Manufacturing Capabilities

CNC HORIZONTAL MILLING
1 - MAZAK horizontal FH-480 82.6" x 61.4" x 62.2" X, `I and Z travel, 30 tool magazine capacity
1 - SAEILO MACH 3 horizontal 15.75" x 13.78" x 15.75" X, Y and Z travel, conventional 4th Axis with automatic pellet changer

CNC VERTICAL MILLING
1- 5-AXIS DMU50 Mill Deckel MAHO 15"Wx8"Dx9*H
1- JiaTie JTGK-750i X, Y, Z travel 620" x 750" x 350" 4-Axis indexer
1- JiaTie JTGK-600i X, Y, Z travel 600" x 500" x 300" 28,000 rpm
2- EXCEL 810 with pallet changer systems; Table size, 35.4" x 18.9". 32", 20", 22" X, Y and Z travel, automatic tool changer
1- EXCEL 810 Equipped with a 4th AXIS, Table size, 35.4" x 18.9". 32", 20", 22" X, Y and Z travel, automatic tool changer, includes rotation (4th axis)
1- EXCEL 510 20.1" x 16.2" x 18.1" X, Y and Z machine travel. 27.5" x 16.5" table size
1- EXCEL PMC-5VT20, 27.56" x 16.54" table size. 20.08" x 16.14" x 18.11" X, Y, Z machine travel

CNC LATHES/TURNING
1- Mazak QT 250 lathe 10" chuck, 2.800" thru hole, T64 Mazatrol Fussion control, 1180 IPM rapid
1- QT 20 lathe 10" chuck and a 2.800 thru hole, T+ Mazatrol control
1- QT 28 lathe 12" chuck and a 3.50 thru hole, T32 Mazatrol control 38" between centers for OD work, maximum cutting diameter 12"
1- HTC40 B lathe, 10" chuck and 3.15" thru hole, FANUC Control, 1181 IPM rapid

SHEET METAL FABRICATION PUNCH PRESS
1- 2510 KING FANUC-18 PC control. 31 tool station turret, 22 ton capacity, sheet size 50" x 150", .130" THK SS or .187" THK ALU
2- 255 VIPROS 20 tons capacity 31 station, 3 auto-index ball table thick turret high speed hydraulic CNC punch press. 50" x 100", .130" THK SS or .187" THK ALU
1- PEGA PRINCE 244 fanuc-d system 6 m computer. 18 station turret, 20 ton. Capacity, sheet size 40" x 120" .090" THK SS or .125" ALU

SHEET METAL FABRICATION BRAKES
1- RG 80 80 ton with 93" x 18" NC back gage
2- RG 50 20 ton with 77" x 18" NC back gage
2 -RG 35 35 ton with 45" x 18" NC back gage

SOFTWARE
CATIA, SOLID WORKS, MASTERCAM PROGRAMMING SYSTEMS
Software for CAD, modeling, and 5-axis surfacing and machining for routers

WELDING
1- MILER CP3000 with S-52E 115V
2- Miller Syncrowave 250 gas, Tungsten, arc welders 1 - 330 KVA Spot Welder

INSPECTION EQUIPMENT
1- Mitutoyo QM-M353 with GEO MEASURE 3000 software
4- Brown & Sharpe micro-hites
3- Precision granite tables
Penetrant Inspection
Standard quality inspection instruments, tools and gauges
Handheld micrometers, calipers, and thread gages for both ID and OD inspection

ADDITIONAL SERVICES
1- Bead Roller-GMC BBM-08E
Tool grinder for turret tools
Hardware insertion presses
2- Time savers/wet auto sanders
Horizontal and vertical saws
Knurling, Threading, Engraving
Cable Swaging
Laser Etching

Abrasive Blasting
Proof Load Testing
Precision Inspection Equipment
Prime and Paint
Ink Stamping
Silk-Screen Print
Turn-Key Assembly

Certified for aluminum, T304, SS,1010-1020, CRS steel Mig, tig, and stick THK of .04"-125" certification