

## Equipment List

1- 5 AXIS CNC VERTICAL MACHINING CENTER	<b>Mazak</b> VariAxis I-700 with Matrix 2 Control, Full 5-Axis Contouring, Travel X 24.8", Y 43.31", Z 23.62" Maximum part length for rotation of axis 33.46", Maximum part weight 1500 lbs., Spindle Cat 40, 18000 RPM, 1000 P.S.I. Coolant, Part Probe and Tool Touch Probe, 40 ATC
7-ENGINE LATHES	<b>Monarchs</b> - 10" Up to 20" Dia. Swing, 36" up to 132" Distance Centers <b>Poreba</b> - 65" Swing in Gap, 53" Swing over Bed, 39" Swing over Cross Slide, 40 ft. Centers, Spindle Indexing, Milling & Grinding Attachments.
7-CNC LATHES	<b>Monarch</b> Ultra-Center, with Fanuc 15TF Control 26" Dia. Swing, 72" Centers, 12" Hyd. Chuck, Live Tooling, Probing and 3" Barfeed Cap <b>Monarch</b> TC 75, with GE 1050 Control 20" Dia. Swing, 78" Centers, 15" Hydraulic Chuck, Chip Conveyor and Steadyrest <b>Monarch</b> 150 Twin Turret Turning Center, with GE 1050 Control 24" Dia. Swing, 60" Centers, 18" Hydraulic Chuck, Chip Conveyor <b>Monarch</b> 150 Twin Turret Turning Center, with Fanuc OTC Control 24" Dia. Swing, 102" Centers, 20" Hydraulic Chuck, Chip Conveyor <b>Mazak</b> INTEGREGX 400Y, Turning & Milling Center, with PC Fusion Control, 24" Dia. Swing, 60" Centers, 15" SMW Hydraulic Chuck <b>Mazak</b> Quick Turn Nexus 350, Turning Center with Maztrol 640T Nexus Controls, 26.8" Swing, 60" Center, 12" SMW Hydraulic Chuck, 6-3/4" Dia. Turn Through Steady Rest. <b>Mazak</b> INTEGREGX 200S IV, Full 5-axis contouring Turning & Milling, Mazatrol Matrix Control, 8" SMW Hydraulic Main & 6" Second Spindle, Collet chucks, 40" between spindles, 26" Dia. Swing, 12,000 RPM Milling Head, 6,000 RPM Spindles
1-CNC MILL	<b>Bridgeport</b> Series I E-Z Trak
3-CNC VERTICAL MACHINING CENTERS	<b>Mazak</b> V-655N VMC, with PC-Fusion CNC 640 Control Travel X 79", Y 25.59", Z 25.59", Table 25.59" X 88.18", Part Probe, TLI, 30 ATC <b>Mazak</b> MTV-515/40N VMC, W/PC Fusion CNC 640 Control Travel X 41", Y 20", Z 22", Table 21" X 50", Part Probe TLI, 30 ATC <b>Mazak</b> VCN 700E-II, Matrix Nexus Control, Travel X 80", Y 27.6", Z 28.4", Table 27.5" x 80", Part Probe, Tool Probe, 40 ATC, 12" CNC Rotary Table (4 <sup>th</sup> Axis) with Tailstock, Max part weight 5500 lbs, 6000 RPM Cat 50 Spindle
1-WIRE EDM	<b>Charmille</b> Robofil 400 4 Axis Submerged Machining, Travel X 17.7", Y 12.6", Z 7.90", U 1.97", V 1.97"
1-VERTICAL MILLING MACHINE	<b>Bridgeport</b> , 9" X 48" Table, with Digital Readout
1-HORIZONTAL BORING MILL	<b>3" Gidding &amp; Lewis</b> with 24" Bar Travel, 48" Vertical Travel, 36" X 72" Table, 42" Cross Travel, 108" Bed with 60" Travel, with Digital Readout
1-CYLINDRICAL GRINDER	<b>Landis</b> 3RH 24" Dia. Swing X 72" Distance Between Centers with I.D. Attachment
2-SURFACE GRINDERS	<b>Mattison</b> 14" X 16" X 60" Cap. <b>Gallmeyer &amp; Livingston</b> Model 373, 12" X 18" X 24"
1-TOOL & CUTTER GRINDER	<b>Cincinnati Monoset</b> , Tool & Cutter Grinder with Attachments
2-SAWS	<b>Marvel</b> #8 Vertical Bandsaw - 18" Capacity <b>Hem Saw</b> - Horizontal Automatic - 16" X 16" Capacity
1-KEYSEATER	<b>Davis</b> , Keyway Cap. 1/16" to 1 1/2", Throat 19" - Height of Work 12", Length of Cut 18" with Attachments
1-HONE	<b>Sunnen</b> , Model MBB-1660, Cap. I.D. .060 to 6.5" O. D. .230 to 4.5"
3-DEEPHOLE DRILLS	3/16" to 1" Max. Drill Dia. X 60" Drilling Depth, 13/16" to 4" Max. Drill Dia. X 55" Drilling Depth, 7" Max. Work Piece Dia.
4-WELDING MACHINES	ARC, TIG 300 amp, MIG 650 amp
2-BUILDINGS	40,000 Sq. Ft. with Truck Well
QUALITY ASSURANCE	<b>Zeiss</b> Coordinate Measuring Machine – Manual 3-Axis <b>Zeiss</b> Coordinate Measuring Machine – Scanning 5-Axis <b>Wilson</b> , Bench Type Rockwell Hardness Tester & Portable Rockwell Hardness Tester <b>Gage Blocks &amp; Gage Pins</b>