

## Equipment Inventory at Precise Tooling Solutions

as of 4/30/2018

Item	CNC	Model	Type	Description	Spindle Rate (rpm)	Weight Capacity (lbs)	Travel (x,y,z,b)	Horsepower or Amperage	Through-Spindle Coolant
Boring Mill	CNC	FERMAT 5-Axis WHN 13.8P	Horizontal	Heidenhain Control	3,000	26,460	157.5 x 78.5 x 28.5 x 49.0	49.5	300 psi
Boring Mill	CNC	Cincinnati Gilbert 325J	Horizontal	Heidenhain Control	1,600	15,000	106 x 96 x 40 x 48	30	None
Bridge Mill	CNC	Johnford DMC 3100SH	Vertical	Fanuc Control	6,000	22,000	120 x 69 x 31.5	35	1000 psi
Machining Center	CNC	Makino V 55	Vertical	High speed; Fanuc Control	20,000	1,500	35 x 19 x 17	25	300 psi
Machining Center	CNC	Haas VF 8	Vertical	High speed; Haas Control	15,000	4,000	64 x 40 x 30	20	300 psi
Machining Center	CNC	Haas VF 11	Vertical	Haas Control	7,500	4,000	120 x 40 x 30	30	300 psi
Machining Center	CNC	Haas VF 3 YT	Vertical	Haas Control	7,500	3,500	40 x 26 x 25	30	300 psi
Machining Center	CNC	Makino SNC 64	Vertical	Carbon; Fanuc Control	20,000	500	23 x 15 x 15	15	None
Machining Center	CNC	Makino LeBlond	Vertical	Carbon; Fanuc Control	15,000	500	23 x 15 x 18	15	None
Machining Center	CNC	Hawk 30	Vertical	Hurco Control	3,800	1,000	35 x 18 x 14	15	N/A
Machining Center	CNC	Hawk 30	Vertical	Hurco Control	3,800	1,000	35 x 18 x 14	15	N/A
Machining Center	CNC	Roeders High Speed 5-Axis	Horizontal	Roeders Control	30000	1760	31.5 x 33.7 x 19.8	30	300 psi
Knee Mill	Manual	Bridgeport Series II	Vertical	Anilam Readouts	3,500	1,500	58 x 11 x 24	2	N/A
Knee Mill	Manual	Bridgeport	Vertical	Anilam Readouts	3,500	1,500	42 x 9 x 17	1.5	N/A
Knee Mill	Manual	Bridgeport	Vertical	Anilam Readouts	3,500	1,500	42 x 9 x 17	1.5	N/A
Knee Mill	Manual	OKK	Vertical		1,500	2,000	64 x 14 x 14	5	N/A
Boring Mill	Manual	Giddings and Lewis	Horizontal	Anilam Readouts	2,000	3,000	36 x 30 x 30	15	N/A
Radial Drill	Manual	IKEDA	Vertical		1,500	8,000	34 x 60 x 30	3	N/A
Radial Drill	Manual	IKEDA	Vertical		1,500	8,000	34 x 60 x 50	3	N/A
Lathe	Manual	Clausing and Colchester	Standard		6,000	750	8 x 13 6" jaw	5	N/A
Grinder	Manual	Harig Surface Grinder	Vertical		Standard	Standard	18 x 6 x 7.5	2	N/A
Grinder	Manual	Harig Surface Grinder	Vertical		Standard	Standard	12 x 6 x 7.5	2	N/A
Grinder	Manual	Kent Auto Surface	Vertical		Standard	Standard	24 x 12 x 14.5	4	N/A
Grinder	Manual	Okamoto Auto Surface	Vertical		Standard	Standard	31.5 x 16 x 21	5	N/A
Grinder	Manual	Matson Surface	Vertical		Standard	Standard	65 x 20 x 36	15	N/A
Grinder	Manual	Blanchard	Vertical		Standard	Standard	84 diameter	100	N/A
Grinder	Manual	Blanchard	Vertical		Standard	Standard	42 diameter	40	N/A
Sampling Press	Manual	Nissei FN 7000	Horizontal	Fully loaded; 25 oz. barrel; 28.9 between tie bars	N/A	400 ton 25 oz	41 x 41 x 45	Standard	N/A
Blue-In Press	Manual	Milutensil Mil	Horizontal		N/A	32,000	98.5 x 65.5 x 65.5	N/A	N/A
Blue-In Press	Manual	Reis TUS 90	Horizontal		N/A	12,000	36 x 50 x 40	N/A	N/A
EDM	CNC	Mitsubishi MD Pro II	Wire	Mitsubishi Control	N/A	1100	27.5x21.7x8.4 tank 12.6x9.8x8.6 travel	50 amp	N/A
EDM	CNC	Mitsubishi ea28v	Sinker	Mitsubishi Control	5	4,500	43.3 x 31.9 x 17.7 tank 25.6 x 17.7 x 17.7 travel	100 amp	10 psi
EDM	CNC	Mitsubishi ex30	Vertical	Mitsubishi Control	5	4,500	49 x 33 x 26.5 tank 40 x 15 x 18 travel	200 amp	10 psi
EDM	Manual	Cincinnati	Vertical	Heidenhain Readouts	N/A	18,000	67 x 39 x 24 tank 40 x 15 x 18 travel	200 amp	10 psi
EDM	Manual	Handsvedt	Vertical	Heidenhain Readouts	N/A	4,000	48 x 26 x 28 tank 20 x 16 x 12 travel	150 amp	10 psi
EDM	Manual	ERM	Vertical		N/A	1,000	34 x 23 x 21 tank 20 x 16 x 12 travel	75 amp	10 psi
Welder	Manual	Miller tig	N/A		N/A	N/A	N/A	200 amp	N/A
Welder	Manual	Miller mig	N/A		N/A	N/A	N/A	300 amp	N/A
Misc.	N/A	Faro Platinum Arm	6 ft	Used for inspection; accurate to .030 millimeters	N/A	N/A	N/A	N/A	N/A
Misc.	N/A	Parker Crimping Machine	N/A	Used to make water and hydraulic hose for molds	N/A	N/A	N/A	N/A	N/A
Misc.	N/A	Athens 12 Zone Heat Controller	N/A	Hot runner	N/A	N/A	N/A	N/A	N/A
Misc.	N/A	Thermoset Heat Controller	N/A	Hot runner	N/A	N/A	N/A	N/A	N/A