



## Manufacturing Facilities

### Codes / Specifications

ASME Section I & VIII Division 1  
TEMA  
API 660  
National Board

### Facilities

Land Area 15 Acres  
Shop Area 62,250 SF  
Area Under Roof 74,850 SF  
Paved Storage 39,500 SF

### Shipping

Rail - Burlington Northern Siding Under Cranes  
Truck - Contract and Motor Freight  
Barge - Arkansas-Verdigris Navigation Channel

### Construction Materials

Carbon Steel, Low Alloys	4 Inches Max Shell Thk
Stainless, Chrome/Clad Steels, Monel	4 Inches Max Shell Thk
Hastelloy, Inconel, Incoloy, Nickel	2 Inches Max Shell Thk
Titanium	3/4 Inch Max Shell Thk

### Size Capability

Max Bundle Weight	100 Tons
Max Bundle Diameter	128 Inches
Max Shell Diameter	128 Inches
Max Tube Length	70 Feet

### Quality Control

Inspection Agency One Beacon America Insurance Company  
ASME Certificates S and U  
National Board Repair Certificate R  
American Welding Society (AWS) Certified Welding Inspectors (CWIs) - 2  
Radiography, Liquid Penetrant, Ultrasonic, Hardness, Mag Particle (Wet and Dry), Surface Roughness, Delta Ferrite, Tensile, Chemical and Physical Analysis, Olympus Borescope with Camera and Monitor, Tube Joint Tester, Material Analyzer

**Machine Shop**

Vertical Turret Lathes	5 - 42 to 104 Inches
Boring and Milling Machines	1 - 96" Diameter 6" Bar, Horiz 1 - Hydrotel, 44" Under Spindle
Radial Drills	5 - 8 Ft Arm, 20" Max Column
Automatic Drills	1 - CNC Drilling/Boring/Milling Machines 1 - 96" Diameter, 30" Vertical Stroke Gantry Drill/Milling System 1 - 120" Diameter, 30" Vertical Stroke Gantry Drill/Milling System
Saws	1 - 60" Bundle Saw Miscellaneous Cut-Off and Band Saws
Portable Nozzle Facing Machines	3 - Nozzle Sizes 2" to 36"

**Weld Shop**

Machines	27 - AC/DC, 300 to 800 Amp
Positioners	9 - Power Driven 1,000 to 24,000 Lbs
Turning Rolls	6 - Power Driven to 360,000 Lbs
Automatic Overlay	6 - Lincoln 2 - 30 and 60mm Strip 2 - Boretech® Pipe/Small Nozzle Overlay Machines
Inert Gas	2 - MIG 650 Amp 3 - Hobart® Cyber TIG Tube to Tubesheet Welding Systems 5 - TIG Welding Units
Cutting	4 to 8 Inches Thk 2 - 1" Thk Plasma
Computer Controlled Edge Prep	8" Thk
Manipulators	5 - 12' x 12' Powered
Plate Rolls	1 - To 1" Thk x 10' Long
Local Heat Treatment	8 - Electric Resistance Power Sources

**Assembly Shop**

Electronic and Air Controlled Torque Tube Expanders	
Hydraulic Tube Puller	
Test Water Heater and Circulator	
Hydrotest to 10,000 PSI	
Air Test to 125 PSI	
High Pressure Washer	
Bolt Tensioners	

**Subcontract Facilities**

Heat Treating - 2 Sources	To 55'-6" L x 13'-10" W x 13' H Automatic, 12- Thermocouples, Car Bottom, 2150° Max
Plate Forming - 4 Sources	24" Top Roll x 10" Hot Rolling Available Through 4"
Tube Bending/Stress Relieving - 2 Sources	