



FACILITIES LIST

QUALITY SYSTEM

ISO-9001-2000 REGISTERED

METAL FABRICATING

PUNCH PRESSES/ LASER

- (1) Amada Apelio 357V hydraulic punch/laser combination controlled by Fanuc 16LB CNC controller. 33 ton, 50X72 sheet size plus reposition, 58-station triple track turret with 2 auto index stations. Its features include the flexibility of an RF excited 2000W laser and an automatic material loader and unloader with non scratch brush tables.
- (3) Amada Vipros 358 King Punching Cells w/04PC CNC controls, 33 ton, 50x80 sheet size plus reposition, 58 station Turret with 4 auto index stations, non scratch brush tables. 7 station Mini-Turret, automatic material loader, unloader, Line Control software and Sun workstation to operate UNMANNED.
- (2) Amada Pega-345 Queen CNC controls, 58 station turret with 2 auto index stations, 30 ton capacity, 40x50 sheet size plus reposition.
- (1) Amada Teg 160 tool grinder
- (1) Togu III Automatic tool grinder
- (1) Amada SP-15, Amada SS CNC control, single station 15 ton capacity. 38x10 sheet size capacity.
- (1) Famco Kick Press 15

SHEARS AND NOTCHES

- (1) Wysong and Miles 72" power shear with squaring arm, 3/16" thick capacity.
- (1) Wysong and Miles 52" power shear, 12 ga. thick capacity.
- (1) 24" foot shear, 18 ga. thick capacity.
- (1) Amada 8"x8", 10 ga. Power tab notcher with 1.937 x 4.000 coping attachments.
- (1) Di-Arco 6 x 6, 616 ga. Hand tab notcher.

BRAKES

- (1) Amada Astro -100ME, robotic bending system, AMNC controller, robotic material handler.
- (1) Amada FBD-1030NT, 118.2 bed, 110-ton hydraulic press brake with AMNC-PC controls.
- (1) Amada FBD-8025, 98.5 bed, 88-ton hydraulic press brake with NC9-EXII controls.
- (2) Amada RG-80, 94.5 bed, 88-ton hydraulic press brakes with NC9-EXII control.
- (2) Amada RG-35S, 47.24" bed, 38.5-ton hydraulic press brakes with NC9-EXII control.

BRAKES (CONTINUED)

- (1) Di-Arco 72" bed, 35 ton hydraulic press brake with Di-Acro CNC gauging system.
 - (1) Di-Arco 48" bed, 17 ton hydraulic press brake with Hurco "Auto Bend IV" backstop.
 - (2) Di-Arco 48" bed, 17 ton hydraulic press brake.
 - (1) 12" manual bar roll.
 - (1) Di-Arco bender model 1
 - (1) Di-Arco bender model 1A
 - (1) Di-Acro FB-1635, 24" finger brake
 - (1) Enco 36" manual slip roll 20 Ga. Cap. Can roll down to 1" radius.
- Large assortment of various radii forming dies for precision forming.

SANDING AND FINISHING

- (2) 37" AEM automatic sander, wet.
 - (1) 9" Timesaver automatic sander, wet.
 - (1) Blast-It-All sandblaster, 24"x42"x30"
 - (1) 24" Timesaver dry sander
 - (1) Burr King table top vibratory tumbler.
 - (2) 2 cu. vibratory tumbler.
 - (1) Ultra-Matic tumbler, 5 cu. Ft. capacity
- Misc.: belt sanders, disc sanders, hand held sanders and grinders

MACHINING**CNC MILLING MACHINES**

- (6) Leadwell V40, vertical machining centers, Fanuc controls, 20-station tool changer, 40"X by 20"Y by 20"Z travel.
- (1) Leadwell V30 vertical machining center, Fanuc controls, 20-station tool changer 20"X by 20"Y by 19"Z travel.
- (1) Leadwell MCV-OP, vertical machining center, 18"X by 12"Y by 19"Z
- (1) Kira, KV-5mcs vertical mill machining center CNC Fanuc control, 18 station turret 20"X by 16"Y by 19"Z.
- (1) Hurco, Mod MB-1 controls vertical mill 11" x 24" travel table.
- (1) Haas Tool Room Mill (30"x 12"y 16"z) vertical machining center with Haas controls and a 10 station tool changer.

CONVENTIONAL MILLING, DRILLING AND GRINDING MACHINES

- (3) Bridgeport Series 1, 1 Hp head with digital readout, table travel 42" x 10".
- (4) 8" throat drill press with ½ chuck.
- (2) Bridgeport # 3 rt. Angle attachment with arbor and support.
- (2) Yuasa 12" rotary table with right angle bracket.
- (2) Bridgeport # 2 boring heads.

CONVENTIONAL MILLING, DRILLING AND GRINDING MACHINES (cont.)

- (1) Universal I.D. / O.D. grinder 11" x 32" automatic.
- (1) Boyar-Schultz surface grinder 6" x 18" automatic hydraulic table.
- (1) Proth 12" x 24" surface grinder, automatic hydraulic table.
- (1) Clausing, engine lathe with 15" x 50" steady rest, 10" 3 jaw universal, 10" 4 jaw universal, 8" 6 jaw universal.
- (1) Summit, engine lathe with attachments, 11" x 32" size.
- (1) Hardinge 2nd operation machine.
- (1) Lap Master 15" open face lapping machine

MECHANICAL ASSEMBLY

- (4) Haeger press with auto feed system and complete tooling
- (2) Rivet presenters, 6 rivet guns with mandrel collet.
- (1) Hydraulic Hi-Shear installation machine.
- (1) Cherry installation guns-pneumatic.
- (1) 9" jaw pneumatic squeeze gun.
- (1) 5" jaw pneumatic squeeze gun.
- (1) Avdel Chobert "D" type rivet gun.
- Misc.: Handheld squeeze guns, drills, holders, pop rivet guns, rivet shaver, etc.

ELECTRO-MECHANICAL ASSEMBLY**E.S.D. SAFE CERTIFIED FLOOR**

Electronic testing to customer specifications.

Misc.: Voltage meters, PC's and software for test.

INSPECTION

- (1) FabriVISION, Amada advanced vision inspection machine for first article inspection.
- (1) Brown and Sharp Milstral 775P, 26" x 28" x 18" coordinate measuring machine.
- (1) Micro-Vu-Video measuring system.
- (2) 32" Brown and Sharp Microhite digital read out height gauge 2 dimensional measuring capabilities
- (1) 24" Brown and Sharp Microhite digital height gauge.
- (6) Micro Flat surface plates, ranging in size from 18" x 24" to 48" x 72".
- Misc.: Indicators, holders, bases, etc.

SPECIAL PROCESSES

Wet paint facilities with drying oven

Silk Screening

Welding – certified to Mil-STD-2219.

EFD Ultra TT series liquid dispensing robot

- (1) Sergeant Vaquamaster 1824T vacuum packaging machine