

CNC MILLING MACHINES



MACHINE NAME	CAPACITIES
MAKINO A61NX (5 AXIS) x3	12,000 RPM, X: 28.7", Y: 25.6", Z: 28.7"
MAKINO DA300 (5 AXIS) x2	20,000 RPM, X: 17", Y: 25", Z: 19"
MAKINO N2-5XA (5 AXIS)	20,000 RPM, X: 11.81", Y: 11.81", Z: 9.06"
HAAS EC1600ZT (5 AXIS)	10,000 RPM, X:64", Y:50", Z:40"
MAKINO PS105 (4 AXIS)	14,000 RPM, X: 41.3", Y: 20", Z: 18.1"
OKK VP400 HSK 63 (4 AXIS)	20,000 RPM, X: 23.5", Y: 16", Z: 18"
OKK VM53R (4 AXIS)	12,000 RPM, X:41", Y:21", Z:20"
OKK VP 600 (4 AXIS)	20,000 RPM, X: 44", Y: 22", Z: 30"
OKK PCV40 (4 AXIS)	6000 RPM, X: 21", Y: 16", Z: 20"
OKK MCV660 (4 AXIS)	4500 RPM, X: 56", Y: 26", Z: 25"
OKK PCV55 (4 AXIS)	13,000 RPM, X: 40", Y: 22", Z: 20"
DOOSAN DNM4000 (4 AXIS)	12,000 RPM, X: 20", Y: 16", Z: 20"
OKK PCV55 (3 AXIS)	10,000RPM, X:40", Y:22", Z: 20"
OKK MCV820 (3 AXIS)	4,000 RPM, X: 62", Y: 32", Z: 32"
FADAL VMC 15 (3 AXIS)	7,500 RPM, X: 20", Y: 16", Z: 15"
FADAL VMC 4020 (3 AXIS)	8,000 RPM, X: 40", Y: 20", Z: 20"
MAKINO SNC64 (3 AXIS)	20,000 RPM, X: 24", Y: 16", Z: 16"
MAKINO F5 (3 AXIS)	20,000 RPM, X: 35", Y: 19", Z: 17"

LATHES

MACHINE NAME	CAPACITIES
HAAS TL1 (2 AXIS)	1,800 RPM, 9" Swing, Z:28.5", X:16", Thru Bore: 2.25"
HAAS TL3B (2 AXIS)	600 RPM, 17" Swing, Z:57", X:32", Thru Bore: 8.5"
OKUMA LB2000 (MULTI-AXIS)	6,000 RPM, 6,000 RPM Milling Spindle, 2.44" Thru Bore, 10" Swing
OKUMA LB3000 (MULTI-AXIS)	3,500 RPM (M), 6000RPM (S), 6,000 RPM Milling Spindle, 3.94" Thru Bore, 13" Swing, Subspindle
OKUMA LB4000 (2 AXIS)	1,200 RPM, Through Bore: 7.1", 18" Swing, Steady Rest: Min-2.5", Max-11"
DOOSAN LYNX 2100LB (2 AXIS)	4,500 RPM, Through Bore: 2.68", 14" Max Diameter By 21" Long



EDM MACHINES

MACHINE NAME	CAPACITIES
MAKINO EDNC6 (SINK) x2	X: 25.6", Y: 17.7", Z: 19.7"
MAKINO EDAF3 (SINK)	X: 17.7", Y: 13.8", Z: 13.8"
MAKINO EDAF2 (SINK)	X: 13.8", Y: 9.8", Z: 9.8"
MANUAL EDM SINKER	X: 16.5", Y: 12.5", Z: 9.9"
AGIE EDM HOLE DRILL	X: 11.90", Y: 8.00", Z: 10.875"
MAKINO U6HEAT WIRE x2	X: 25.6", Y: 17.7", Z: 16.5"
MAKINO SP43 WIRE x2	X: 17.8", Y: 11.8", Z: 12.6"



CNC GUN DRILL

MACHINE NAME	CAPACITY
HONG JI ST1000 (GUN-DRILL)	X: 20", Y: 13.75", Drilling Depth 39.5", Max Hole Size 1"



MANUAL MACHINES

MACHINE NAME	CAPACITIES
BRIDGEPORT (BRIDGEPORT)	X: 24", Y: 11", Z: 13"
CHEVALIER (Surface Grinder)	Mag Chuck 6"X17.75", Z: 12.5"
JONES SHIPMAN (Surface Grinder)	Mag Chuck 7.75"X23.75", Z: 10.5"
NU-WAY (Surface Grinder)	Mag Chuck 12"X24", Z: 16"
DMTG (Large Manual Lathe)	1,200 RPM, 16" Swing, 4.125" Thru Bore
SPECTRA BAND-SAW	18"X18"
RAM BAND-SAW	7"(high) X 16"(wide)



METROLOGY MACHINES & EQUIPMENT

MACHINE NAME	CAPACITIES
HEXAGON GLOBAL S CHROME x2	X: 1200mm, Y: 2200mm, Z: 1000mm
HEXAGON GLOBAL PERFORMANCE	X: 900mm, Y: 1200mm, Z: 800mm
HEXAGON OPTIV PERFORMANCE 443 DUAL Z VISION+ MULTISENSOR CMM	X: 400mm, Y: 400mm, Z: 300mm
CREAFORM HANDYSCAN LASER SCANNER	Accuracy: 0.025 mm (0.0009 in) Part size range: 0.05 – 4 m (0.15 –13 ft)



SOFTWARE

Mastercam

- MASTERCAM LATHE (4 SEATS)

- MASTERCAM MILL 3D (10 SEATS)

- MASTERCAM WIRE EDM (1 SEAT)

- MASTERCAM MILL-TURN LATHE ENVIRONMENT (1 SEAT)

- MASTERCAM MULTIAXIS (2 SEATS)

- MASTERCAM NESTING (2 SEATS)

- MASTERCAM SIMPLE MILL-TURN (4 SEATS)

- RENISHAW PRODUCTIVITY+ (1 SEAT)

PowerMill

- AUTODESK POWERMILL PREMIUM (2 SEATS)

- AUTODESK POWERSHAPE (1 SEAT)

SOLIDWORKS

- SOLIDWORKS CAM STANDARD

- SOLIDWORKS INSPECTION STANDARD

- SOLIDWORKS PDM STANDARD

- SOLIDWORKS PREMIUM

- SOLIDWORKS STANDARD

- SOLIDWORKS VISUALIZE STANDARD

HEXAGON

PC-DMIS CAD ++

