



**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	EMCO	Emco Turn 425 4 spindle,2 turret, dual bar feeder	2.95"X 7.48"Z
	1	HYUNDIA	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
	1	Daewoo 3500	Puma 350	14.25"X 43.5"Z
LATHE - MANUAL	1	CLAUSING	Tool room	10" x 48"
	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 tools 44 pallets	29"X 26"Y 29"Z
	1	MAZAK PALLETECH MFG CEL	(2) FH5800 CNC Horizontal Mills ATC 360 tools 32 Pallets	28"X 24"Y 26"Z
	1	MAZAK PALLETECH MFG CEL	(3) FH4800 CNC Horizontal Mills ATC 360 tools 20 Pallets	22"X 24"Y 24"Z
	1	MAZAK PALLETECH MFG CEL	(3) FH4800 CNC Horizontal Mills ATC 360 tools 18 Pallets	22"X 24"Y 24"Z
	1	MATSUURA	MAM500HG ATC 120 tools 11 Pallets	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 tools 2 Pallets	29"X 29"Y 29"Z
	1	MAZAK	4000-II ATC 60 tools 2 pallets	400mm
CNC Vertical Mills	1	HAAS	VF4 ATC 20 tools	50"X 20"Y 25"Z
	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	44.09"X 20.08"Y 20.8"Z
	1	FADAL	4020 ATC 30 tools	40"X 20"Y 28"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,	98" X 49"Y .5"Z
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	
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	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	
1	SURTRONIC 3	Electronic surface finish tester		
GRINDERS	1	COVEL	Surface	6" x 12"
	1	HARIG 618W	Auto surface with Opti-Dress	8" x 18"
	1	OKOMOTO	Surface	20" x 60"
HONE	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	
2		Ultrasonic Welders		
SOFTWARE	4	Mastercam	3D CAD CAM 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	