

EQUIPMENT LIST

CNC MILLING

#	MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL	AXIS	A AXIS TRAVEL (DEG)	B or C AXIS TRAVEL (DEG)	SPDL	RPM	HP	TOOL CPTY
1	MAKINO	MAG-3-EX	157.5" X 59.1" X 39.4"	59.0" X 137.0"	MAKINO	5	NA	360	1	33000	107	120
2	MAKINO	MAG-1	59.8" X 43.3" X 53.1"	31.5 X 39.4"	MAKINO	5	NA	360	1	33000	107	120
3	MAKINO	MAG-1	59.8" X 43.3" X 53.1"	31.5 X 39.4"	MAKINO	5	NA	360	1	33000	107	120
4	MAKINO	MAG-1	59.8" X 43.3" X 53.1"	31.5 X 39.4"	MAKINO	5	NA	360	1	33000	107	120
5	MAKINO	A51	22" X 22" X 18"	24" X 24"	MAKINO	4	NA	360	1	14000	30	208
6	MAKINO	A51	22" X 22" X 18"	24" X 24"	MAKINO	4	NA	360	1	14000	30	208
7	MAKINO	A51	22" X 22" X 18"	24" X 24"	MAKINO	4	NA	360	1	14000	30	208
8	MAKINO	A77	32" X 30" X 30"	36" X 36"	MAKINO	4	NA	360	1	18000	30	138
9	CINCINNATI	GANTRY	48FT. X 14FT. X 32"	48' X 16'	PC2100	5	25	25	1	10000	100	1
10	HENRI LINE	GANTRY	240" X 118" X 47.2"	240" X 118"	SIEMENS	5	110	360	1	24000	108	32
11	HANDTMANN	UBZ 300	120" X 180" X 45"	120" x 180"	SIEMENS	5	230	360	1	24000	65	36
12	OKK	KCV 1000	150" X 40" X 28"	150" X 40"	FANUC	5	35	35	1	12000	40	30
13	OKK	KCV 1000	150" X 40" X 28"	150" X 40"	FANUC	5	35	35	1	12000	40	30
14	OKK	KCV 800	120" X 32" X 28"	120" X 35"	FANUC	5	35	35	1	10000	40	30
15	OKUMA	MC-4020	33" X 20" X 12"	40" X 20"	OPS-VIOM	4	NA	360	1	15000	25	20
16	OKUMA	MC-4020	33" X 20" X 12"	40" X 20"	OPS-VIOM	4	NA	360	1	15000	25	20
17	OKUMA	MA-650VB	60.2" X 25.9" X 24"	60.2" X 25.9"	THINC	3	NA	NA	1	6000	30	48
18	DAHLIH	1450	60" X 23" X 30"	67" X 27"	FANUC	3	NA	NA	1	6000	30	32
19	DAHLIH	1350	60" X 23" X 30"	67" X 27"	FANUC	3	NA	NA	1	3500	25	24
20	DAHLIH	1500	60" X 23" X 30"	67" X 27"	FANUC	3	NA	NA	1	3500	20	24
21	MAZAK	2001I/200II	200" X 20" X 20"	200" X 20"	MAZATROL	3	NA	NA	1	15000	30	30
22	MAZAK	2001I/200II	200" X 20" X 20"	200" X 20"	MAZATROL	3	NA	NA	1	15000	30	30
23	KOMO (15FT.)	VMC 40	18" X 30" X 10"	18" X 15'	FANUC	3	NA	NA	1	6000	15	30
24	KOMO (15FT.)	VMC 40	18" X 15' X 10"	18" X 15'	FANUC	3	NA	NA	1	6000	15	30

CNC LATHE

#	MACHINE	MODEL	X & Z TRAVEL	MAX FEED RATES	BAR FEED	MAX STOCK LENGTH	CONTROL	RPM	SPDL DIA	HP	TOOL CPTY
1	OKUMA	CADET	14" X 18"	200	2.5 Bar Feed	4.0 FT.	OP5020C	3500	10"	25	12
2	NAKAMURA	LMC15	6" X 10"	200	1.625 Bar Feed	12.0 FT.	FANUC	5000	6"	15	10
3	OKUMA	CADET	11" X 18"	200	2.5 Bar Feed	4.0 FT.	OP5020C	3500	10"	25	12
4	FEMCO	DURGA 25E	7" X 27"	200	1.25 Bar Feed	12 FT.	FANUC	5000	8"	15	12

MILL TURN

#	MACHINE	MODEL	X & Z TRAVEL	MAX FEED RATES	MAX SWING DIAMETER	MAX STOCK LENGTH	CONTROL	RPM	SPDL DIA	HP	TOOL CPTY
1	OKUMA	LB300-MYM	17" X 20"	200	27.8	6 FT.	FANUC	4500	10"	20	12

GRINDERS

	MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL
1	CINCINNATI	Centerless	3.0" DIA.		MANUAL
2	CINCINNATI	Centerless	1.5" DIA.		MANUAL
3	OKAMOTO	Surfaces	24" X 12" X 5"	24" X 12"	MANUAL
4	ELGIN	Center	14" X 40"		MANUAL
5	HERCULES	Center	6" X 24"		MANUAL
6	KONDO	Center	16" X 24"		MANUAL

BRAKE PRESS

	MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL
1	CLEARING NIAGRA	135 TON	135" X 6"	135" X 10"	TECH LINE

WATER JET

	MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL
1	FLOW (Waterjet)	FLOW	48" X 96" X 7"	52" X 98"	FLOW MASTER

THREAD ROLLING

	MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL
1	TESKER		1.0" DIA.	4.0" LONG	MANUAL
2	SENY		.75" DIA.	3.0" LONG	MANUAL

HYDRO PRESSES

	MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL
1	LAKE ERIE	600 TON	30" STROKE	48" X 48"	MANUAL