

Horizontal Mill

Machine	Model		X axis inch	Y axis inch	Z axis inch	B axis	RPM	# of pallets	# Tools
Niigata 1	HN63C		39	35	35	yes	12,000	8	180
Niigata 2	HN63C		39	35	35	yes	7,500	2	180
Matsura	ES-450PC-5		18.00	15.50	18.00	yes	15,000	5	61

Vertical Mill

Machine	Model		X axis inch	Y axis inch	Z axis inch	A axis	RPM		# Tools
YCM	V56T (left)		17.5	16	16	no	13,000		17
YCM	V56T (right)		17.5	16	16	no	13,000		17
YCM	NSV102A		40.2	23.6	23.6	no	12,000		30
YCM	NSV102A		40.2	23.6	23.6	no	12,000		30
Haas	VF-2		35	16	20	yes	7,500		21
Haas	VF-2		35	16	20	yes	15,000		21
Akira-Seiki	SV800		35	20	20	no	10,000		30

Cnc lathe

Machine	Model		X axis inch	C axis	Z axis inch	B axis	RPM	Sub spindle	# Tools
Kia	Turn21L MS		18" Dia.	infinite	20	20 inch	3,500	yes	12

Machine	Model		X axis inch	Y axis inch	Z axis inch	B axis	RPM
Alliant	Manual mill		35	20	20	no	3,000

Lathe

Machine	Model		X axis inch	Y axis inch	Z axis inch	B axis	RPM
Mori-Seiki	engine lathe		21	n/a	40	no	1,800
Graziano	engine lathe		13	n/a	30	no	2,500

Inspection

Machine	Model		X axis inch	Y axis inch	Z axis inch	Renishaw
DEA	Mistral CMM		39	35	30	Articulating probe