

Equipment Type	#	Name	Machining Center Type	Specs	# Tools	RPM	HP	Details	Details
5-Axis Machining	1	MAZAK I700	5-Axis Machining	Ø27.5 x 19H	30	12,000			
5-Axis Machining	1	DOOSAN DVF 6500	5-Axis Machining	25.8" diameter table (20in max piece height)	60	18,000	29.5	110mm to 710mm spindle nose	118nm spindle torque
5-Axis Machining	1	HAAS UMC-750SS	5-Axis Machining	30" x 20" x 20"	30	12,000	30	Integrated Trunnion Table 500mm diameter w 120 and -35 deg tile, 360 rotation	
CNC Vertical Machining	1	KOMO FUSION XL512 ROUTER	Vertical Machining Center	60" x 154" Travel	20	24,000			
CNC Vertical Machining	1	DOOSAN DNM 500 II	Vertical Machining Center	40" x 21" x 20"	20	10,000			
CNC Vertical Machining	1	FANUC T14-A ROBODRILL	Vertical Machining Center	16"x 20"	14	8,000		2,000 IPM Rapid Traverse Rate	
CNC Vertical Machining	3	D2L-IA5 ROBODRILL 32i	Vertical Machining Center	15"x 27.5"	21	10,000		8" Rotary Table (full 4th axis)	
CNC Vertical Machining	1	MAZAK 815-120	Vertical Machining Center	32"x 120" Travel	30	6,000	35	8,000 lbs table load	Extended Height to 37"
CNC Vertical Machining	1	VISION WIDE SF-3116 Bridge Type 3-Axis	Vertical Machining Center	122" x 63" x 31.5" Travel	40	10,000	35/60	22,000 lbs table load	Z-axis Nitrogen assist counter balancer
CNC Horizontal Machining	2	MAZAK FH-6800	Horizontal Machining Center	41 ½" x 31 ½" x 34 ½" Travel	80	10,000	50	Two 25" Pallets with .001 Degree Index	Hi-Pressure Thru Spindle Coolant
CNC Horizontal Machining	1	MAKINO A82	Horizontal Machining Center	42"x31"x34" Travel	60	10,000		Two 25" Pallets full 4th axis	
CNC Horizontal Machining	1	FRYER HR-70	Horizontal Machining Center	70"x 55"" Travel	24	6,000		32" rotary table	
Profile Bending (new 3/25)	1	PBT ARKUS 12 PC400 Profile Bending Machine	Profile Bending						
CNC Turning	1	NAKAMURA TOME TMC-15	CNC Turning Center	8" Dia. x 15" lg. capacity	12	4,500		1 5/8" max. Bar diameter	
CNC Turning	1	MORI-SEIKI SL-150S	CNC Turning Center (with Sub Spindle)	15 HP/Spindle - 1 ¾" Bar Capacity		5,000		Electronic Tool Probe	
CNC Turning	1	MORI-SEIKI SL-7B	CNC Turning Center	35" Swing x 68" Centers		1,100	60	6.3" Through-hole capacity	
Wire EDM	1	FANUC WIRE EDM MACHINE IE-10	WIRE EDM					Table Travels 12.6"x8.7"	Auto Wire Feed Submerged Type Cutting
Fabrication	1	AMADA EMLK 3610NT LASER PUNCH	Laser / Punch Combo	60 x 100 Travel					
Fabrication	1	AMADA EM 3510NT_PUNCH	Punch	48 x 100 Travel					
Fabrication	1	FLOW INTERNATIONAL Dynamic Water Jet	CNC Water Jet	72"x144" Travel 87,000 PSI				Model 020429-1	
Fabrication	2	AMADA Model HDS-8025 Press Brake	Press Brake	8' Bed Length 80 Ton Capacity				w/ AMADA Auto Back Gage	
Fabrication	1	AMADA Model HRB2204 Press Brake	Press Brake	12' Bed Length 224 Ton Capacity				w/ AMADA Auto Back Gage	
Fabrication	1	WISCONSIN Press Brake	Press Brake	12' Bed Length					
Fabrication	1	CINCINNATI POWER SHEAR Model 250	Shear	8' Length 250 Thick Capacity				w/ Shear Control Center	
Fabrication	1	AMADA NOTCHER Model CSHW-220 w/ DRO	Notcher (Sheet Metal)						
Press Forming	1	BECKWOOD 400 - 4 Post Rubber Form	4-Post Rubber Forming Press	48" x 82" Table 300 Ton Capacity					
Press Forming	1	HAYDEN MACHINERY, Model FR 300	Rubber Forming Press	42" x 6" Table 300 Ton Capacity					
Spin Forming	1	LEIFELD SPINNING LATHE, Model PLB-600	Spinner	60" max spin diameter					
Spin Forming	2	LEIFELD SPINNING LATHE, Model PLB-400	Spinner	42" max spin diameter					
Spin Forming	1	THOS FRUIN SPINNING LATHE, Model TF-40	Spinner	18" max spin diameter					
Heat Treating	1	DES PATCH OVEN	Heat Treat Oven						
Heat Treating	1	NEW ENGLAND OVEN, Model 505036 Cab	Heat Treat Oven	50"x50"x36" chamber				45kwDual Temp Control	Chart Recorder
Heat Treating	2	GRIEVE ELECTRIC OVEN, Model 118-1250	Heat Treat Oven	40"x50"x38" Chamber				Dual Temp. Control	
Heat Treating	1	GRIEVE ELECTRIC OVEN	Heat Treat Oven					Dual Temp. Control	
Heat Treating	1	HONEYWELL MINITREND QX DIGITAL DATA RECORDER	Heat Treat Recorder						
Heat Treating	1	PROCESS GLYCOL QUENCH SYSTEM	Quench	AMS-2770				NADCAP CERTIFIED	SIKORSKY AIRCRAFT APPROVAL
Paint Booth	1	KAYCO PAINT BOOTH	Dual Station Paint Booth	Capacity To 16'LG					
Assembly	1	2,000 SQUARE FOOT ASSEMBLY DEPARTMENT	Assembly						
Support Equipment	1	ROMI 16-8 ENGINE LATHE	Engine Lathe	16" dia. x 72" capacity				1 Hardinge Chucker	
Support Equipment	2	BRIDGEPORT SERIES I	Milling Machine	12"x 42" Capacity					
Support Equipment	1	MARVEL PAIO	Automatic Cut-off Saw	10"x14" Capacity					
Support Equipment	1	HARIG	Surface Grinder	6"x18"					
Support Equipment	1	DOALL VERTICAL BAND SAW	Saw	16" Capacity					
Support Equipment	1	ROMI-13-5 ENGINE LATHE	Engine Lathe	13" dia. x 60" Capacity					
Support Equipment	1	MARVEL VERTICAL SAW	Saw						
Quality Control	1	MITUTOYO Series 191	CNC Coordinate Measuring Machine	Measuring Range: X=28", Y=40", Z=24"				P11 Quality Meet A591DOB	CAD Measure Software
Quality Control	1	Hexagon Global	CNC Coordinate Measuring Machine					PCDIMIS Software	
Quality Control (new 12/25)	2	FARO ARM 0060-7FC Quantum X.M - 2.5meter	Mobile Coordinate Measuring Machine	2.5m, 7-axis, Probe-Laser Line FAROBlu xP				PolyWorks Software	Blue Laser
Quality Control (new 10/25)	1	InspecVision P220.35	Planar Measurement System w SurfScan	72" x 48" x 14" inspection area +/- 0.00138				measuring accuracy +/- .35 / 70 µm*	
Welding Equipment	1	Atlas XT200 Rotary Positioner	Rotary Positioner						
Welding Equipment	3	Wilton Power Arm Bench Positioner	Bench Positioner						
Welding Equipment	1	Starret Surface Plate	Surface Plate	36" x 60"					
Welding Equipment	2	Atlas XT100 Rotary Positioner	Rotary Positioner						
Welding Equipment	1	Aronson SC1000	Balance Positioner	1000 pound capacity					
Welding Equipment	1	MILLER DYNASTY GTAW 400	Constant Current AC/DC Welder						
Welding Equipment	3	MILLER DYNASTY GTAW 280	Constant Current AC/DC Welder						
Welding Equipment	1	Miller Millermatic 350P GMAW	Welding Machine					Free Floating	
Welding Equipment	2	Amada ID40ST 80KVA	Resistance Welder						
Welding Equipment	2	Entron WA2 Weld Analyzer	Welding Analyzer						

Welding Equipment	2	Tuffaloy 601-5000DLC Weld Force Gauges	Welding Gauges						
Stretch Forming	1	Hufford A-5 Extrusion Strech Forming Press	Stretch Former	Part size up to 9ft long					
Stretch Forming	1	Custom-Made STRETCH FORMING PRESS (large)	Stretch Former	Part size must fit within - 96L x 40H x 40W					
Stretch Forming	1	Custom-Made STRETCH FORMING PRESS (medium)	Stretch Former	Part size must fit within - 72L X 36H X 24W					
Stretch Forming	1	Custom-Made STRETCH FORMING PRESS (small)	Stretch Former	Part size must fit within - 24L X 20H X 20W					
Deburring	1	TIMESAVER	Wet Deburring						
Deburring (new 1/26)	4	Down Draft Tables	Deburring						
Lab Equipment	1	Olympus S261 Microscope w/ PAXCAM2	Metalluric Lab						
Lab Equipment	1	United Testing Systems STM-100KN	Tensile Testing Machine						
Lab Equipment	1	LECO MSX-205M2	Section Machine						
Lab Equipment	1	LECO PX400 Grinder Polisher	Grinder Polisher						
Lab Equipment	1	LECO MX400 Mounting Press	Mounting Press						