



Phone: 616.785.8100 Fax: 616.785.8210

### CNC Vertical Machine Centers (VMC)

				<b>Year Built</b>
4	FPT Dino 5Axis High Spd Machine Center 34K	90.0 X	63.0 Y 32.0 Z	(2) 2003 (2) 2004
2	FPT Pragma Horizontal Machine Centers 24K	240.0 X	80.0 Y 48.0 Z	2001
2	OKK MCV 1060 High Speed CNC Mills	84.0 X	41.75 Y 31.5 Z	(1) 1999 (1) 2000
3	OKK VM5II High Speed CNC Mills	40.0 X	20.0 Y 20.0 Z	2000
2	Droop & Rein CNC Mill	98.0 X	48.0 Y 40.0 Z	2002
1	Droop & Rein CNC Mill	156.0 X	68.0 Y 48.0 Z	2002

### Horizontal Boring Mills

1	Kuraki KBT - 13WA	100.0 X	70.0 Y 65.0 Z	2000
1	Kuraki KBT - 11WA	78.74 X	59.0 Y 57.0 Z	2001
1	Kuraki KBM - 11X	60.0 X	48.0 Y 28.0 Z	2003
1	Makino A99	40.0 X	40.0 Y 37.5 Z	2000

### CNC VMC Carbon Cutters

4	Makino SNC-64 High Speed Graphite Machining Centers 30K spindles	23.6 X	15.7 Y 15.7 Z	2001
1	Makino SNC-64 High Speed Graphite Machining Centers 15K spindles	23.6 X	15.7 Y 15.7 Z	1995



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### General Shop Equipment

			<b>Year Built</b>
3	Bridgeport Mills		
4	Surface Grinders	Up to 24" x 36"	
1	6' Radial Drills		
1	Mitutoyo Optical Comparator - 10X		
2	MIG/TIG Welders		
1	Hardness Tester		
1	40 ton Die Cart		

### Ram EDM

1	Makino EDNC 106W Vertical EDM	Tank Size 79" x 43"	2001
1	Makino EDNC 85W Vertical EDM	Tank Size 59" x 43"	2001
1	Makino EDNC 85WS Vertical EDM	Tank Size 59" x 43"	2002
1	Makino EDNC 65 Vertical EDM	Tank Size 43" x 30"	2001
1	ONA PD-6.120S1 EDM	Tank Size 137" x 59"	2000

### Wire EDM

1	Makino U-86 CNC Wire EDM	32 X x 24 Y up to 20 thick	1996
1	Makino ST-64 CNC Wire EDM	24 X x 16 Y up to 12.5 thick	2004
1	Makino EH-6 CNC Wire EDM	24.4 X x 15.6 Y up to 12.5 thick	2004

### Gundrills

1	Tarus CNC Gundrill - up to 2" dia.	96 X 60 Y	1999
1	Miroku MHG-1500-NC Gundrill	83 X 71 Y	2000



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### Spotting Presses

1	125 ton Dake	48.0 X 30.0 Y	
1	130 ton Reis TUS-130	63.0 X 51.0 Y	
1	150 ton Mill Utensil MIL-163	63.0 X 51.0 Y	
1	220 ton Mill Utensil MIL-Z53	98.5 X 77.0 Y	2002

### CMM - Coordinate Measurement Machine

1	Zeiss CMM	96 X 50 Y 50 Z
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### Cranes

2	10 ton	1	25/10 ton
3	15 ton	3	40/20 ton
1	25 ton	8	2 ton jib
3	44 ton		

### Radio Dispatched Trucking

1	GMC Pickup	Capacity - 500#
1	GMC Flatbed	Capacity - 9,000#
1	GMC Flatbed	Capacity - 18,000#
1	Western Star Constellation - Covered	Capacity - 29,000#
1	Western Star Constellation - Covered	Capacity - 45,000#

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