Capabilities

Great Equipment - Great Products - Great Partnership
## Metal Stamping & Forming Department

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

<table>
<thead>
<tr>
<th>Accurpress Brake</th>
<th>100 ton</th>
<th>8' Bed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accurpress Brake</td>
<td>60 ton</td>
<td>6' Bed</td>
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</table>
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

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<td>28&quot; x 18&quot;</td>
</tr>
<tr>
<td>5 - Minster</td>
<td>60 ton</td>
<td>32&quot; x 21&quot;</td>
</tr>
<tr>
<td>Minster</td>
<td>75 ton</td>
<td>36&quot; x 24&quot;</td>
</tr>
<tr>
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Machining Department

Machining Department

Miyano Lathe
Okuma Cadet Lathe – up to 2 ½” capacity, 12’ bar feeder
Okuma Captain L370 Lathe - up to 1 ¾” capacity with live tooling, 12’ bar feeder
Okuma LB300 Lathe – up to 1 ¾” capacity with live tooling, 12’ bar feeder
Okuma LB3000 Lathe – up to 1 ¾” 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-855 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”
2. LeBlond Makino 60” x 12”
3. 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” x 7”

**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 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