



Hudson Machine & Tool Works for You

Hudson Machine & Tool offers a wide variety of machining processes at a very competitive cost. Serving customers throughout the Midwest since 1975, today our 28,000 square foot facility features a wide array of equipment and experienced machinists to meet your needs.

Consider Hudson Machine & Tool to provide quality parts and assemblies with shipments to customers on a timely basis.

A partial listing of our current equipment:

LATHES:

- 2020 LB4000 live tools, y-axis, 60 inch z-axis, steady rest
- 2016 LB4000 live tools, y-axis, 60 inch z-axis
- 2012 LB3000, live tools, y-axis
- 2008 OKUMA LB45II with 80"Z travel, live tools
- 2000 OKUMA Crown CNC with 2" thru hole
- 1999 OKUMA LNC-10 CNC, 2-3/4" thru hole, 12" chuck, and 49" work length
- 1999 OKUMA Crown CNC with parts catcher and 2" thru hole
- 1999 OKUMA Crown CNC / Big Bore with parts catcher, barfeed, and 2-5/8" thru hole
- 1997 OKUMA LNC-10 CNC, 3-5/8" thru hole, 15" chuck, and 26" work length
- 1997 PUMA V15-3A CNC, 30" swing, live tools
- 1997 TOSHIBA TMD-16 CNC, 76" swing, live tools
- 1995 OKUMA LNC-10 CNC, 2-3/4" thru hole, 12" chuck, and 49" work length
- 1994 OKUMA LNC-8 CNC, 8" chuck and collets up to 1-3/4"
- 1994 OKUMA LNC-8 CNC / Big Bore, 2-1/2" thru hole, 10" chuck, and 20" work length
- MONARCH 20.5" swing, 96" centers, 3 and 4 jaw chucks DRO
- SHARP 14" swing, 48" centers, 3 jaw chuck, collets to 5/8", and steady rest DRO
- SUPERMAX LG-2236, gap bed, 20" swing, 48" centers

VERTICAL MILLS:

- 2020 OKUMA GENOS M560-V X42 and Y22, full 4th axis capability
- 2019 OKUMA 1052, table travel of X80 and Y39, full 4th axis capability
- 2017 OKUMA MA550VB, table travel of X55 and Y24, full 4th axis capability, 10000 psi TSC
- 2013 MA650, 4th axis, table travel of X60 and Y26
- 2006 VTEC Bridge Mill, table travel of X126 and Y90 (2), full 4th axis capability
- 2002 OKUMA MC-V4020, table travel of X40 and Y20
- 2000 OKUMA V4018, table travel of X40 and Y18, with rotary indexer
- 2000 OKUMA 4020, table travel of X40 and Y20
- 1999 SUPER MAX, table travel of X55 and Y24, with full 4th axis capabilities
- 1998 OKUMA MX45 VAE CNC, table travel of X31 and Y16
- 2007 OKUMA MC-V3016 CNC Vertical Machining Center X16, Y17 and table 20
- 2017 KOMA TWA-160 5th Axis Trunnion

- 1998 QUANTUM 1500, table travel of X30 and Y60
- 1998 TREE 1060 CNC, table travel of X40 and Y24, with rotary indexer
- BRIDGEPORT (3 each), table travel of X42 and Y9 DRO
- MILWAUKEE Horizontal and Vertical Model H DRO

HORIZONTAL MILL:

- 2003 OKUMA MA-60HB, twin pallet
- 2000 KIA KBN-135, X110, Y78, and Z78

INSPECTION:

- MITUTOYO 121210 Coordinate Measuring, 4' Cube
- BROWN & SHARPE Coordinate Measuring, Microval 454 with 18" x 20" table travel
- WILSON 3JR hardness tester
- Thread gauges, digital bore gauges, pin gauges
- Measurements to 72" (with digital calipers)
- MITUTOYO SJ-210 Profilometer

SAWS:

- COSEN C-420NC with 16-1/2 round capacity
- GROB vertical band saw

GRINDING:

- OKAMOTO PSG 208, surface grinder, 32" x 80" table
- OKAMOTO 12-24 DX, surface grinder

WELDING:

- Stick, Heli-Arc, Wire Feed (steel, stainless steel, and aluminum)
- 100 Amp Plasma Cutter
- Rotary Positioner
- Welders certified in several AWS codes

MISCELLANEOUS:

- Bead & Sand Blasting Facility
- Charmilles HD 30 CNC Electric Hole Popper
- Paint Booth
- Fully equipped grinding/finishing lab
- Food grade finish capable (fluent)
- Eitel RP-25 straightening press – 24" cap.
- American N-1043 Broach
- Spartan IW66D Ironworker
- Lucifer 3 X 3 X 3 Heat Treat Furnace
- Oakley Model D Straight-line sander 92" X 36"
- Daily pickup and deliveries to the Twin Cities and surrounding areas
- Packaging facility – wood crates, boxes, pallets for shipping completed parts