

BRITT METAL PROCESSING INC .
SHOP EQUIPMENT LIST.

Machine Shop

- 2- Haas model VF5 CNC machining center with Haas controls, ATC with 20 tools stations, travels: 50"X, 26"Y, 25"Z.
 - 1- Haas model VF3 CNC machining center with Haas control, ATC with 20 tools station, travel: 40"X, 20"Y, 25"Z.
 - 1- Haas model VF2 CNC machining center with Haas control, ATC with 20 tools station, travel: 30"X, 16"Y, 20"Z.
 - 1- Hitachi Seiki 3 axis CNC machining center with Fanuc 6M control, ATC with 33 tool stations, travel 55"X 23"Y 26"Z.
 - 1- Hitachi Seike 3-axis CNC machining center with Fanuc 6M control. ATC with 20 tool station, travel 41"X, 19"Y, 26".
 - 1- Leadwell MCU-760E 3-axis CNC machining center with Mitsubishi control, ATC with 24 tool stations. travels: 30"X, 20"Y, 24"Z.
 - 1- Haas model SL30 CNC lathe with Haas control, 12 tools turret 26" swing
 - 1- Kiamaster 4NE II. 12 station CNC turret lathe with Fanuc 3T control, 10" chuck, 30" gap bed, 27" swing.
 - 1- Leblond Baron 40. 18 station CNC turret lathe. with Fagor control, 24" swing, 15" chuck, 24" swing and 94" bed.
 - 1- Wacheon model RL-2 CNC lathe with Fanuc OT control, 12" swing and 12 tools station turret.
- NOTE: All CNC Machines are centrally programmed and downloaded to machines.
- 19- Lathes ranging in size up to a 30" swing. all with D R O.
 - 7- Bridgeport type mills with D R O .
 - 1- Kent automatic surface grinder with 24"x10" in. bed.
 - 1- Landis OD grinder 14"X24". capacity.
 - 1- Heald ID grinder 18" capacity.
 - 1- Heald ID Grinder with 24". capacity.
 - 1- J. Rhodes & Sons 8 ft. sheer. with 5/16" capacity.
 - 1- Niagara 8 ft. brake.
 - 1- Amada HA-250 10"X10". automatic horizontal band saw.
 - 1- Jet VBS-400 16". vertical band saw with tilt table.
 - 1- L&J 45 ton punch press.
 - 1- Norton 24. lapping machine.
 - 1- Carolina CMP-1100 press with 40 ton capacity.
 - 1- Hi-Speed nibbling shear with 32" throat.
 - 1- Niagara 36" sheet metal roller.
 - 1- Keckley 20 ton hydraulic press.
 - 1- 12" X 8" Surface plate on turntable (Insp .Grade)
 - 1- Schenck HZBU/CAB 720 Balance machine (Computer controlled with printout-) 24"x 100 LB

capacity.

- 1- Roller bending machine.
- 1- 50HP Gardner Denver rotary screw air compressor.
- 1- 40HP Hydrovane rotary vane air compressor.
- 1- Newgate MDR-600 cold coalescing air dryer.
- 1- White 3 Ton Fork Lift (gasoline)
- 1- Mitsubishi 5 Ton Fork Lift (natural gas)
- 1- Gleason Curvic Coupling machine.
- 1- Dynaflex II -Abrasive Belt Machine (Model 140320)

Spray Shop

- 1- Hobart- TAFE Model 8835 robotic plasma, arc wire, acetylene wire and thermal spray booth with 60" dia. swing. (Two Spray Turntables to cut set-up time).
- 1- 36 cu. ft. industronics vacuum braze oven a .01 micron vacuum capacity and a Lindberg heavy duty control/recorder.
- 1- 9 cu. ft. Industronics vacuum braze oven with a .01 micron vacuum capacity and Computerized control with touch screen and paper chart recorder.
- 1- Blasting booth (silica carbide) 34" x 37" door.
- 1- Blasting booth (aluminum carbide) 35" x 24" door.
- 2- Blast-It -All blasting booth for glass bead with 34"x 32" door.
- 3- Heat treat ovens. electronically controlled.
- 1- Better Engineering (B E) 300 ZX jet washer.
- 1- Spray Booth for hand held Plasma. Arc Wire and Thermal spray (10' x 1.5')
- 1- Dynamation compressed air filter w/CO detector and warning horn to operate with fresh air helmet system.
- 1- Whitecap II (3M) respiratory protector fresh air helmet system for manual spray booth.
- 1- N-Propyl bromide Vapor De-greaser Tank with distillation unit and self contained chiller unit.
- 1- Aluminum and Magnesium conversion coating system.
- 1- Paint Spray Booth (sealed walk in) w/Air Filter.

Weld Shop.

- 6- Tig welders.
- 1- Mig welder.
- 1- Welding glove box 24"x32" capacity- max (12"x24" Evaluation Chamber entrance).
- 1- Spot welder 14" jaw.
- 2- Plasma cutters.

Inspection.

- 1- Sheffield Cordax RS-50 DCC Coordinate Measuring Machine. travels 50x. 50y 35z.
- 1- 2' x 3' Inspection Grade surface plate.
- 1- 12" x 12" surface plate with tool holder (Insp. Grade)
- 1- Wilson Rockwell Tester.
- 1- Wilson Rockwell Superficial Hardness Tester.

1- tool calibration station with all gage blocks necessary to calibrate all company tools. (In-house tool calibration.)

1- Mitsubishi Diaguide Boroscope.

1- Pressure test rig.

1- Fluorescent penetrans inspection booth.

1- Dye penetrans inspection station with forced ventilation.

3 sets of drill indices.

1- Computer generated serviceable tag printer.

1- Federal D-400 air gage.

1- Federal Form Scan 3000 Geometry Gage

1- Magna Flux. Magnetic Particle Machine.

See note after Receiving Inspection equipment list.

Receiving Inspection

1- Sheffield Cordax 1808 DCC Coordinate Measuring Machine, travels 50"x. 30"y. 24"z.

1- 2' x 3. Inspection Grade surface plate.

Note: Both departments have a large assortment of Vernier calipers, ID (rod type), OD and depth micrometers, dial bore and dial test indicators, threaded plug gages, plain ring gages, Pi tapes and loupes of various magnifications.

Shipping Department.

1- Instapak foam-in-place machine.

1- Dickey Scale-Super Cargo 93-4"x4"- 5000 lb. Low Profile Floor Scale.

Engineering and R&D Department.

5- AutoCAD seats.

2- Smart Cam seats.

2- SDRC Ideas Solid Modeling seats.