



## Fabrication Division Capabilities

### Stainless Steel Pipe and Module Fabrication Facility

**Floor Space** 15,000 sq. feet

**Cranes**  
1 – 5 ton overhead crane  
2 – 2 ton overhead cranes  
8 – 1 ton jib cranes

**Equipment**  
1- Automated Thermal Arc plasma keyhole welding system  
1- Automated weld processor with weld stand  
1 – Orbital Plasma Cutter  
3” – 30” Diameter/.25” wall – 1.25” wall thickness  
2 – Georg Fisher Orbital Pipe Cutters  
½” – 6” Diameter/.065” wall - .134” wall thickness  
3 – Miller Plasma Arc Cutting Machines  
16 – Miller Welding Machines  
1 – HEM Saw V-100L - 2  
1 – T – Drill for extruding ports  
½” – 6” Diameter ports 2½” – 18” Diameter pipe to .188 wall thickness  
1 – Horizontal/Vertical Milling Machine  
½” – 4” diameter  
2 – Arc Machines, Inc. orbital weld machines  
8 – Welding Positioners

#### Pre Fabricated Materials

Stainless Steel  
All grades and types  
Schedule 5 through Schedule 80, E.R.W. and Seamless

Special Alloys  
Hastelloy  
Monel  
Inconel  
Duplex 2205  
A254SMO  
AL6XN  
Titanium  
Aluminum

**Capacity** (2) 10-hour shifts per day, (4) days a week—Monday through Thursday  
70,000 man-hours per year



## Fabrication Division Capabilities

### Carbon Steel Pipe Fabrication Facility

<b>Floor Space</b>	18,000 sq. ft.
<b>Cranes</b>	2 – 5 ton overhead cranes 1 – 2 ton overhead crane 8 – 1 ton jib cranes
<b>Equipment</b>	1 – Vernon MPM-2 Automated Pipe Cutting Machine 2 Axis 2 ½" – 48" Diameter / .25" wall – 3" thickness 2 – Miller Plasma Arc Cutting Machines 16 – Miller Welding Machines Standard grinding and end-prepping equipment 1 – Cooperheat and Miller induction heating equipment 8 – Welding Positioners 2 – Submerged Arc Weld Systems
<b>Pre-Fabricated Materials</b>	Carbon Steel All grades and types of E.R.W. and Seamless materials Standard weight through double extra-strong  Chrome P5, P9, P11, P22, P91 and P92 materials Standard weight through min.—wall requirements
<b>Capacity</b>	(2) 10-hour shifts per day, (4) days a week—Monday through Thursday 70,000 man-hours per year



## Fabrication Division Capabilities

### Metal Fabrication Facility

<b>Floor Space</b>	18,000 square feet fabrication
<b>Cranes</b>	(2) 10-ton bridge cranes each with (2) 5-ton hooks (60' span, 25' clearance under hook) (2) 5-ton bridge cranes (1) 2-ton bridge crane
<b>Doors</b>	(2) 18' wide x 18' clearance height (1) 12' wide x 12' clearance height (3) 14' wide x 14' clearance height
<b>Equipment:</b>	
<b>Shearing</b>	Hydraulic squaring shear (Accushear) Maximum cutting width—10' Slitting capability—12' Shearing capacities—Mild steel such as: 1020, or A36 (1/2" thick) PVQ such as: A285 or A516-70 (1/2" thick) Stainless Steel such as: A240 (3/8" thick) Aluminum alloys such as: 1100 or 3003 (5/8" thick) Ironworker structural shear (Scotchman65) Shearing capacity—Plate: 3/4" thick x 20" Angle iron: 6" x 6" x 1/2" Punching: 1-1/2" diameter thru 1" thick plate- 16" throat depth
<b>Plasma Arc</b>	Vicon Model 8000- Fabricator Computer Operated Maximum burning capacity—1-1/2" thick plate Table size—72" wide x 144" long
<b>Saws</b>	Automatic Vertical High-Speed Production Bandsaw (HEM model VT 120 HA-60) Sawing capacity—18" 4 x 24"
<b>Bending</b>	Press brake (Accupress Model 725012) Maximum tonnage—250 tons Total overall die length—12' x 0" Length between housings—10 x 4" Throat depth from die centerline—10" Bending capacity 5/16" thick & lighter- 12' long 1/2" thick plate- 8' long 5/8" thick plate- 5' long
<b>Cutting</b>	(1) Vernon MPM-4 Automated Pipe Cutting Machine 2 1/2" – 48" diameter / .25" – 3" wall thickness

**Metal Fabrication cont.**

<b>Sheet/Plate Rolling</b>	Digital operated pinch type roller (ROUND0 Size PS255/10) Rated capacity—9/16" thick x 10' width Minimum diameter rolled—14" Capacities 1/2" & lighter x 10' width x diameter >2' 5/8" plate x 8' width x diameter > 4' 3/4" plate x 4' width x diameter > 4'
<b>Tank Turning Rolls</b>	Fuller (JFRD – 20) Rated Capacity—6" – 14' diameter Maximum Weight—30 tons



## Fabrication Division Capabilities

### Pipe and Metal Fabrication Facility

**Floor Space** 19,000 sq. feet

**Cranes** 2 – 5 ton bridge cranes  
12 – 1 ton jib cranes

**Equipment** 1 – HEM Saw model V-100L-2  
1 – Georg Fisher Orbital Pipe Cutter Model RA6H  
9 – Welding Positioners  
Grinding and end prepping equipment

### Pre-Fabricated Materials

**Carbon Steel**  
All grades and types of E.R.W. and Seamless materials  
Standard weight through double extra-strong

**Chrome**  
P5, P9, P11, P22, P91 and P92 materials  
Standard weight through min.—wall requirements

**Stainless Steel**  
All grades and types  
Schedule 5 through Schedule 80, E.R.W. and Seamless

**Capacity** (2) 10-hour shifts per day, (4) days a week—Monday through Thursday  
70,000 man-hours per year



# Fabrication Division Capabilities

## Metal Fabrication / Outsourced Manufacturing Facility

<b>Floor Space</b>	45,000 sq. feet
<b>Cranes</b>	2 – 40 ton, twin hook, overhead bridge cranes (30' under hook)  2 – 20 ton, twin hook, overhead bridge cranes (20' under hook)  30 – 1 ton jib cranes
<b>Doors</b>	2 – 16' wide x 16' clearance height
<b>Equipment:</b>	
<b>Welding</b>	30 – Miller welding machines
<b>Cutting</b>	1 – Automatic vertical high-speed production band saw HEM Model VT 12 HA-60
<b>Fixtures</b>	3 – Double Boxing Fixtures (Currently used for Manitowoc Crane Work)
<b>Storage</b>	4 – Acres of security-fenced, outdoor laydown area
<b>Machining</b>	Vanguard Double Column Bridge Machine Model No. GMB-6000SV-H Distance between two columns – 1500mm Travel X: 5950mm Y: 1350mm Z: 775mm (V) / 700mm (H) Table size: 1250 x 6000mm Spindle rpm: 4400rpm 30ATC BT#50 Spindle (Optional CAT #50) 90 degree fixed manual angle head Auto tool length measurement system, Kao Ming Auto part touch probe system, Renishaw RMP60