

## Product types

- Pressure vessels
- Towers
- Drums
- Shop fabricated tanks
- Component fabrication
- Piping
- Structural
- Skid modules
- Stacks
- Scrubbers
- Liners
- Ducting

## Certifications

- ASME U Stamp - division I pressure vessels and equipment
- ASME U2 Stamp - division II pressure vessels and equipment
- ASME S Stamp - power boilers
- ASME B31.3 - process piping
- API - shop fabricated tanks and components
- AWS - structural components
- In-house QA/QC - CWI, API 510, 570, 653, NBIC

## Bay sizes

- (1) 500' x 100' wide
- (1) 500' x 50' wide
- (2) 300' x 60' wide

## Electric overhead door sizes

- (2) 28' high x 28' wide
- (2) 20' high x 25' wide
- (1) 20' high x 15' wide
- (1) 20' high x 50' wide
- (2) 30' high x 25' wide
- (1) 30' high x 55' wide
- (2) 20' high x 20' wide
- (2) 20' high x 28' wide
- (2) 18' high x 16' wide

## Forklifts

- (1) CAT 31,700# capacity; 8' lg. forks
- (2) CAT 17,000# capacity; 8' lg. forks
- (2) CAT 14,000# capacity; 8' forks
- (2) CAT 8,000# capacity; 5' forks
- (1) CAT 9,000# capacity; 5' forks
- (1) CAT 4,000# capacity; 4' forks
- (1) Standup reachlift 2,000# capacity

## Plate movers

- (2) Shuttlelift 48,000# capacity mobile crane

## Press brake

- (1) Accurpress 713010-12: 130 ton; 10' bed and 2' horn
- (1) Dual Accurpress 500 ton x 16' length (32' total; 1,000 ton max)

Material	Thickness	Length	Die opening
A36	1/2"	30'	5"
A36	3/8"	32'	5"
A36	1/4"	32'	3"
A572 Grade 50	1/2"	23'	5"
A572 Grade 50	3/8"	32'	5"
A572 Grade 50	1/4"	32'	3"
A517	3/8"	10'	5"
A517	1/4"	28'	3"

## Shear

- (1) Accurshear 662512

Thickness	Width
(min) 18 GA	(min) N/A
(max) 5/8"	(max) 12' length

## Angle Roll

- (1) Faccin angle roll
- (1) Montgomery angle roll

Thickness	Width	Length
(min) 3/16"	(min) 2" x 2"	(min) 10'
(max) 5/8"	(max) 6" x 6"	(max) 60'

## Iron workers/punch presses

- (1) Megaworker (60) ton
- (2) Scotchman (65) ton

Whitney (2)	
Thickness	Hole size
(min) 18 GA	(min) 0
(max) 3/4"	(max) 1"

# PORT OF CATOOSA FABRICATION CAPABILITIES

- Lot size: 35 acres
- Building size: 215,000 sq. ft. under roof
- Office size: 23,142 sq. ft.
- Employees: 205 average
- Railspur: connection to Burlington, Northern and Southern Kansas and Oklahoma railroad
- Water access: barge capabilities at Port of Catoosa to Gulf of Mexico

## Cut-off saws:

- (1) Hemsaw horizontal saw (12 3/4" x 12 3/4")
- (1) Hemsaw CNC vertical tilt saw (18" x 24")
- (1) Hemsaw horizontal saw (16" x 24")
- (1) Cold saw
- (1) HYDmech (28" x 28")

Band saw:		
Thickness	Width	Diameter
(min) N/A	(min) 0	(min) 0
(max) 12"	(max) 28"	(max) 28"
Cut-off saw:		
Thickness	Width	Diameter
(min) 18 GA	(min) 0	(min) 1/4"
(max) 3"	(max) 3"	(max) 3"



A HIGHER STANDARD IN SERVICES.

## Burning machines

- (2) 2013 Messer MPC 2000 Plasma bevel head burning machines with bevel angle change on the fly technology, Telesis Pin Stamp system, true - hole and 12' x 40' cutting dimensions on water table. (Plasma burning capacities through 3 3/16").
- (1) 2003 Alltra Plasma burning equipment with (1) plasma torch and (2) oxy/fuel torches, true - hole plasma burn technology. (Plasma burning capacities through 2 1/2" thick. Oxy/fuel cutting capacities through 4" thick). Cut dimensions 13' 3" wide x 78' long on hydraulic lift water table.
- (1) 2005 Alltra Duel Plasma burning equipment and 12' 3" x 40' cutting dimensions on water table. System includes one (1) straight plasma torch burning up to 1 1/2" thick.

	Flame cutting	Plasma cutting
Thickness	(max) 8"	(max) 2"
Width	(max) 10'	(max) 14' 2"
Length	(max) 40'	(max) 40'
Hole size	(min) 3/4"	(min) 3/16"

## Beveling equipment

- (2) Gullco portable plate bevellers
- (2) Challenger portable plate bevellers
- (4) Trumpf handheld beveling machines
- (1) Plate edge beveler, Baldwin 12' x 40'
- (1) Plate edge beveler, Hills & Jones 12' x 40'

	Min.	Max.
Gullco	3/8"	1 1/4"
Hand beveler	1/4"	1/2"
Flame beveling	1/2"	4"
Plate edge bevellers	1/4"	4"

## Plate roll

- (1) DAVI MCB 4080 hydraulic drive 4-roll pre-bending machine (Capacity 3" thick x 12' wide)
- (1) MCB K30 hydraulic drive 4-roll pre-bending machine (1 3/4" x 9' 8")
- (1) DAVI 4-roll double initial pinch plate rolls (1 1/2" x 10' wide)
- (1) WEBB 3-roll slip bending machine (1/2" x 6')

## Plate roll specs

(min/max)	DAVI rolls	Medium rolls	Small rolls
Thickness	1/4" / 3"	10 GA / 5/8"	12 GA / 1/4"
Width	NA / 144"	NA / 8'	NA / 72"
Length	40'	40'	40'
Diameter	30" / 32"	18" / 8'	8" / 8'

## Turning rolls

- (10) Turning rolls with idlers (total turning capacity 15'-0" O.D. and 120,000#). 1-60 ton power rolls with idlers 5-10 ton power rolls with idlers 2-30 ton power rolls with idlers 1-5 ton power rolls with idlers Turning rolls: 120,000# 2-80 ton power rolls with idlers

## Cranes

- (1) 40 ton overhead top running crane with a 100' wide span x 675' long.
- (1) 10 ton overhead top running crane with a 100' wide span; this crane is outside the seal bay and supplies material to the saws.
- (5) 10 ton overhead top running crane with a 96'-1" wide span; these cranes are in the fab bays (40' hook height).
- (6) 15 ton overhead top running crane with a 56'-7" wide span; these cranes are in shell plate bays 1 and 2 (40' hook height).
- (2) 25 ton overhead top running crane with a 56'-7" wide span; these cranes are in shell plate bays 1 and 2 (40' hook height).
- (1) 25 ton Gantry crane with a 40'-0" wide span; this crane will run along a set of rails that are 725'-0" (25' hook height).
- (2) 25 ton overhead top running crane with a 56'-7" wide span; these cranes are in non-AST bay (40' hook height).

## Drill presses

- (1) HASS CNC router drill
- (1) 36" radial arm drill press
- (6) Magnetic drills; (2) regular and (2) rotobroach

## Drill press specs

Carbon steel:	
Thickness	Hole size
(min) 18 GA	(min) 5/32"
(max) 4"	(max) 2"

## Positioners

- (1) Pinwheel, Ransome 30P
- (1) Pinwheel, Aronson (10,000#)
- (1) Large pinwheel (4,000#)
- (3) Large pinwheels (2,000#)
- (1) Tabletop pinwheel (500#)

## Welding machines

- (3) Sub-arc large manipulators; (1) 1,000 amp AC/DC; (2) 600 amp
- (65) Mig, flux core, arc gouge, TIG and general purpose applications
- (9) Welders with pulse capability
- (1) Automated concepts robotic welder dual wire feed

Automatic weld		
Thickness	Length	Diameter
(min) 1/4"	(min) NA	(min) 36"
(max) ALL	(max) 12'	(max) 12'

## Torch cutting supply

- Bulk argon/CO2
- Bulk nitrogen
- Bulk oxygen and NGL with header and drops at various locations

## Manipulators

- (3) Preston-Eastin MA-1414 SHD, 20'-0" X-axis, 19'-0" Y-axis

## Automatic welders

- (2) Lincoln DC-1000 Power Source, NA-3 sub-arc head, and control
- (4) Bug-O weld tractors

## Air arc head

- (3) ArcAir N6000 torch system with remote control pendant

## Manlift

- (1) 60' high man lift

## Hydraulic tables

- (2) Hydraulic lift tables