



EQUIPMENT LIST

<u>Equipment Type</u>	<u>Qty</u>	<u>Manufacturer</u>	<u>Description</u>	<u>Machine Capacity</u>
MILL - TURN	1	MAZAK - 8 axis	Multiplex 6200-11 Y	24 tools 8-10" 16"
	1	MAZAK - 6 axis	MultiPlex 610N twin spindle with Gantry Robot	7.87"X 12"
LATHE - CNC	2	Okuma	Genos L300M-e, multifunctional CNC lathe with sub-spindle	9.25"X18.11"Z
	1	Tsugami - 5 axis	S205 CNC 5 axis Swiss Style Lathe, bar feeder	20mm max part
	1	Tsugami - 6 axis	S0326-III CNC 6 axis Swiss Style Lathe, bar feeder	32mm max part
	1	DAEWOO	PUMA 250S	9.05"X 26.7"Z
	1	HYUNDAI	HIT 18	10.63"X19.68"Z
	1	MAZAK	QT10	12"X 15"Z
	1	MAZAK	Super QT 200M	14"X 20"Z
	1	NAKAMURA-TOME	Slant 1	12"X 12"Z
LATHE - MANUAL	1	Daewoo 3500	Puma 350	14.25"X 43.5"Z
	1	CLAUSING	Tool room	10" x 48"
LATHE - MANUAL	1	COLCHESTER	Engine	15" x 60"
	1	FEELER	Turret	6" x 24"
	7	HARDINGE	Super precision tool room	10" X 36"
	1	HARDINGE	Turret	6" x 24"
	1	TAKASAWA	Tool room	14" x 48"
CNC Horizontal Mill:	1	MAKINO - MMC2 Pallet Stocker	(4) A61nx CNC Horizontal Mills ATC 560 tools44 pallets	29"X 26"Y 29"Z
	1	MAZAK PALLETECH MFG CEL	(2) FH5800 CNC Horizontal Mills ATC 360 tools32 Pallets	28"X 24"Y 26"Z
	1	MAZAK PALLETECH MFG CEL	(3) FH4800 CNC Horizontal Mills ATC 360 tools20 Pallets	22"X 24"Y 24"Z
	1	MAZAK PALLETECH MFG CEL	(3) FH480 CNC Horizontal Mills ATC 360 tools18 Pallets	22"X 24"Y 24"Z
	1	MATSUURA	MAM500HG	16"X 14.8"Y 14.8"Z
	2	MAZAK	HTC400	ATC 30 tools 2 Pallets 20"X 20"Y 20"Z
	1	DAEWOO	DMH400	ATC 60 tools 2 Pallets 23.6"X 22"Y 22"Z
	1	MAZAK	FH4000	ATC 40 tools 2 Pallets 22"X 20"Y 25"Z
	1	MAZAK	H400N	ATC 30 tools 2 Pallets 22"X 18"Y 20"Z
	2	MAZAK	NEXUS 5000	ATC 120 tools2 Pallets 29"X 29"Y 29"Z
	1	MAZAK	4000-II	ATC 60 tools 2 pallets 400mm
	CNC Vertical Mills	1	HAAS	VF4
2		HAAS	VF5	ATC 32 tools 50"X 26"Y 25"Z
1		HAAS	VF5/50	ATC 30 tools 50"X 26"Y 25"Z
1		MAZAK	VTC-20B	ATC 24 tools Dual Rotar 44.09"X 20.08"Y 20.8"Z
1		HAAS - 5 axis	VF3SSYT-TRT210 - 5 axis	ATC 30 tools 40"X 26"Y 25"Z
1		HAAS	VF3SSYT	ATC 30 tools 40"X 26"Y 25"Z
1		HAAS	VF5SS	ATC 30 tools 50"X 26"Y 25"Z
MILLS-MANUAL	9	BRIDGEPORT	Vertical with power feeds	
PUNCH PRESS	1	TRUMPF 2020	1,500 punches/minute 19-190 tools	
PRESS BRAKE	1	Amada	80 Ton, 6-1/2" Max Flange Depth	8 ft long
	1	Trumpf TruBend 5170	170 ton, 6 axis CNC	10ft long
LASER CUTTING	1	MAZAK	New Turbo X-48 3000 Watt CO ₂	98"X 49"Y .5"Z
3D Printer	1	Crealty Micro Swiss	Bondtech	
INSPECTION	2	Zeiss Contura CMM	Full Scanning, 0.5µm (.00002") resolution.	39.3" X 27.5" Y 23.5"Z
	1	OGP	Optical Measuring System	
	1	OGP	Optical Measuring System, TurnCheck 6.3 for cylindrical parts	
	1	SHEFFIELD CORDAX	1000 coordinate measuring machine	24"X 18"Y 16"Z
	1	SHEFFIELD CORDAX	1808 computerized CMM with retrofit vision	29"X 25"Y 18"Z
	1	JONES & LAMSON	Epic 120 optical comparator	
GRINDERS	1	SURTRONIC 3	Electronic surface finish tester	
	1	COVEL	Surface	6" x 12"
	1	HARIG 618W	Auto surface with Opti-Dress	8" x 18"
HONE	1	OKOMOTO	Surface	20" x 60"
	1	SUNNEN	Horizontal MBB-1660	0.375"-6" Diameter x 12"
SAWING	1	MARVEL SERIES	Series V10A automatic feed vertical band saw	
	1	POWERMATIC	Model 87 band saw	
	1	HE & M	H101-A1 automatic feed horizontal band saw	
WELDING	2	300A Miller Syncrowave	300A GTAW Machine with High Frequency	
	3	200A DX Miller Dynasty	Inverter GTAW machines	
	3	302A Miller DeltaWelds	GMAW machines	
	1	250KVA Banner	Mid-frequency RSW	
	1	Lincoln 300 PowerMig	Multipress welder	
	1	50 KVA Banner	RSW	
SOFTWARE	2		Ultrasonic Welders	
	4	Mastercam	3D CAD CAM Software	
SOFTWARE	1	Made 2 Manage	ERP System	
	1	VMS Factory	Visual Method Sheet Software	
	1	Wind Chill	PLM Software	
	1	Auto Desk	Engineering software	
NETWORK-CNC	1	PREDATOR DNC	Networked shop floor for automation of DNC file transfer	