



EQUIPMENT LIST

Vertical Milling	X	Y	Z	Spindle	CNC	Capabilities
Mazak VMC FJV-60/80	80"	60"	26"	#50	Y	Renishaw probe, auto tool length measure, high pressure thru spindle coolant, thru air
Mazak 510C	51.18"	24"	22.4"	#40	Y	12K RPM, Renishaw Probe, auto tool length measure, thru spindle coolant, thru air
Mazak Variaxis 630-5X	24.8"	30.12"	20.08"	#40	Y	Full 5 axis rotary, Renishaw probe, auto tool length measure, thru spindle air/coolant, 40 tool magazine, 12K RPM spindle, A axis .001 degree positioning to 120 degrees +30 degrees, C axis 360,000 degrees
Mazak 700E	80"	27.56"	33.07"	#50	Y	6K RPM, 30HP spindle, Renishaw Probe with auto tool measure
Mazak VTC-20B	44"	20"	20"	#40	Y	4th Axis, auto tool measure, 7K RPM spindle
Mazak VTC-200B	44"	20"	20"	#40	Y	10K RPM spindle, thru air, thru coolant, Renishaw probe, auto tool measure
Mazak VTC-200B	44"	20"	20"	#40	Y	10K RPM spindle, thru air, thru coolant, Renishaw probe, auto tool measure
Mazak VTC-200C	65.35"	20"	20"	#40	Y	Renishaw probe, 10K RPM spindle, Auto tool measure, full 4th axis
Bridgeport EZ TRAK DX	36"	8"	12"	#40	N	

Horizontal Milling and Boring	X	Y	Z	Spindle	CNC	Capabilities
Mazak FH 6800	41"	31"	34"	#50	Y	7K RPM, 30HP spindle, Renishaw probe, auto too measure, Renishaw inspection plus software, 120 tool changer, dual pallet changer
Vanguard	62"	48"	55"	#50	N	43" x 48" built in power rotary table, 8-1100 RPM spindle speeds
Kuraki KBT-112	98.42"	70.86"	47.24"	#50	Y	55" x 69" table size, 16,500 lbs. table load capacity, 30 HP
Toshiba BT 10 BR3PD	70"	56"	64"	#50	N	63" x 55" table, 30HP

Turning Lathes	Chuck OD	L	Steady Rest	CNC	Capabilities
Mazak QT 250	10"	39"	N	Y	Smooth G control, 4K RPM, programmable tailstock, re-threading option
Mazak QT 250MY	8"	18"	N	Y	Live Tooling, 4K RPM main spindle, 4K RPM milling spindle, programmable tailstock
Mazak QT Nexus 350-2	12"	80"	Y	Y	3300 RPM spindle, programmable tailstock, re-threading option
Clausing	16"	80"	Y	N	
Southbend	10"	40"	Y	N	

O.D. & ID Grinding	OD	L
Elliott OD	10"	74"
Norton OD	12"	60"
Sonnen Hone ID 2.5"		5"

Surface Grind	OD	L	W
Blanchard	40"		
Kent		24"	12"

Weld (Steel, stainless, alum)	Type
Miller 350P	MIG
Linde VI-400	MIG, TIG
Miller 2500X	TIG
Lincoln JR35-325	MIG

Saws	Size
Horizontal – Marvel	10" round, 10"x12" rectangle
Vertical – Grob	
Mitre – Ellis	

Key Seater	Range*	Length
Mitts & Merrill	.12-.75"	12"
	6-20mm	

*Manual broach available for smaller

Surface Treatments	L	W	H
Trinco – Glass blast	36"	20"	20"
Cyclone – Sand blast	58"	32"	24"

Inspection	
Fowler-Trimos Digital HT Gage	20" travel
Vermont Optical Comparator	12" x 8"

Software
Mastercam 2022
MazaCam Geopath 2D