

Modern Machine Company Equipment List

Modern Machine Company maintains an efficient and cost effective operation, with cutting edge technology in milling, drilling, turning and work holding products. Modern Machine Company uses the most up to date products available to produce a quality and on time, finished part.

Turning Equipment

- (1) 2014 Okuma Genos L200E-M CNC Lathe 8" diameter x 16", w/live tooling
 - (1) 1997 Okuma Cadet LNC8 CNC Lathe, 12" diameter x 26"
 - (1) 2000 Okuma LB25 II-M CNC Lathe, w/live tooling
 - (1) LeBlond 19" diameter x 54" with read-outs
- ADMAC Okuma programming software

Milling Equipment

- (1) 2018 Okuma M560-V Vertical CNC Mill-Travel 41" h x 22" y x 26" z 15,000 RPM Spindle w/thru spindle high pressure coolant. Renishaw probe and tool setter. Extended column.
 - (1) 2017 Okuma MB5000H Horizontal CNC Mill-30" h x 20" y x 30" z w/19.68 pallets 15,000 RPM Spindle w/high pressure coolant. Renishaw probe and tool setter.
 - (1) 2016 Okuma M560-V Vertical CNC Mill-Travel 41" h x 22" v x 26" z 15,000 RPM Spindle w/thru spindle high pressure coolant. Renishaw probe and tool setter. Extended column w/4th-5th interface
 - (1) 2014 Okuma MB5000H Horizontal CNC Mill-30" h x 30" y x 30" z w/19.68 pallets 15,000 RPM Spindle w/high pressure coolant. Renishaw probe and tool setter
 - (1) 2013 Okuma M560-V Vertical CNC Mill-Travel 41" h x 22" v x 18" z 15,000 RPM Spindle w/thru spindle high pressure coolant
 - (1) 2012 Okuma Millac 1052 V II Vertical CNC Mill – Travel 81" h x 41" v x 31.5" z
Renishaw probe and tool setter with thru spindle high pressure coolant
 - (1) 2002 Okuma MB-56VB Vertical CNC Mill – Travel 42" h x 22" v x 18" z-with Kitagawa fully integrated 4th axis, Renishaw probe and tool setter w/ thru spindle coolant
 - (1) 2001 Okuma MA-550VB Vertical CNC Mill – Travel 51" h x 22" v x 22" z -12,000 RPM Spindle w/ thru spindle high pressure coolant
 - (1) 1996 Okuma MC-40VA Vertical CNC Mill – Travel 31" h x 15" v x 17" z
 - (1) 1995 Okuma MC-6VAE Vertical CNC Mill – Travel 60" h x 25" v x 29" z
 - (1) 1995 Okuma MC-6VAE Vertical CNC Mill – Travel 60" h x 25" v x 29" z
 - (1) 1991 Okuma MC-4VA Vertical CNC Mill – Travel 31" h x 15" v x 17" z
 - (1) 1990 Okuma MC-4VA Vertical CNC Mill - Travel 31" h x 15" v x 17" z
 - (2) Bridgeport Series II Vertical Mill w/ readouts and power table feed
 - (1) Haas CNC Controlled Power Rotary Indexer
 - (1) Kitagawa CNC Integrated Rotary Indexer
 - (1) SMW CNC Controlled Power Rotary Indexer
- Master Cam Version 2020 Software for 2-D and 3-D part programming

Horizontal Boring Mills

- (1) Toshiba BTD-110-R16 CNC Mill, 4.35" spindle – Travel 78" h x 60" v x 50" w x 19" z
w/ programmable 360 degree rotary table, 60 tool A.T.C.
- (1) Toshiba BP-110.P20 CNC Mill, 4.35" spindle – Travel 100" h x 65" v x 45" w x 19" z
w/ thru spindle coolant, 38 tool A.T.C.
- (1) DeVlieg 4B-72 NC Mill 4" spindle w/3 axis readouts – Travel 72" h x 48" v x 16" w x 16" z
w/ DeVlieg 36" square air powered rotary table
- (1) DeVlieg 43K-72 NC Mill, 4" spindle – Travel 72" h x 48" v x 20" w x 15" z
w/ DeVlieg "E" table
- (1) Wotan B130S Mill, 5.94" spindle – Travel 98" h x 78" v x 66" w x 36" z w/3 axis readout and
360 degree powered rotary table

Grinding Equipment

- (1) Blanchard Rotary Grinder #18 with 36" capacity, tolerances-flat and parallel within .002
- (1) Blanchard Rotary Grinder #27 with 55" capacity, tolerances flat and parallel within .004
- (1) Mattison Surface Grinder 36" x 120" tolerances flat and parallel within .0002
- (1) Okamoto Surface Grinder 16" x 32" tolerances flat and parallel within .0002
- (1) Parker Majestic Surface Grinder 6" x 18" w/Sony readout and adj. speed head
- (1) Parker Majestic Surface Grinder 6" x 18" w/magnetic sine table
- (1) Moore #3 Jig Grinder with readout

Additional Equipment

- (1) Pratt & Whitney slotter w/ rotary table
- (1) Sunnen hone
- (1) Dake 75 ton hydraulic arbor press
- (1) DoAll continuous feed horizontal band saw
- (1) DoAll vertical, contour band saw
- (1) Miller tig welder
- (1) Miller arc welder
- (2) Fork trucks up to 8000 lbs. capacity
- (2) Overhead cranes up to 13,000 lbs. capacity

Inspection Equipment

- (6) CNC machines w/Renishaw probe software
- (1) Brown & Sharp Micro Hite 600 w/ 32" travel
- (1) Jones and Lambson 30" optical comparator w/quadra check 2000 readout system
- (1) Clark hardness tester
- (1) 96" x 72" surface plate

We have all other necessary inspection equipment such as bore mic's, bore gages, gage pins, gage blocks etc. required for the assurance of a quality product.

Modern Machine Company stocks most end mills, drills, taps, and inserts in our facility under a tool management program.

Modern Machine Company has a 1-ton Chevy HD 3500 Stake Truck Flatbed 15,000 GVW for any pickup and delivery needs.

Modern Machine Company uses RealWorld / ShopWorks Software for Job Tracking, Costing, and Accounting.

If you have any additional questions please feel free to contact Gary Emede – Owner or Dean Emede – President & General Manager at 989-895-8563 or by e-mail at dean@modernmachine.biz