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Equipment List

Our equipment list includes most of the major equipment utilized by Merrill Tool & Machine. We also have the industry standard support equipment that would be typical of a company of our size and capabilities, which is not listed below.

If you have any questions please contact us at (989)-921-4005 or reach us by email at info-mtm@merrilltg.com

Large CNC Milling Machines	
Qty.	Machine
1	Mazak Versatech V-140N, pallet changer 240 tool magazine, X axis travel 7000mm and 11000mm, Y axis 4600mm, Z axis 710mm, and W axis 1250mm.
1	Toshiba MPC3680B Gantry Type Vertical Machining Center X=30' Y=12'
1	FPT CNC Floor Mill Model 140 3-Axis Horizontal Mill Quill Travel 48" Z=144" Table= 552" (46')
1	FPT CNC Floor Mill Area EV 4-Axis Horizontal Mill Quill Travel 59" Z=138" Table=630" (52.5')
1	Waldrich Siegen Model 25VAC CNC Gantry Type Vertical Machining Center X=256" Y=98" Z=63"
1	Ingersol Gantry Mill HA-VF4 VH-50, X=374" Y=108" Z=63" Gantry Type Vertical Machining
1	Giddings & Lewis RT 1600 Boring Mill with full 4 th -Axis, Quill Travel 59", X=141", Y=102", Z=49"
1	Giddings & Lewis HMC 1250 Boring Mill with full 4 th -Axis, X=106", Y=70", Z=68", Quill Travel 19.5"
1	Giddings & Lewis MC 1600 Boring Mill X=141", Y=141", W=137", Z=49"
Horizontal CNC Milling Machines	
Qty.	Machine
1	Niigata Model HN80C 4-Axis Horizontal NC Twin Pallet Mill X=59.1" Y= 47.2" Z=24"

2	Mazak Model Mazatech FH-1080 4-Axis CNC Horizontal Pallet X=64" Y=51" Z=48"
1	Mazak Model AJV-60/120 3-Axis CNC Pallet Type Machine X=126" Y=55" Z=24"
5 Axis Milling Machines	
Qty.	Machine
1	Mazak Model Integrex E-1060V 5-Axis Turning/Milling Center 6-Pallet
Vertical CNC Milling Machines	
Qty.	Machine
1	Haas VF-6, 4-Axis Vertical Machining Center -X=64" Y=32" Z=30", 10,000 RPM
1	Mazak Model V-550 3-Axis CNC Vertical Machining Center X=41.34 Y= 22.05" Z=21.65"
1	Mazak Model 35/60 3-Axis CNC Pallet Type Vertical Machining Ctr X=59" Y=16" Z=23"
3	Mazak Model "Nexus" 410/510 VMC CNC Vertical Machining Ctr X=22" Y=16" Z=20"
Jig Boring Milling Machines	
Qty.	Machine
5+	DeVlieg Boring Mills, many with CNC controls and all equipped with rotary tables, sizes up to 72"x96"x48
Small Mills	
Qty.	Machine
5+	Proto Trak 2 & 3 Axis control
CNC Turning	
Qty.	Machine
1	Mazak Model Quick Turn 30N CNC Lathe 12" Swing 37" Centers 12-Position Turret
1	Mazak Model Slant Turn 500 nexus 41" swing 120" Between Centers 12-Position Turret
1	Mazak Model Slant Turn 50N CNC Lathe 28" Swing 80" Centers 15-Position Turret
1	Mazak Model Quick Turn Nexus 250 CNC Lathe Swing 10" Centers 18" 12-Pos. Turret
Turning	

Qty.	Machine
2+	Manual Lathes of Various sizes
Vertical CNC Turning	
Qty.	Machine
1	Giddings & Lewis VTC 2000 Table Swing 98" w/ Live Tooling
1	Giddings & Lewis VTC 1600 Table Swing 72" w/ Live Tooling
1	Giddings & Lewis VTC 3500 Dual Ram w/ 145" table swing x 118" tall machining capacity and live tooling
Jig Grinders	
Qty.	Machine
1	Moore Model G18 Precision Vertical Jig Grinder 11" x 24" Table
1	Moore Model #3 Precision Vertical Jig Grinder 11" x 24" Table
1	Moore Model 450-CP CNC Jig Grinder 4-Axis GE Fanuc Series 18-M Control
Vertical OD/ID Grinders	
Qty.	Machine
1	SpringField Model 2-1/2 A&R, 48" Swing Dia Table O.D. I.D. Vertical Grinder
1	Campbell CNC Twin Spindle 62" Swing OD/ID Vertical Grinder
Horizontal OD/ID Grinders	
Qty.	Machine
N/A	Wide selection of manual ID/OD Grinders
1	Norton OD Grinder, 24" Swing, 144" between centers
1	Toyoda Model GU4-100 CNC Controls ID/OD Grinder 12.59" Swing x 39.37" Between Centers
Surface Grinding	
Qty.	Machine
N/A	Wide selection of manual surface grinders

1	Blanchard Model 20-36 Rotary Surface Grinder 36" Dia
1	Okamoto Model ACC 3280-EX 32" x 80" Hydraulic Surface Grinder Travel
3	Parker Majestic Model 2Z 6" x 18" Hand Feed Surface Grinder
Low Temperature Machining	
Qty.	Machine
1	Mitsubishi FX Wire Cut CNC EDM X=13.8 Y=9.8 Z=8.5
Other	
Qty.	Machine
1	Sunnen Model MBB1650-MS Precision Honing Machine 19" x 27"
Cranes	
Qty.	Machine
Various	Lift capability up to 100,000 pounds
Metrology Equipment	
Qty.	Machine
Various	Wide selection of inspection plates, hardness testers, bore gauges, micrometers, gauge pins, gauge balls, gauge blocks, and standard metrology inspection tools
1	Brown & Sharpe Model 12-20-10 Excel CMM X=48" Y=78" Z=40"
1	Faro Gage 24" Radius .0002" Accuracy with Stand (Mobile)
1	Brown & Sharpe Model DEA Xcel 7-6-5 Measuring Machine X=27.56 Y=23.62 Z=19.68
1	Brown & Sharpe TESA Micro-Hite Model 600 32" Digital Height Gage with Squareness capability
1	Opticom Comparator 30" Screen, 50x Resolution with a D.R.O.
1	FARO ION TRACKER with the VERISURF software package it is a laser tracker capable of measuring a 361 foot diameter. It is also used for checking flatness, parallel, linear dimensions & hole locations
1	Hamar Laser L-743: LSR0001, Accuracy: .0003 to .004 (varies by distance being checked) Primarily used to check flatness and perpendicularity on large machined parts. Also used for re-qualifying out large machines

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Optodyne Laser: 0001-FW, Accuracy : to .0003