

TOOLING SCIENCE, INC.



CAD/CAM

- ⇒ SolidWorks
- ⇒ MasterCam
- ⇒ Cam-Tool
- ⇒ WorkNC
- ⇒ PowerMill

GRAPHITE MACHINING CENTERS

- ⇒ Mikron HSM 600, Heidenhain control, 40,000 RPM, 29" x 20" travel with 3R pallet changer
- ⇒ Roku-Roku 548EX Fanuc 16imb control, 14.1" x 23.6" travel with 3R pallet changer
- ⇒ Roku-Roku HC658, Fanuc 31i-A5 control, 32,000 RPM spindle, HSK E-40 Holder 23.62" x 19.65" x 15.74" travel, Erowa Pallet Changer

HORIZONTAL MACHINING CENTERS

- ⇒ Enshu JE80S Fanuc 18imb control, Big Plus 16,000 RPM spindle, 31.5" x 31.5" travel with pallet changer
- ⇒ Kuraki KBT-11WDX Fanuc 15m control, 79" x 59" travel, table capacity of 13,860 lbs.

VERTICAL MACHINING CENTERS

- ⇒ Mikron HSM 800, Heidenhain itnc 530 control, HSK 36,000 RPM spindle, 31.5" x 23.6" travel with pallet changer
- ⇒ Mikron HSM 700, Heidenhain atec control, HSK 40,000 RPM spindle, 27" x 21" travel
- ⇒ Hermle 800U 5-axis milling center, Heidenhain control, HSK 24,000 RPM spindle, 32" x 24" travel
- ⇒ Enshu 650VX Yasnac i80 control, CAT 50 6,000 RPM spindle, 63" x 25.5" travel
- ⇒ LeBlond Makino GF-6 Fanuc pro-3 control, CAT 50 6,000 RPM spindle, 41" x 23.7" travel
- ⇒ Enshu EV530S Fanuc 18iM control, CAT 40 13,000 SPM spindle, 39.3" x 20.9" travel
- ⇒ Matsuura MC-800VG Yasnac i80 control, BT40 8,000 RPM spindle, 31.5" x 20" travel
- ⇒ Matsuura MC-800VF Yasnac control, BT40 8,000 RPM spindle, 31" x 16.5" travel
- ⇒ LeBlond Makino FX 650 Fanuc pro control, CAT 40 8,000 RPM spindle, 25.6" x 15.75" travel

EQUIPMENT LIST

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VERTICAL MACHINING CENTERS (Continued)

- ⇒ Enshu 330VX Fanuc 6m control, CAT 40 6,000 RPM spindle, 22" x 17" travel
- ⇒ Enshu 800VC Fanuc control, CAT 50 6,000 RPM spindle, 100" x 32" travel
- ⇒ LeBlond Makino 128 Fanuc control, CAT 50 3,500 RPM spindle, 49" x 32" travel
- ⇒ Okuma 11M control, CAT 50 3,500 RPM spindle, 51.2" x 25.5" travel
- ⇒ Haas VM-2 with CT40, 12,000 RPM spindle, 30" x 20" x 20" travel
- ⇒ Kitamura 6G, Arumatik-M1 control, 15,000 RPM spindle, 40 taper Big Plus, 60.2" x 43.1" x 28" travel

GUNDRILL

- ⇒ Technidrill TDS 3000, Dia. capacity 0.187" to 2.00", dual head, 41" x 50" with 60" Z travel

CNC WIRE

- ⇒ LeBlond Makino SP64, 25.5" x 15.7" with 12.5" Z travel
- ⇒ Fanuc Alpha OCS-AWF 8" x 12" with 8" Z travel
- ⇒ Fanuc Alpha OCS-AWF 14" x 20" with 16" Z travel

EDM MACHINES

- ⇒ LeBlond Makino Model 85, 60 amp power supply, 31" x 56" x 18" tank (2X)
- ⇒ LeBlond Makino Model 64 with C axis, tool changer, 60 amp power supply, 33" x 26" x 18" tank
- ⇒ LeBlond Makino Model 43 with C axis, tool changer, 60 amp power supply, 33" x 26" x 18" tank
- ⇒ LeBlond Makino Model 32 with C axis, 60 amp power supply, 25" x 16" x 12" tank
- ⇒ Hole Popper drilling machine

GRINDING

- ⇒ 30" x 60" Surface grinder with 20" wheel, 24" max grinding height
- ⇒ 20" x 40" Surface grinder

EQUIPMENT LIST

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Answers. Solutions. Commitment.

GRINDING (Continued)

- ⇒ 16" x 24" Surface grinder
- ⇒ 10" x 15" Surface grinder
- ⇒ 6" x 18" Surface grinder
- ⇒ 6" x 12" Surface grinder
- ⇒ Moore #3 jig grinder

MANUAL MACHINES

- ⇒ Horizontal 3.5" spindle, 40" x 40" travel with rotary table
- ⇒ Horizontal 4" spindle, 60" x 82" travel with rotary table
- ⇒ DoAll Bed Mill, 21" x 48" travel
- ⇒ Sajo Model VF 54M, 18" x 32" travel
- ⇒ 4' Radial arm drills
- ⇒ Bridgeport Series 1
- ⇒ Bridgeport Series 2
- ⇒ Band saws

TURNING

- ⇒ Mori Seike Dura Turn 2050 CNC Lathe 8" diameter x 22" travel
- ⇒ LeBlond 19" lathe

HOISTS & HANDLING

- ⇒ Overhead 20 Ton
- ⇒ Overhead 10 Ton
- ⇒ Overhead 4 Ton
- ⇒ Overhead 3 Ton

EQUIPMENT LIST

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HOISTS & HANDLING (Continued)

- ⇒ Overhead 2 Ton
- ⇒ Forklift 7,000 lbs.
- ⇒ Forklift 4,000 lbs.



INSPECTION EQUIPMENT

- ⇒ Master3D gage inspection arm, Verisurf software control
- ⇒ Mitutoyo coordinate measuring machine, Model B706, 28" x 24" x 18" travel
- ⇒ Wilson Rockwell hardness tester
- ⇒ Optical comparators
- ⇒ Mitutoyo toolmaker microscopes
- ⇒ Complete set of gage pins, surface plates, height gage, bore gages and other inspection tools

TOOL CRIB

- ⇒ Auto Crib vending system
- ⇒ Tool Boss vending system

CONTACTS

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