotary Headstock - Tailstock

### PLASMA

- 200AMP HD, 10 x 14 foot with water table.

Contains 3 Oxy-fuel torches running simultaneously.

Run up to 8" thick Steel and 1" thick Stainless Steel.

### PRESS BRAKES

- 2015 440 Ton Bystronic Xpert, 14 foot bed.
- 2015 150 Ton Bystronic Xpert, 10 foot bed.
- 600 Ton Pacific, 24 foot bed.
- 2012 320 Ton AccurPress Advantage, 16 foot bed.
- 2013 130 Ton AccurPress Advantage, 8 foot bed.

### FORMING / MISCELLANEOUS

- 50 Ton Piranha Ironworker
- 2014 Work Horse Rolls, 1/2" x 6'
- 1/4" x 5' Rolls
- 3/8" x 5' Rolls
- Cincinnati Shear: 10 foot up to 10 gauge

### TUBE FABRICATION

- Tube Bending
- Bystronic Laser Tube Cutting
- Angle Rolling

### WELDING

- 2012 Miller Axxcess Accu-Pulse Welders
- 20 Weld Cells set-up with torches and fixture tables.
- MIG, TIG, Stick, Oxy-fuel Weld, Submerged Arc, Thermal Spray, Hard Surfacing, Soldering and Surface Grinding.

### MACHINING

- 2013 HAAS VF5 (CNC Machining Center)
- 2013 HAAS ST30 LATHE 3" thru Capacity
- 2012 HAAS VF5 (CNC Machining Center)
- 2012 HAAS ST30 Bar Fed LATHE 3" thru Capacity
- 2013 HEM Vertical CNC Saw VT100HLA-60TS
- OD/ID Grinding Machines, 8" x 24" Capacity
- PULLMAX Angle Roll, 3" x 3" x 3/8"
- Manual Lathes and Mills
- Surface Grinding

### QUALITY CONTROL

- 2014 FaroArm Edge
- 2010 FaroArm Platinum
- Rockwell Hardness Tester

### MATERIAL HANDLING

- 5 Ton YALE Cranes (2)
- 3 Ton YALE Crane (1)
- 15,000lb YALE Forklift (1)
- 6,000lb YALE Forklifts (3)
- 5,500lb YALE Forklift (4)

### COATING

- Paint, Powder Coat, and E-Coat.
- Heat Treat and Specialized Coating available.

### ONSITE STEEL INVENTORY

- 1,000,000lbs sheet steel, A36 to Grade 80.
- Stainless, Aluminum, Copper, and Barstock / Tube

### INVENTORY & DISTRIBUTION MANAGEMENT

- 40,000sqft with organized 30ft pallet racking.

### FUTURE EQUIPMENT *Coming Soon!*

- 6000KW Bystronic Fiber Laser, 72 inch x 144 inch.
- Motoman Robots
- Water Jet Cutting
- Tandem Press Brakes and Large Stamping Presses

## **Engineering Capabilities**

*Complete design and prototyping for metal fabrication, parts, and machining.*

- Quick turnaround from concept to completion.
- Hands on engineers who are involved in every stage of the process, from design to testing of the finished product.
- Design Software:
  - Solid Works   ▫ DWG   ▫ DXF   ▫ Inventor
  - Pro-E   ▫ RHINO   ▫ BOBCAM   ▫ IGES

## **Quality Department**

**Purpose:** To provide customers with products and services that consistently meet and/or exceed the customer's requirements.

- Quality Auditors (inspectors) perform first piece, in-process and last piece inspections on all product by using check fixtures or calibrated measuring instruments to verify conformance to customer requirements.
- Quality Assurance programs the FaroArms, generates PPAP and inspection documents.