



METAL FABRICATION

Building equipment or component parts by cutting, shaping, welding and assembly of various materials.

MATERIALS:

Sheet, bar and tube stock of various grades and thicknesses of aluminum, stainless, aluminized, copper, and galvanized coated materials

EQUIPMENT DESCRIPTION

MANUFACTURERS

CUTTING / PUNCHING

Laser cutters can cleanly and accurately cut steel stock up to 1" thick. NSA's rare Tube Laser significantly improves quality, saves time, and reduces waste by accurately cutting holes in tube stock up to 6" in diameter using a CNC programmed Trumpf.

- 1 - Combination Laser/Punch with full Automated Load and Unload
- 1 - 3000 Watt Fiber Laser with Load and Unload System
- 1 - 5000 Watt Fiber Laser with Load and Unload System
- 1 - 4000 Watt Laser
- 1 - Tube Laser – CNC
- 1 - 1/4" x 10' CNC Controlled Shear
- 4 - Band Saws

- Trumpf 7000
- Trumpf 5030 Fiber
- Trumpf 5030 Fiber
- Trumpf 3030 Laser
- Trumpf Tubematic
- Durma V5 3006
- Kasto, FMB, Hyd-Mech

METAL BENDING / STAMPING & FORMING

- 1 - CNC Tube Benders
- 2 - 15 Ton Gap Frame Hydraulic Press
- 1 - 100 Ton Gap Frame Single Crank Hydraulic Press
- 1 - 50 Ton Gap Frame Single Crank Hydraulic Press
- 1 - 110 Ton Gap Frame Single Crank Mechanical Press
- 2 - 10ft 140 Ton CNC Hydraulic 6 axis with 1 axis bed shift
- 1 - 4ft 40 Ton CNC Electric 6 axis Press Brake
- 1 - 10ft Amada FBD
- 1 - 8ft Amada
- 1 - 6ft Amada
- 1 - 100 Ton x 10ft CNC Hydraulic Press Brake
- 1 - 4ft 35 Ton CNC Hydraulic Press Brake
- 2 - 6ft 50 Ton CNC Hydraulic Press Brake
- 1 - 9ft 60 Ton CNC Hydraulic Press Brake
- 1 - 6ft 90 Ton CNC Hydraulic Press Brake
- 1 - 10ft 150 Ton CNC Hydraulic Press Brake
- 1 - Initial Pinch Plate Bending Roll
- 2 - P2 Panel Benders

- Keins
- Greenerd Model HPB-15
- SPC Sutherland Model CBS-100
- SPC Sutherland Model CPS-50
- Sutherland Mark-121
- Trumpf 5130X
- Trumpf 7036
- Amada Model FBD 1030 110 TON
- Amada Model HFE-8025 88 TON
- Amada Model FBD 5020 55 TON
- Amada Model 1030LD
- Amada Model FBD-3512
- Amada Model RG-5020
- Cincinnati Model 60BCIIX4
- Cincinnati Model 90CBIIIX6
- LVD Type 150
- Wysong Model B-72
- Salvagnini P2 Lean

WELDING / OTHER

- 4 - MAX KVA 150 Spot Welder
- 10 - MIG Welding Cells
- 1 - Miller Perform Arc
- 16 - TIG Welding Cells
- 5 - MIG Welding Robot
- 1 - Six Axis Welding Manipulator Robot
- 1 - Material Finisher

- Amada Model ID-40-ST
- Lincoln Wire-Matic
- PA-550HW
- Miller Syncrowave 250 + Dynasty 280
- Panasonic Model Pana-Robo
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- Costa MD6 CDC+ V1350

POWDER COATING

- 450' Foot Long Overhead Hanger Conveyor, Custom Dual Tunnel 3 stage washing system, Deimco Paint Booth, Jebco Fab Gas Fired Double Conv Oven, Pro Dry Preheat Gas-Fired Oven, Wagner Powder Coat Booth.
- Automated Powder Coating Line can handle pieces up to 88" x 42" x 66" and 400 pounds.
- 4 - Gema Optiflex Manual Powder Guns



NSA DELIVERS SOLUTIONS:

NSA's Innovations Group reviewed the design for an engine cover, and determined that a modified design using two pieces of sheet metal instead of one would simplify the process, speed up the production and improve the quality of the finished part. The customer approved the changes, resulting in a better product and a cost reduction of 13%.

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