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HORIZONTAL MILLING CELLS

QTY	MAKE	MODEL	X"	Y"	Z"	HP	SPINDLE SPEED (RPM)	TOOL TAPER	TOOL MAGAZINE	PALLETS	ACCESSORIES
5	Makino	A51 Horizontal Machining Center	22	25	23.6	30	14,000	40	135-315	66 (400MM)	1000 PSI Thru Tool Coolant, Glass Scales
2	Makino	A51 Horizontal Machining Center	22	25	23.6	30	14,000	40	218	22 (400MM)	1000 PSI Thru Tool Coolant, Glass Scales
4	Makino	A61NX Horizontal Machining Center	28.7	25.6	31.5	30	14,000	40	135-218	50 (500MM)	1000 PSI Thru Tool Coolant, Glass Scales
3	Makino	A61NX Horizontal Machining Center	28.7	25.6	31.5	30	14,000	40	218	36 (500MM)	1000 PSI Thru Tool Coolant, Glass Scales
1	Mori Seiki	NHX5000 Gen2 Horizontal Machining Center	28.7	28.7	34.6	50	20,000	40	280	5 (500MM)	1000 PSI Thru Tool Coolant
2	OKK	HM50 Horizontal Machining Centers	22	22	22	20	10,000	40	40-80	2 (400MM)	

VERTICAL MILLING CENTERS

QTY	MAKE	MODEL	X"	Y"	Z"	HP	SPINDLE SPEED (RPM)	TOOL TAPER	TOOL MAGAZINE	PALLETS	ACCESSORIES
2	YCM	NSV102AA	40"	23"	23"		15,000	40	30	2	
1	YCM	NXV1680A	64"	30"	27"		12,000	40	30		
1	Makino	S56 Vertical Machining Center	35.4	19.7	17.7	20	13,000	40	30		
1	Mori Seiki	NV4000 Vertical Machining Center	23.6	15.7	15.7	20	12,000	40	40	2	Laser Tool Setting
1	Okuma	MB46 Vertical Machining Center	30	18	18	15	12,000	40	30		Glass Scales
2	Haas	VF-4 Vertical Machining Centers	50	20	20	15	7,500	40	20		
2	Haas	VF-6 Vertical Machining Center	60	32	32	20	7,500	40	24		4th Axis
1	Fadal	6030 Vertical Machining Center	60	30	30	20	10,000	40	20		
2	Brother	TC-22A Vertical Machining Centers	19.6	15.7	16.1	15	12,000	30	20		

TURNING CENTERS

QTY	MAKE	MODEL	X"	Y"	Z"	LIVE TURRET STATIONS	MAX TURN DIAMETER	MAX TURN LENGTH	SUB-SPINDLE	BAR FEEDER	ACCESSORIES
1	Okuma	L370MW Turning Center	10.23			12	13.38"	19.68"	Yes	2" x 6'	
1	Okuma	L370M Turning Centers	10.23			12	13.38"	19.68"	No	2" x 6'	
2	Mori Seiki	NL2500SY Turning Center	10.2	3.9		12	14.4"	27.7"	No	2" x 6'	

SWISS TURNING CENTERS

QTY	MAKE	MODEL	AXIS	MAX TURN LENGTH	MAX TURN DIAMETER	SPINDLE SPEED (RPM)	SUB SPINDLE	TOOL POSITIONS	ACCESSORIES
1	Tsugami	S206	6	9.84" (210mm)	0.787" (20mm)	12,000 RPM	Yes (X, Y)	Static: 39 Live: 15	Magazine Bar Loader
1	Tsugami	BO326	6	12.99" (330mm)	1.260" (32mm)	12,000 RPM	Yes (X, Y)	Static: 39 Live: 15	Magazine Bar Loader

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EDM

QTY	MAKE	MODEL	X"	Y"	Z"	
1	Fanuc	Robocut	14	10	10	

LASER MARKING

QTY	MAKE	MODEL	X"	Y"	Z"	POWER	MAX MARKING	ACCESSORIES
2	Laser Marking Tech.	Cobalt XL 20PF	51	34	44	30W	4.33" x 4.33"	Programmable Z and X Axis
1	Laser Marking Tech.	Cobalt - Dominator	14	25	12	10W	4.33" x 4.33"	

LAPPING

QTY	MAKE	MODEL	LAPPING PLATE DIMENSIONS
1	Wolters	36	36" O.D. x 6.75" I.D

HONING

QTY	MAKE	MODEL	BORE DIAMETER	BORE LENGTH
1	Sunnen	SSH1680D	.118-2.36"	9.84" (Max)

JIG BORER MILL

QTY	MAKE	MODEL	X"	Y"	Z"	ACCESSORIES
1	SIP	52 CNC Jig Borer	24	36	37	Boring Bars up to 8" Diameter, Diamond Fly Cutters

INSPECTION

QTY	MAKE	MODEL	X"	Y"	Z"	CONTROLS	ACCESSORIES
1	Brown & Sharp	Advantage DCC CMM	32	48	24	PC-DIMS	LSPX1-S Analog Scanning Probe, Auto Probe Changer
5	Brown & Sharp	Global FX DCC CMM	27	39	24	PC-DIMS	TP20 Touch Trigger Probe, Renishaw PH10T Head, Auto Probe Changer
1	Brown & Sharp	Micro-Hite DCC CMM	18	20	13.5	PC-DIMS	Tesastar Touch Trigger Probe with Star Stylus Clusters
1	Brown & Sharp	Reflex CMM	18	20	13.5	Manual	
1	Brown & Sharp	Gage 2000 CMM	18	20	13.5	Manual	
1	Hexagon	Tempo CMM Robot					Automated Part Loading System
1	Micro Vu	Excel 662HC	35.5"	27"	10"		

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