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
MAKINO	MAG-3-EX	157.5" X 59.1" X 39.4"	59.0" X 153.0"	MAKINO	5	NA	360	1	33000	174	120
MAKINO	MAG-3-EX	157.5" X 59.1" X 39.4"	59.0" X 153.0"	MAKINO	5	NA	360	1	33000	174	120
MAKINO	MAG-3-EX	157.5" X 59.1" X 39.4"	59.0" X 153.0"	MAKINO	5	NA	360	1	33000	107	120
MAKINO	MAG-1	59.8" X 43.3" X 53.1"	31.5 X 39.4"	MAKINO	5	NA	360	1	33000	107	120
MAKINO	MAG-1	59.8" X 43.3" X 53.1"	31.5 X 39.4"	MAKINO	5	NA	360	1	33000	107	120
MAKINO	MAG-1	59.8" X 43.3" X 53.1"	31.5 X 39.4"	MAKINO	5	NA	360	1	33000	107	120
MAKINO	MAG-1	59.8" X 43.3" X 53.1"	31.5 X 39.4"	MAKINO	5	NA	360	1	33000	107	120
MAKINO	MAG-1	59.8" X 43.3" X 53.1"	31.5 X 39.4"	MAKINO	5	NA	360	1	33000	107	120
MAKINO	A51	22" X 22" X 18"	24" X 24"	MAKINO	4	NA	360	1	14000	30	208
MAKINO	A51	22" X 22" X 18"	24" X 24"	MAKINO	4	NA	360	1	14000	30	208
MAKINO	A51	22" X 22" X 18"	24" X 24"	MAKINO	4	NA	360	1	14000	30	208
MAKINO	A51	22" X 22" X 18"	24" X 24"	MAKINO	4	NA	360	1	14000	30	208
MAKINO	A51	22" X 22" X 18"	24" X 24"	MAKINO	4	NA	360	1	14000	30	208
DOOSAN	DVF 6500	30" X 31" X 24"	26.6" X 26.6"	SIEMENS	5	N/A	360	1	12000	30	180
CINCINNATI	GANTRY	48FT. X 14FT. X 32"	48' X 16'	PC2100	5	25	25	1	10000	100	1
HENRI LINE	GANTRY	240" X 118" X 47.2"	240" X 118"	SIEMENS	5	110	360	1	24000	108	32
OKK	KCV 1000	150" X 40" X 28"	150" X 40"	FANUC	5	35	35	1	12000	40	30
OKK	KCV 1000	150" X 40" X 28"	150" X 40"	FANUC	5	35	35	1	12000	40	30
OKUMA	MA-650VB	60.2" X 25.9" X 24"	60.2" X 25.9"	THINC	3	NA	NA	1	6000	30	48
DAHLIH	1450	60" X 23" X 30"	67" X 27"	FANUC	3	NA	NA	1	6000	30	32
DOOSAN	DNM 500II	40" X 21.2" X 21"	47.2" X 21.2"	FANUC	3	NA	NA	1	12000	20	30
BRIDGEPORT	H SERIES	40" X 21.2" X 21"	47.2" X 21.2"	OKUMA	3	N/A	NA	1	12000	30	30
MAZAK	2001I/200II	200" X 20" X 20"	200" X 20"	MAZATROL	3	NA	NA	1	15000	30	30
MAZAK	2001I/200II	200" X 20" X 20"	200" X 20"	MAZATROL	3	NA	NA	1	15000	30	30

CNC LATHE

MACHINE	MODEL	X & Z TRAVEL	MAX FEED RATES	BAR FEED	MAX STOCK LENGTH	CONTROL	RPM	SPDL DIA	HP	TOOL CPTY
OKUMA	CADET	14" X 18"	200	2.5 Bar Feed	4.0 FT.	OP5020C	3500	10"	25	12
NAKAMURA	LMC15	6" X 10"	200	1.625 Bar Feed	12.0 FT.	FANUC	5000	6"	15	10
OKUMA	CADET	11" X 18"	200	2.5 Bar Feed	4.0 FT.	OP5020C	3500	10"	25	12
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
OKUMA	LB300-MYM	17" X 20"	200	27.8	6 FT.	FANUC	4500	10"	20	12

GRINDERS

MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL
OKUMA	GA26W	X & Z 20" x 12"		OSP-P300GH
CINCINNATI	Centerless	3.0" DIA.		MANUAL
CINCINNATI	Centerless	1.5" DIA.		MANUAL
OKAMOTO	Surfaces	24" X 12" X 5"	24" X 12"	MANUAL
HERCULES	Center	6" X 24"		MANUAL

BRAKE PRESS

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

WATER JET

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

THREAD ROLLING

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

HYDRO PRESSES

MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL
LAKE ERIE	600 TON	30" STROKE	32" X 52"	MANUAL

CMM Inspection

MACHINE	MODEL	XYZ TRAVEL	TABLE SIZE	CONTROL
Hexagon	Global S CMM	73" x 32" x 25"	43" x 111	PC-DMIS
LK	G-90C CMM	120" x 44" x 32"	62" x 159"	PC-DMIS
Hexagon	Romer Arm PCMM	41" x 41" x 28"	39" x 43"	PC-DMIS