

Equipment & Capabilities

LASER PROCESSING

- Bystronics Bystar – Model 3015 - 4th Axis Rotary Capable
- Bysprint 3012 – High Speed Optics + Dynamic Piercing

Capabilities & Capacities:

- ✓ Laser Cutting, Welding, Drilling and Engraving.
- ✓ Cutting mild steel to 3/4" thick, aluminum to 1/4" thick & stainless steel to 1/2" thick
- ✓ Large sheet capacity. Oversize parts processing available.
- ✓ 4th Axis rotary capabilities for processing tubing/pipe.
- ✓ Adaptive optics for oxidation-free edges.

METAL FABRICATION

- **Accurpress 24'-400 Ton- with 20'6" between housings NEW**
- AFM Hydraulic Press Brake - 220 Ton - 13 Ft.
- Amada Fab 80D – 80 Ton – 8 Ft

Capabilities & Capacities:

- ✓ 8 Axis heavy-duty back gauge. Programmable CNC crowning
- MetaLax - Vibratory Stress Relieving
- Peddinghaus 50 Ton Iron Worker
- Marvel CNC Band-Saw - Series 81-A
- Cincinnati Shear - 1/4 inch X 10' capacity
- Powermax 900 Plasma Arc
- Six different overhead cranes (5 Tons).
- 10' Bertsch Roll, 8' Morgan Denver Roll and 4' New Dimension Roll

Capabilities & Capacities:

- ✓ Production of most any type of round vessel, vacuum chamber, tank, frames, tables, etc.

PRECISION MACHINING

(Temperature Controlled Facility)

- Haas Machining Center - Model VF-2 (16" X 30" X 20") 7,500 RPM
- Haas Machining Center - Model VF-9 (84" X 40" X 30") 10,000 RPM
- Haas Machining Center - Model VF-10 (120" X 32" X 30") 10,000 RPM
- *All have geared heads with rigid tapping and 4th Axis ready.
- Kuraki Horizontal Boring Mill - Model KBT-15-CXA - (118" X 80" X 51" X 27")
CNC with full 4th Axis Capable of handling large parts up to 20,000 lbs.
- Mori Seiki CNC Mill - Model MV80 (60" X 30" X 30") - Geared head, 11M Control.
- Giddings & Lewis Horizontal Boring Mill - Model 340-T
4" spindle, 48" X 120" table with 48" rotary, 3 Axis digital readout.
- Sharp Toolroom Lathe (24" X 14")
- Hitachi Seiki CNC Lathe - Model HT25G
Swing 24.4 X 44.8 Length LNS Super Hydrobar to 2.5. Diameter X 12' with auto presetter.

Continued...

PRECISION MACHINING

(Temperature Controlled Facility)

- Easy-Trac Knee Mill
- Proto-Trac Knee Mill
- Two Manual Bridgeport Mills

FINISHING

- Timesaver Sander - 43" Wide Belt.
- Blast Booth - Mild Steel
- Blast Booth - Stainless Steel
- Vibratory Deburring
- Hot Phosphate Cleaning
- Hand Blast Cabinet.

WELDING

- MIG (Wire) up to 600 Amp.
- Pulse Arc up to 500 Amp.
- TIG (Heli-Arc) 300 to 600 Amp.
- TIG Cold Wire Feeds.
- Syncrowave 351
- Spot Welders up to 20 KVA

Capabilities & Capacities:

- ✓ Mig and Tig welding of mild steel, stainless and aluminum.

QUALITY ASSURANCE

- Zeiss Eclipse ST 4040-20 – CNC Coordinate Measuring Machine
 - Starrett Sigma HB400 - Optical Comparator with Quadra-Chek 2000
 - Brown & Sharpe Micro-Hite - Measure to 40"
 - Calibrated Granite Inspection Tables - One 6' X 8' and one 4' X 8'.
 - Helium leak checking.
 - ✓ Conformance to Mil-Q9858, Mil-Q45208, ANSI 14.5M – 1994
 - ✓ QA manual and detailed inspection equipment list available for review upon request.
- NQA 1 – 2008 QUALIFIED**

ENGINEERING

Our engineering staff uses Solid Works, AutoCad, Cadkey and Mastercam CAD/CAM programs. A variety of file formats can be imported.

ASSEMBLY SERVICES

Services available for full or partial product/part assembly

FACILITY

40,000 sq. ft. fabrication facility. 10,000 sq. ft. temperature controlled machining facility.
5,000 sq. ft. office/engineering/quality assurance area.

SMALL BUSINESS CLASSIFICATION

GBC meets Federal Guidelines for classification as a Small Business.

For Additional Information, Visit Our Website... www.gbcinc.com