



LJ ENGINEERING PRIMARY MACHINE LIST

1. Milling Machines

Description	Qty.	# Axis	Travel Limits		
			X	Y	Z
Matsurra H.Plus 405 CNC Horizontal Machining Center with (P26 Pallet System & 2 Load/Unload Stations)	2	4	23.50	23.50	23.50
Toyoda CNC Horizontal Spindle Machining Center	1	4	53.00"	45.00"	45.40"
Mitsui Seiki CNC Horizontal Spindle Machining Center	1	4	47.00"	35.00"	35.40"
Excel 400 CNC Horizontal Spindle Machining Center	3	4	24.00"	17.70"	20.00"
Haas VF4 CNC Vertical Machining Center	5	5	50.00"	20.00"	25.00"
Haas VF2 CNC Vertical Machining Center)	2	3	30.00"	16.00"	20.00"
Kiwa 810 CNC Vertical Machining Center	3	3	31.28"	20.10"	22.00"
Kiwa 510 CNC Vertical Machining Center	7	3	20.10"	16.17"	18.11"
Bridgeport EZ-Trak Programmable Mill	4	3	48.00"	18.00"	18.50"
Bridgeport Manual Mill	5	3	48.00"	18.00"	18.50"

2. Lathes

Description	Quantity	Max Diameter	Max Length
Mori Seiki NL2500SY (with live tooling and barfeed)	1	14.00	20.50
Nakamura SC-250 (with live tooling and barfeed)	1	11.80	19.70
Nakamura Slant 4 CNC Lathe	3	33.86"	21.65"
Nakamura Slant 3 CNC Lathe	1	16.50"	21.65"
Nakamura SC300	1	13.77	23.60
Takisawa EX 110	2	15.75	28.00
Mori Seiki CL-20 CNC Lathe	2	10.50"	17.00"
Mori Seiki CL 25 CNC Chucker	1	17.70	18.50
Hardinge Manual Chucker	4	12.00"	8.00"
Hwacheon Manual Lathe	2	28.00"	72.00"
Mori Seiki Manual Lathe	1	10.00	84.00
Hardinge Tool Room Lathe	1	8.00	18.00

3. Inspection Equipment

Description
Mitutoyo CMM CNC/DCC Crysta 9166 with: <ul style="list-style-type: none">▪ MCOSMOS & MiCAT Software;▪ PROBE Rack;▪ Capable of “OFFLINE Programming” generated from Customer supplied CAD File; and▪ SPC Capabilities using MeasureLink Software.
2 (Two) Mitutoyo CMM CNC/DCC Crysta Apex 574 with: <ul style="list-style-type: none">▪ MCOSMOS Software;▪ PROBE Rack; and▪ SPC Capabilities using MeasureLink Software.
Mitutoyo CMM CNC/DCC BHN706 with GeoPak 2100 Software.
Mitutoyo Programmable Profilometer/SurfTest SV-200.
Starrett Optical Comparator w/ Quadra Check 200 Digital Readout.