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METAL FABRICATION

CUTTING

Capabilities:

MILD STEEL:
24 gauge to .5" plate

STAINLESS STEEL:
24 gauge to .25"

ALUMINUM:
24 gauge to .25"

5' x 10' Maximum Sheet Size

Equipment:

TRUMPF TruMatic 6000

60" x 120"
Max Sheet Size

20 Ton
Punching Force

3 kW
Fiber Laser

Maximum Thicknesses:

CARBON STEEL
6mm | .250"

STAINLESS STEEL
6mm | .250"

ALUMINUM
5mm | .196"

MAZAK Super Turbo 2.5 kW X-48 Laser Cutting System (4)

Max sheet size 48" x 96"

2.5 kW CO_2 laser

Max carbon steel thickness: .5"

Max aluminum thickness: .250"

Max stainless steel thickness: .250"

MAZAK NTX48 1.5 kW Laser Cutting System (2)

Max sheet size 48" x 96"

1.5 kW CO_2 laser

Max carbon steel thickness: 7 gauge

Strippit Turret Punch/Laser Combo

33 ton Punching Force

2.5 kW CO_2 Laser

Max sheet size 48" x 96"

Max carbon steel thickness: 3/8"

BENDING

Equipment:

4 x TRUMPF TruBend 5130

120"
Max Bend Length

150 Ton
Press Force

6 Axis
Backgauge

Additional Presses:

Amada HD 1303 NT
Press Force: 130 tons
120" Bend Length

10' LVD PPEB
Press Force: 150 tons
20" Bend Length

Amada HFB 22040 (2)
Press Force: 200 tons
168" Bend Length

Amada HFB 1003
Press Force: 110 ton
120" Bend Length

Amada HFB 8025 (2)
Press Force: 88 tons
96" Bend Length

Amada FBD 8020
Press Force: 88 tons
72" Bend Length

HARDWARE INSERTION

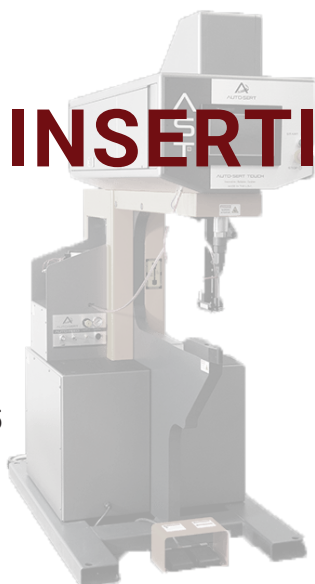## Equipment:

Autosert A-S 7.5 (4)
Max Tonnage Capacity: 7.5
Max Throat Depth: 20"

Autosert A-S 10 (2)
Max Tonnage Capacity: 10
Max Throat Depth: 36"

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METAL FABRICATION

WELDING

Capabilities:

12 weld stations manned by skilled welders. Carbon steel, stainless, and aluminum.

Equipment:

MIG Welding:

Miller Invision™ 456P (2)

Miller Maxtron™ 450 (3)

Miller Phoenix™ 456 (3)

Millermatic™ 135

Millermatic™ 211

Millermatic™ 252 (3)

Millermatic™ 350p (3)

TIG Welding:

Lincoln Square Wave®

Miller Dynasty™ 210

Miller Syncrowave™ 350 LX

Miller Syncrowave™ 351 (2)

Miller XMT 304™ cc/cv

Spot Welding:

ACME® 50 KVA

Banner® 130 KVA

Banner® 75 KVA

Banner® 75 KVA

Stud Welding:

ARC-900

ARC-700

Pro-Weld CD-512

Tru-Weld 375

ENGINEERING

Capabilities:

Team of full-time engineers specializing in design for manufacturing & assembly, DFMEA, PFMEA, prototyping and revision.

CAD Software:

SolidWorks®   SolidWorks® Composer   Creo

Offline Programming:

TruTops Boost   Planar   Cadman LVD   NCell

Critical Fabrication Tolerances:

Single Flange Dimensions +/- .010   **Overall Formed/Welded Dimensions** +/-.030

Hole Diameters +/- .003   **Hole-to-Hole Centers** +/- .005

Weld Assemblies +/- .045

POWDER COATING & FINISHING

AMAT-certified in-house powder coating line with environmentally-controlled clean room. Skilled powder-coating technicians with dedicated quality system to achieve spectrophotometer-verified color matching and coverage.

Equipment:

Nordson Spectrum® Powder Feed System

Nordson Horizon® Powder-Coating Rooms (2)

6 STAGE	**24"x48"x96"**	**1,160 ft**
Pre-Treatment Washer Computer-Controlled DI	Max Unit Size	Conveyor System

QUALITY ASSURANCE

Equipment:

InspectVision Vision-Based Planar 2D Inspection Machine

Fastest flat-sheet metal part inspection in the world with full CAD report capabilities.

40 MILLION	**ISO:10360**
Measurements in 0.1 Seconds	Guaranteed Accuracy

Edge FaroArm 6ft Portable CMM

3D CMM (Coordinate Measuring Machine) compatible with PolyWorks & Smart Profile. Provides accuracy to .0013"

CERTIFIED ISO 9001 : 2015

CERTIFIED ISO 13485 : 2016

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