



Equipment List

Engineering, Planning and Production Control

- Striker Systems, Amada CAD/CAM and Laser-pro for CNC Punch and Laser Programming
- AUTOCAD, CAD-Key, SolidWorks, Tek-Soft for engineering design
- M1 Shop Control Software for Bar Code Data Collection, Job Costing and Scheduling.

Inspection

- Quality Control system certified to **ISO 9001**
- Calibration per MIL-STD-45662
- Sampling per MIL-STD-105D
- Fabrivation 2D optical Inspection Machine
- Granite surface plate calibrated 48" x 96" x 10"
- Granite surface plate calibrated 36" x 48" x 6"
- Granite surface plate shop use 24" x 36" x 6"
- 18" & 24" Height gages. 40" Digital
- 12", 18", 24" & 60" Vernier dial calipers
- Spot weld pull tester
- Gauge pins and gage blocks and parallels

Shearing and Notching

- 1/4" x 12' Wysong mechanical shear w/power backgage & squaring arms
- 1/4" x 8" x 8" Amada CSH-220 Notcher
- 10ga x 8" x 8" Amada CSW-220 Notcher

Laser Cutting & CNC Turret Punching

Span-O-Matic maintains an extensive library of standard and special tooling

Amada LCG 3015 AJ 6000 Watt Fiber Laser

- 5' x 10' shuttle table.
- Cuts mild steel and stainless steel to 1.00", aluminum .75"
- 10 shelf material loader—load and unload for lights out operation.

Mitsubishi 1600 watt CO₂ Laser

- 48" x 96" x 12" X,Y and Z Axis
- 10" Rotary Index Table and Control
- Steel to .500", Stainless to .38", Aluminum to .125", Plastic to 1.00"

(2) CNC Turret Punches

- 33 Ton Wiedemann "Vectrum" 3046 AlphaT
- 48" Throat, [4] 2" Auto-Index
- [1] with sheet load and unload for lights out operation.

(2) CNC Turret Punches

- 55 Ton Amada "Coma" 567
- 60" Throat, Auto-Index. Max Punching 1/4" plate

Other Stamping and Punching

- 110 Ton Clearing OBI with die shoe 30" x 48"
- 75 Ton Niagara OBI with die shoe 26" x 42"
- 43 Ton Johnson for hard tooling
- 30 Ton Strippit 18-30 Single station punch
- 38 Ton Iron Worker single station punch
- Misc. "C" Frame tooling for pressbrake punching

Cutting and Sawing

- Amada HS-250 Automatic horizontal band saw
- DoAll 36" Vertical band saw
- 14" 5HP Abrasive saw
- Super Brown 12" Cold Saw

Bending and Rolling

- 220 Ton Durma 12' CNC w/table crowning
- 195 Ton Durma 10' 6 axis backgage – WILA tooling
- [2] 190 Ton Durma 10' 6 axis backgage – WILA tooling
- 30 Ton Amada 18" Hydraulic press w/manual gauging
- 15 Ton Verson 4' w/front operated backgage
- Hossfeld Hydraulic bar and rod bender
- Richards bender 1/4" x 4", 14 ga x 36" hand rolls

Hardware Insertion

- [3] Haeger hardware insertion machine.
- [1] Haeger automatic feed hardware insertion machine.
- [3] Hardware/rivet insertion presses

Robotic Welding, Welding and Assembly

- **Certified Welding AWS D1.1 & MIL-STD-1595A**
- **Robotic welding cell—6 axis**
- 500 Amp digital turbo pulse inverter power supply
- Large work envelope, 60" index table
- [2] Spot welders 30KVA, [1] 75KVA, [1] 150KVA
- [5] Heliarc [TIG] welders 300 Amp
- [5] Wire [MIG] welders 250-300 Amp
- [2] Arc welders 250-300 Amp
- Resistance stud welder 1/2" capacity
- Capacitance stud welder 3/8" capacity
- [4] Acorn platens 5' x 6' for assembly fixturing
- [5] Weld stations with tables MIG/TIG

Finishing, Deburring

- [2] Timesaver 36"
- 10ft³ Giant Vibratory Deburr, 3ft³ Vibratory
- Ajax 24" disc sander, belt & hand sanders and grinders