

Capabilities

Great Equipment - Great Products - Great Partnership





Metal Stamping & Forming Department

<u>Name</u>	<u>Tonnage</u>	<u>Bed Size</u>
Heim	32 ton	15" x 24"
Clearing	45 ton	18" x 28"
Minster	45 ton	28" x 18"
Minster	60 ton	32" x 21"
3 - Accurpress Brakes	60 ton	6 ft
2 - Accurpress Brakes	60 ton	8 ft
2 - Accurpress Brakes	100 ton	8 ft
V&O	105 ton	32" x 34"
2 - Danly	110 ton	27" x 42"
Cincinatti	110 ton	27" x 42"
Verson	125 ton	34" x 16"
Verson	150 ton	36" x 84"
Pacific	150 ton	36" x 76"
Accurpress Brake	175 ton	12 ft
Danly	200 ton	34" x 58"
Komatsu	200 ton	35" x 57"
Clearing Niagra	200 ton	72" x 42"
Aida	220 ton	27" x 42"
Komatsu	250 ton	106" x 37"
Accurpress Brake	250 ton	12 ft
2 - Cincinatti	250 ton	60" x 36"
Verson	300 ton	72" x 48"
2 - Clearing Niagra	300 ton	48" x 84"
Bliss	400 ton	54" x 96"
Verson	400 ton	72" x 84"
Clearing Niagra	400 ton	96" x 54"
2 - Minster	500 ton	48" x 60"
Bliss	600 ton	54" x 84"
2 - Davi Roller	4 Roll	6' Length





Laser Cutting Department

2- Mazak 4000W Laser - 1" x 60" x 120"
4000W Fiber Laser .375" X 60" X 120"
TekMag Automated Material Handling System

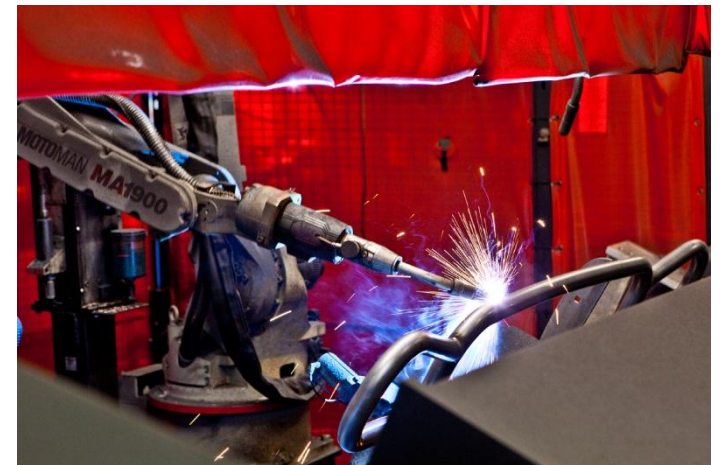
	Nitrogen Generator	
Accurpress Brake	100 ton	8' Bed
Accurpress Brake	60 ton	6' Bed





Welding Department

- 8 - MotoMan Robotic Weld Stations
- 8 - Small Robotic Weld Stations -28" X 30" (440 LBS)
- 5 - Dual Head Robotic Weld Stations - 51" X 117" (Max 1650 LBS)
- Miller Robot Weld Station
- 12- Manual Miller Weld Stations
- 12 - Manual Weld Stations
- 3 - Spot welding

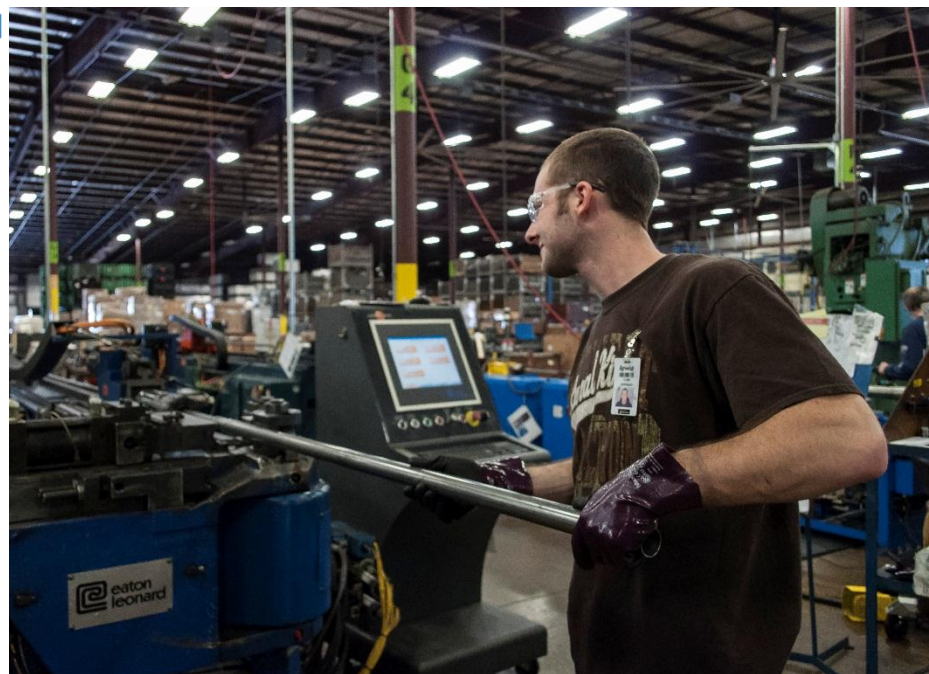




Tube Forming and Bending Department

3 - 3" Eaton Leonard CNC Tube Bender w/ BendPro Control
2" Horn Machine Tools C/L 200 CNC Tube Bender w/ BendPro Control
1-1/4" Winton Wing Bender
Pines Tube Bender 1-1/4" capacity
1-1/4" Addison Mckee Tube Swage
Finn Power Swage .39" - 1.77" dia capacity
Addison McKee Tube End Former TC80
Vogel Hydraulic Coping Machine
Haas Horizontal Machining Center

<u>Name</u>	<u>Tonnage</u>	<u>Bed Size</u>
Heim	32 ton	15" x 24"
Clearing	45 ton	18" x 28"
Minster	45 ton	28" x 18"
5 - Minster	60 ton	32" x 21"
Minster	75 ton	36" x 24"
Bliss	75 ton	36" x 24"





Machining Department

Miyano Lathe

Okuma Cadet Lathe – up to 2 ½" capacity, 12' bar feeder

Okuma Captain L370 Lathe - up to 1 ¼" capacity with live tooling, 12' bar feeder

Okuma LB300 Lathe – up to 1 ¼" capacity with live tooling, 12' bar feeder

Okuma LB3000 Lathe – up to 1 ¼" capacity with live tooling, 12' bar feeder

2 - Mazak VTC 200B Vertical Machine Centers

6 - Makino A51 Horizontal Machining Center

Fadal Horizontal Machining Center

Zoller Hyperion Horizontal Tool Presetter

Modern Cut-off Machine Model 2L 3" capacity, 21' bar feeder

Modern Cut-off Machine Model 2LD 3" capacity, 24' bar feeder

Modern Cut-off Machine Model 2LD 3" capacity, 29' bar feeder

Kentai KTC-85S Cold Saw 3.3" Dia. X 20'

Cincinnati Centerless Grinder

Ooya Radial Drill

2 - Bridgeport Milling Machines

Multi-head drill cells

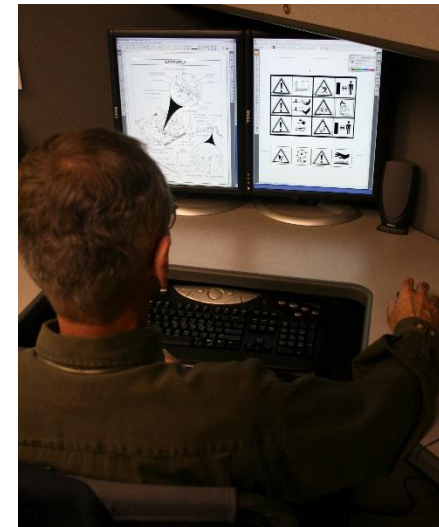
Vibratory Tumbler





Product Design

7 seats of Autodesk Inventor 2012 and 2012 AutoCad Mechanical
7 Autodesk Inventor/AutoCAD Work Stations (PC's)
1 seat of ProE Wildfire 3.0
Adobe InDesign CS6
Adobe Illustrator CS6
Adobe Photoshop CS6
Adobe Acrobat 10 Pro
Dimension SST768 3D printer
Blueco Weld Table





Tool Department

Turning

- 1 Moriseki MS-850 36" x 12"
- 1 LeBlond Makino 60" x 12"
- 1 Bridgeport EZPATH 48" x 8"

Milling - CNC

- 2 Bridgeport EZTRAK II 32" x 14"
- 1 Mazak VTC-20B 44" x 20" x 20"
- 1 Mazak VTC-200B 44" x 20" x 20"

Milling - Conventional

- 3 Bridgeport 28" x 12"

EDM Wire Machine

- 1 AGIE - Agiecut Classic Self-threading 13.5" x 19.5"

Grinding - Surface

- 1 Chevalier FXG2060AD II 60" x 20"
- 1 Grand Rapids Model 386 30" x 10"
- 1 Covel 15" x 10"
- 1 Harig CNC 1224 AD 24" x 12"
- 2 Chevalier FSG1224 AD 24" x 12"
- 1 DoAll 13" x 6"
- 1 Abrasive 18" s7"

Drill Presses

- 2 Clausing 20
- 1 Walker-Turner With Tapping Head
- 1 IKEDA Radial Arm
- 1 Abarboga Maskiner Radial Arm

Sawing

- 1 Grob 4V-24 Vertical Band Saw
- 1 DoAll #261ZH Vertical Band Saw
- 1 DoAll #C-916 Horizontal Saw

Belt Sanders

- 1 Wilton 6" x 24"
- 1 Balt 6" x 24"

Welding Equipment

- 1 Miller Wire
- 1 Thermal Arc with Tig attachment

Sand Blaster

- 1 Trinco Dry Blast

Heat Treat

- 1 K.H. Huppert oven





Paint (Dip & Powder Coat)

Dip Paint-Line

Semi-Gloss Black Bake Enamel
Material Type - steel, aluminum
Part Window - 24" x 48" x 12"
Weight of heaviest rack - 70 lbs.
Total weight thru system - 560 lb./min. , 34,000 lb./hr.
Single line 4 stage washer system

Dual Powder Coat Lines

AkZo-Nobel Powders
Material Type - steel, aluminum 28 ga. - 3/8" thick
Part Window - 40" x 60" x 24"
Weight of heaviest rack - 200 lbs.
Dual line 5 stage washer system
R/O Water Filtration
Burn-Off oven
4 - Nordson 5/12 Spray Booths
1 Gema Quick Change Powder Booth
Pangborn Wheel Media Blasting w/power & free conveyor
Model DB-24-36-2X1512D-TT Welding/ Grinding/ Sanding Booth
Econoline Sand Blast Cabinet





Assembly Department

Assembly Departments

13 - Automated Assembly lines

Hytrol Carton Stacker

10 - Allied and Best Pak Case Sealers

Conveyor Scales

Auto Print and Apply Carton Labeling

Lantek Auto Pallet Shrink Wrapper

Auto Print and Apply Pallet Labeling

