



General Machining Services

ProMold-Gauer Inc. has a wide range of equipment to fit any of your general machining needs. With machines that will accommodate a block of up to 14300 lbs., to a small precision machined insert, ProMold-Gauer has the right machine for the job. The high speed hard milling machines give us the ability to cut hardened blocks of over 60Rc to a +/- .0002 tolerance. Our expertise in unattended machining along with optimizing our machining capacity by using the tool changer and through the spindle flushing, makes ProMold-Gauer a single source solution for your subcontracting needs. Along with utilizing all of the machines capabilities, we have the experience and the ingenuity to deliver your products efficiently and accurately.

CNC Horizontal Boring Mill Machines

(2) Kuraki KBH16 - 12,000 RPM spindle; 7.8" spindle size; X=78", Y=59", Z=51", W=15" travel; rotary table size 55"X 62"; 35.0 HP; cat 50 holders; 36-station tool changer; 700 PSI through the spindle flushing; 14300 lbs. table load.

Kuraki KBT11WDX - 2,500 RPM spindle; 4.6" spindle size; X=78", Y=59", Z=57", W=19" travel; rotary table size 55"X 62"; 35.0 HP; cat 50 holders; 40-station tool changer; 14300 lbs. table load.

Kuraki KBT11WDX - 3,000 RPM spindle; 4.6" spindle size; X=78", Y=59", Z=57", W=19" travel; rotary table size 55"X 62"; 35.0 HP; cat 50 holders; 14300 lbs. table load.

Kuraki KBT11W-A - 3,000 RPM spindle; 4.6" spindle size; X=78", Y=59", Z=57", W=15" travel; rotary table size 55"X 62"; 35.0 HP; cat 50 holders; through the spindle flushing; 14300 lbs. table load.



Nomura HBM-TB-100WP - 48" X 96" Table; X=96", Y=72", Z=57" travel; 1200RPM; 40HP

CNC Vertical Milling Machines



Mikron HSM 800 - High speed hard milling center; 42,000 RPM water cooled spindle; 1575 IPM cutting speed; X=31.5", Y=23.6", Z=19.2" travel; ITNC 530 Heidenhain control; 18 station tool changer; Renishaw touch probe; Blum laser for tool qualification; 18.0 HP; HSK 40 holders; 2200lbs. table load; Programmable volumetric accuracy to .0002".

Mori Seiki SVD-503 - 25,000 RPM spindle; 1000 IPM; X=31.5", Y=18.0", Z=20.0" travel; cat 50 holders.



Okuma Howa Millac 852V - 6000 RPM spindle; X=80.0", Y=33.5", Z=29.5" travel; Fanuc 16M control; 36-station tool changer; cat 50 holders; 5500 lbs. table load.



Okuma Howa 8VS-NC - 2000RPM spindle; 100 IPM; Fanuc 0-M control; X=59", Y=32.2", Z=23.6" travel; 25 HP; cat 50 holders; 5500 lbs. table load.

Okuma Howa 5V-NC - 2500 RPM spindle; 100 IPM; Fanuc M control; X=39.0", Y=22.0", Z=21.0" travel; 20 HP; cat 50 holders; 3300 lbs. table load.

Bridgeport Series II Interact-2 Milling Machine - Heidenhein TNC-155 control; X=30", Y=16", Z=5" travel; positioning accuracy of .0005.

(2) Manual Bridgeport Vertical Mills - Power feed; digital read outs; dividing heads; arbors; rotary tables; rotary heads; sin tables.

Lathes

Nardini Fast Trace VS - CNC lathe; 440MM turning Diameter; 1000MM turning length; CNC Fanuc Series 20-T control; 52MM spindle bore; 220MM center height; 900KG workpiece weight.

Clausing Colchester - height of centers 7.67"; swing over bed 15.75"; swing over cross slide 9.75"; spindle bore 2.125"; 10HP.

Programming Software

2 - Seats of Cimatron E8.5

3 - Cimatron viewers out on the floor

2 - Seats of Mastercam Rev. 9

1 - Seat of Delcam Power Shape

2 - Seats of Delcam Power Mill

1 - 3 port multi-tasking DNC system, running on a Pentium 3

Programming Hardware

2 - Dell Precision 490 Mini-Towers Quad Core Xeon Proc E5320 1.86 GHZ, 2X4MB L2 Cache 1066MHz, 4GB, DDR2 ECC SDRAM Memory 667MHz, nVidia, Quadro FX 3450, 256MB dual VGA or DVI, Graphics Card Dell Precision X90

1 - Dell Precision WorkStation 470, Processor, 80546K, 3.2G, 2M, XNI 800, Dual In-Line Memory Module, 1G 400M, 128X72, 8, 240, 1RX4, Graphics Card,256, FX3450 MRGA12

Gun Drill

Shibaura - 10 Speeds, 1400RPM per feed, 12 steps (each feed range); rapid travel (all directions) 126" per minute;

Spindle diameter 3.35"; spindle taper No. 50; rotation of table 1.2RPM; spindle travel 19.5"; headstock travel 39.4"; longitudinal travel 31.5"; table size 35.4" X 41.3"; max table load of 5,500; retrofit for gun drill cat 50 max gun drill unit; hole sizes from .125 diameter to 1.00 diameter, up to 60" deep.

Grinders

Okamoto - 6" X 12" manual surface grinder; SONY digital read out .0001 graduation.

Grand Rapids 370 - Capacity 12" X 24"; maximum under wheel 20"; maximum table travel 29.5"; maximum cross table travel 13.25"; automatic cross travel; incremental down feed; power spindle elevation; coolant; 5 HP spindle motor.

Gallmeyer & Livingston 208 - Grinding capacity 8" X 24"; maximum work height 12"; power longitudinal & cross table feeds; coolant; 2HP spindle motor.

D-M-E PPC 750 Grinding Machine - Precision pin cut-off grinding machine

Complete Tool Grinding Capabilities

Cincinnati Monoset tool grinder

Covel tool grinder

Top Worth CM-2 tool grinder

Jones and Shipman tool grinder

Kqoming Supermax tool grinder