

## CNC Forming

(7) Bystronic CNC 7-Axis Press  
Brakes 320-ton  
Automated Robotic Bystronic  
80-ton Press Brake

## Punching/Forming

Strippit LVD - Turret: 1500H 30-ton  
42 stations w/Auto Index  
Medium Forming w/Punching  
up to 3/8" Thick × 2-1/2" Diameter

## Sawing

Marval 2150 PC60  
(2) Spartan PA 1: 20" × 20"  
w/60 Mitre

## Welding

25 Stations w/ over 35,000 sq. ft.  
Manual Welding Area  
Weld Processes Include GMAW,  
FCAW, GTAW, SMAW and SAW.  
Welders are Qualified to  
AWS D1.1.  
Schuette Welding Academy  
Training On-Site. (2) CWIs Staffed

## Robotic Welding

(8) Robotic Welding Cells  
6-axis Lincoln/Fanuc w/Dual Head/  
Tail Secondary Axis up to  
120" × 60" Weldment Size

## Stud & Spot Welding

Midwest Fasteners Ultra ARC  
UA1800 Taylor P3-18-150

## Lasers

Bystronic Fiber Laser 6 kW: 60" × 120" tables  
Bystronic Fiber Laser 15 kW: 60" × 120" tables  
(3) Bystronic CO<sub>2</sub> Lasers 4,400W: 60" × 120" Table w/39 Station  
Linked Load Tower  
250 Cassette Automated Material Handling System

## Burn/Flame Cutting

ESAB CNC Plasma/Oxy fuel  
Burn Table w/ 1-head 600-amp  
M3 Plasma Cutting Torch, 2-head  
Oxy Fuel  
2 Water Tables: 10' × 20',  
Cutting Capacity to 8" Thick

## Machining

MORI Seiki CNC Lathe - 4 Axis w/ Live Tooling:  
10" Chuck Diameter × 24" Turning Length  
Okuma Vertical Machining Center:  
35 HP: 25" × 58" × 24" w/Dual Pallet Loader  
Fadal Vertical Machining Center: 20 HP: 20" × 40" × 15"  
Toshiba BMC-1000 Horizontal Machining Center:  
30 HP: 10,000 rpm Travel: 78.7"/59"/47" (8 pallet/180 tool)

(2) Mori Seiki NHX 5000 Horizontal Machining Centers:  
20 HP: 12,000 rpm Travel 28.7"/28.7"/34.6"  
(2 pallet/60 tool)  
Mori Seiki CNC Vertical Machining Center  
(3) Haas CNC Vertical Machining Centers

## Finishing

Roto-Blast  
Paint Prep - Shot Blast Room:  
20' × 35' Booth Size  
Large Booth Wet Paint: 18' × 16' × 35'  
Bronco Swing Table Blaster

## Automatic Paint Line

9-Stage Wash w/Acid Laser  
Edge Removal, E-Coating,  
and Powder Coating  
32" × 60" × 120" Max Part Size

## Quality

Brown & Sharpe Global Advantage  
CMM: Measuring Envelope  
500 mm/2200 mm/1000 mm  
(2) Hexagon Absolute 83 Arm  
CMM's: 8' Measuring Range