

## Machines

Type	Brand	Model	Spec	Qty
Turning-Milling Complex Machine	Moriseiki	MT2000α1SZ	Chuck Size 10"/ 8" Maximum Swing / Turn Diameter 33.4" / 21.6" Spindle Bore / Bar Capacity 2.9" / 2.5" Max Machining Length 40" Spindle Speed 4500 RPM Milling Speed 8000 RPM Sub-Spindle 6000 RPM	1
Turning-Milling Complex Machine	Moriseiki	NT4200DCG/1000SZ	Chuck Size 10"/8" Bar Capacity ø 65mm Max. Machine Length 1,596mm Max. Turning Diameter ø 600mm Spindle : 5,000 RPM Sub-spindle: 5,000 RPM Milling Spindle: 12,000 RPM	1
Turning Machine with Y-axis	Moriseiki	NL2500SY/700	Chuck Size 10"/6" Max Turning Dia/Standard Turning Dia 14.0"/10.8" Max Turning Length 27.7" X/Y/Z Travels: 10.2"/31.3"/3.9" B Axis Travel - Subspindle 28.9" C Axis Movement: Both Spindles 0.001 Degree Full C Spindle Bore / Bar Cap.: 3.6" / 3.1" Spindle Speed 4,000 RPM Subspindle Speed: 6,000 RPM Rotary Speed: 6,000 RPM	4
Turning Machine	Moriseiki	NL2500/700	Chuck Size: 10" Maximum Swing: 36.4" Maximum Turning Diameter: 14.0" Maximum Spindle Speed: 4,000 RPM Bar Working Capacity: 3.1" Travel X/Z: 10.2"/23.2"	2

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Type	Brand	Model	Spec	Qty
Turning Machine	Takizawa	NEX-108	Chuck Size: 8" Maximum Turning Diameter: 320mm Maximum Spindle Speed: 4,000 RPM Bar Working Capacity: 52mm Travel X/Z: 180mm/350mm	2
Turning Machine	Liouy Hsing	CNC-20L	Chuck Size: 8" Maximum Turning Diameter: 330mm Maximum Spindle Speed: 3,500 RPM Bar Working Capacity: 52mm Travel X/Z: 165mm/540mm	2
Turning Machine	Liouy Hsing	CNC-200LN	Chuck Size: 8" Maximum Turning Diameter: 388mm Maximum Spindle Speed: 4,500 RPM Bar Working Capacity: 65mm Travel X/Z: 228mm/628mm	2
Turning Machine	Takizawa	TC-2	Chuck Size: 8" Maximum Turning Diameter: 388mm Maximum Spindle Speed: 3,000 RPM Bar Working Capacity: 50mm Travel X/Z: 228mm/628mm	5
Turning Machine	Takizawa	TC-20	Chuck Size: 8" Maximum Turning Diameter: 388mm Maximum Spindle Speed: 3,000 RPM Bar Working Capacity: 50mm Travel X/Z: 228mm/628mm	1

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Type	Brand	Model	Spec	Qty
Vertical M/C	Moriseiki	NV4000DCG	X/Y/Z travels: 600mm/400 mm/400 mm Table dimensions: 750 mm X 450 mm Spindle Speed: 12,000 rpm	1
Vertical M/C	YCM	FV102A	Spindle Speed: 10,000 rpm X/Y/Z Travels: 1,020mm/520mm/540mm Table Size: 1,000mm x 480mm	1
Vertical M/C	WELE	VQ-1060	Spindle Speed: 10,000 rpm X/Y/Z Travels: 1,020mm/600mm/600mm Table Size: 1,150mm x 600mm	2
CNC Universal Cylindrical Grinding Machine	Studer	S31	Max. OD: 300mm Max. ID: 300mm Max. Length: 500mm Resolution: 0.0001mm	5
Central Hole Grinder	BANNO	SCGM-500A	Max Length: 500mm Max Diameter: 180mm Tail Travel: 50mm	2
Tool Dynamic	Haimer	Economic Plus		2
Laser Engraving Maching	Easylight			2

## Inspection Equipments

Type	Brand	Model	Spec	Qty
CMM	Brown & Sharpe	Global Image 7 10 7	Measuring range: X-Axis: 1000mm Y-Axis: 700mm Z-Axis: 650mm Accuracy: 2.2 + L/333 μm	1
CMM	Leitz	Reference 10.7.6	Measuring range: X-Axis: 1000 mm Y-Axis: 700mm Z-Axis: 600mm Accuracy: 0.9 + L/350 μm	1
Hardness Tester	Future Tech	FR-1eA		1
Hardness Tester	Future Tech	FR-3E		1
Micro Hardness Tester	Future Tech	FM-100e		1
Projector	JC Image		X/Y: 200mm/100mm Resolution: 0.001mm	1
Roughness Tester	Mitutoyo	SJ-401	X: 25mm Z: 800μm, 80μm, 8μm	1
Metallographic microscope	OLYMPUS	BX-51M		1
Height Gauge	Tesa	Micro-Hite 600	Z:600mm Resolution: 0.0001mm	1
Thermo Grip	Bilz	ISG2-200WK		1