



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

- ¼" x 12' Wysong mechanical shear w/power backage & squaring arms
- ¼" 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

- **Bystronic 4000 watt CO₂ laser**
- 5' x 10' shuttle table.
- Full 4th axis for cutting tube.
- Cuts steel to .75", aluminum and stainless to .38"
- 14 shelf material loader—load and unload up to .75" material in storage 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"
- **CNC Punching Cell FG 1250**
- 33 Ton Wiedemann "Vectrum" 3046 AlphaT
- Autoload [4 X 10 sheets], Part unload, Autotapper
- 48" Throat, [4] 2" Auto-Index
- **(2) CNC Turret Punches**
- 33 Ton Wiedemann "Vectrum" 3046 AlphaT
- 48" Throat, [4] 2" Auto-Index

(2) CNC Turret Punches

- 55 Ton Amada "Coma" 567
- 60" Throat, Auto-Index. Max Punching ¼" 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
- [2] 190 Ton Durma 10' 6 axis backgage – WILA tooling
- 110 Ton Amada 10' w/NC-9EX multiaxis backgage
- 90 Ton Amada 8' w/NC-9EX multiaxis backgage
- 60 Ton Cincinatti 6' CNC w/multiaxis backgage
- 30 Ton Amada 18" Hydraulic press w/manual gauging
- 25 Ton Amada 6' w/NC-9EX multiaxis backgage
- 15 Ton Verson 4' w/front operated backgage
- Hossfeld Hydraulic bar and rod bender
- Richards bender ¼" 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 ½" capacity
- Capacitance stud welder ⅜" 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