



PRECISE TURNING & MANUFACTURING CO.

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FACILITIES LIST 2016

TURNING:

KIA SKT 21B CNC TURNING CENTER 13 ¾" X 16" 2 ½" THRU BORE
LNS BAR FEEDER / PROGRAMABLE TAILSTOCK / TURBO CHIP CONVEYOR /
PARTS CATCHER / 10" CHUCK / 16C COLLET

CLAUSING STORM 80 CNC TURNING CENTER
6000 RPM/ 6" CHUCK/ 16C + 5C COLLET SYSTEM
VDI TOOLING/ PROGRAMABLE TAILSTOCK

PROTO-TRAC: TRAK TRL 1840 CSS 18" X 40" 2 ⅜" THRU BORE
10" ADJUST-TRU CHUCK / 5C COLLET CLOSER / DAREX TOOL INDEXER /
ALORIS TOOL POST

MILLING:

HAAS VF-2SSYT NEW 2016 | 20" X 30"
25 TOOL ATC | 4TH AXIS | 12000 RPM | RIDGED TAPPING | CHIP
CONVEYOR | PROGRAMABLE COOLANT | 1400 IPM RAPIDS | RENISHAW
WIRELESS PROBING | AIR BLAST

HAAS VF-2 VMC NEW 1998 / 16" X 30"
20 TOOL ATC / 4TH AXIS / 7500RPM / RIDGED TAPPING CHIP CONVEYOR /
PROGRAMABLE COOLANT / COORDINATE ROTATION & SCALING /
MACROS

HAAS VF-4 VMC NEW 2001 / 20" X 50"
25 TOOL ATC / 4TH AXIS / 7500 RPM / RIDGED TAPPING CHIP CONVEYOR /
PROGRAMABLE COOLANT / COORDINATE ROTATION & SCALING /
MACROS

BRIDGEPORT 9" X 48" (2 OF THESE MACHINES)

PROTO-TRAK A.G.E. 2 CNC X AND Y CONTROL WITH Z READOUT /
TAPPING HEAD / QUICK CHANGE TOOLS / RIGHT ANGLE HEAD / 8"
WALTERS ROTANGLE / SUPER SPACER-INDEXER / 5C QUICK CHANGE
COLLET HOLDER
4, 6 & 8" KURT VICES

MAZAK H400N 7APC CNC HORIZONTAL MACHINING CENTER:

MAZATROL M-32 CONVERSATIONAL CNC CONTROL
20" CUBE MACHINING CAPACITY
120 TOOL AUTOMATIC TOOL CHANGER
RIGID TAPPING (SYNCHRONOUS / SOLID TAPPING)
10,000-RPM COOLANT THROUGH THE SPINDLE,
7 PALLET AUTO STOCKER SYSTEM, RENISHAW PROBING
GLASS SCALES HIGH ACCURACY PACKAGE ON X, Y & Z
FULL FOURTH AXIS HIGH TORQUE PACKAGE ON B-AXIS
EXTRA MEMORY, DNC PACKAGE,
TOOL LIFE MANAGEMENT, TOOL BREAKAGE DETECTION
TOOL LENGTH MEASUREMENT, TOOL LIFE MONITORING

4TH AXIS TOOLING

HAAS HA5C INDEXER 5C COLLET / 4" CHUCK
HAAS HRT 210 8" ROTARY TABLE
HAAS HRT A6 UNIVERSAL ROTARY / 5C&16C
COLLET W/A6-AC PNUMATIC DRAW BAR /
8" ADJUST-TRU CHUCK / 8" FACE PLATE

GUNDRILLING:

ELDORADO MEGA M75
3/4" X 18" DEEP, SINGLE SPINDLE, BALL SCREW,
HIGH PRESSURE COOLANT

OD GRINDING:

CHEVALIER: GU1424 ID/OD GRINDER 14" X 24"

FULLY EQUIPED FOR ID + OD GRINDING/ SONY DRO
6 JAW CHUCK, MAG CHUCK, FACE PLATES, STEADY REST, AUTO COOLANT
FILTERATION

EXCELLO CENTER LAP

SURFACE GRINDING:

CHEVALIER FSD 818 AD 3 AXIS AUTOMATIC 8" X 18"

.00005 MICRO FEEDS / 8 X 18 VARIABLE ELECTRO-MAG CHUCK/ FLOOD COOLANT

HARIG SUPER 6" X 12" TOOL ROOM SURFACE GRINDER

EQUIPPED WITH: SPIN GRIND FIXTURE / UNIVERSAL GRIND FIXTURE / VICES / ANGLE IRONS

CUTOFF SAWS:

W.F. WELLS MODEL W-9 CUT-OFF SAW, 9" DIAMETER CAPACITY

MISCELLANEOUS:

CLAUSING 4 HEAD DRILL PRESS, DRILL PRESS VISE, ANGLE VISE

DURACRAFT ½" DRILL PRESS, DRILL PRESS VISE, ANGLE VISE

NUMBER 3 ARBOR PRESS

1"& 6" BELTSANDERS / 9" DISC SANDER

ASSORTED DEBURRING AND POLISHING EQUIPMENT / PEDESTAL GRINDERS

PART MARKING SYSTEMS

VIBRO-MARKER

MISCELLANEOUS SIZE STAMPS

INSPECTION EQUIPMENT:

CMM:

BROWN& SHARPE GAGE 2000 NEW 2000

J&L COMPARATOR MODEL BC/7

J&L COMPARATOR 14"

**STARRETT CRYSTAL PINK SURFACE PLATE 48" X 48"
INSPECTION GRADE A**

GRANITE SURFACE PLATE 36" X 36" INSPECTION GRADE A

GRANITE SURFACE PLATES 12" X 18" INSPECTION GRADE A (2)

GRANITE SURFACE PLATE 24" X 36" INSPECTION GRADE A (2)

GRANITE SURFACE PLATE 18" X 24" INSPECTION GRADE A

CAST IRON SURFACE PLATE 12" X 18"

BROWN & SHARPE 12" HITE-ICATOR HEIGHT MASTER (2)

MITUTOYO 24" DIGITAL HIGHT STAND

FEDERAL SURFACE GAGES (3)

4" CYLINDRICAL SQUARE

3 BENCH CENTERS FOR INSPECTION:

BROWN & SHARPE 8" DIAMETER X 36" LONG

SUNSTRAND 9" DIAMETER X 48" LONG

4 SETS 80 PIECE GAGE BLOCKS

P&W .010-.090 SIZE BLOCK SET

ANGLE BLOCK SET

STARRETT 0"-9" DEPTH MICROMETER SETS (2)

STARRETT 0"-3" DEPTH MICROMETER SET

0"-12" DIAL VERNIER CALIPER

14" VERNIER CALIPER

24" VERNIER CALIPERS (2)

36" STARRETT VERNIER CALIPERS

MITUTOYO 0-4" OD DIGITAL MICS WITH STANDARDS

YUASA 0"-12" MICROMETER SET WITH STANDARDS

STARRETT 12"-18" OD MIC SET WITH CALIBRATION STANDARDS

0"-1" THREAD MICROMETER SET WITH FULL SET OF ANVILS

1"-2" THREAD MICROMETER SET WITH FULL SET OF ANVILS

0"-1" FOWLER INDICATOR MASTER MICS .0001 (3)

0"-1" GROOVE MICROMETER

1"-2" GROOVE MICROMETER

2"-3" GROOVE MICROMETER

STARRETT 2"-12" INSIDE MICROMETER SETS (2)

INDI-CAL UNIVERSAL BORE & GROOVE GAGE WITH .001 DIAL INDICATORS

SPI INTEREST BORE AND GROOVE GAGE .4-1.2 CAPACITY, .0005 GRADUATIONS

.7"-1.4" DIAL BORE GAGES (SUNNEN & MITUTOYO)

1.4"-2.5" DIAL BORE GAGES (2) (SUNNEN & MITUTOYO)

2"-6" DIAL BORE GAGES (SUNNEN & MITUTOYO)

SUNNEN SETTING FIXTURES

INSPECTION EQUIPMENT: *continued*

DIAL INDICATORS – MANY DIFFERENT STYLES AND TYPES TO .00005 GRADUATIONS

PROTRACTORS (2)

STARRET RADIUS GAGE SET 1/64" - 1/2"

FOWLER SURFACE ROUGHNESS STANDARD

PLUG GAGES (.011"-1.000" TOTAL SPAN)

ASSORTED SIZE V BLOCKS

ASSORTED SIZE ANGLE IRONS

ASSORTED THREAD GAGES

3" SINE VISE

5" SINE PLATE

10" SINE PLATE

5" SINE BAR

MAG BLOCKS

MAG VEE BLOCKS

MISC MAG PARALLELS

SPINNERS –5C COLLET TYPE AND CENTERS TYPE

BAUSH & LOMB MICROSCOPE

NUMEROUS HAND TOOLS AND GAGES

SOFTWARE:

SOLIDWORKS 2016

CAD

CAMWORKS 2016

CAD-CAM TURNING, & MILLING

MICRO ESTIMATING SYSTEMS

MACHINE SHOP ESTIMATING SOFTWARE

FAST CABLE INTERNET CONNECTION:

FOR QUICK QUOTE TURN AROUND, E-MAIL YOUR DRAWINGS
THE FOLLOWING FORMATS ARE SUPPORTED:

*.DXF, .DWG, .STEP, .X_T, .X_B, .PRT, .IPT,
.ASM, .XPR, .XAS, .SLDPRT, .IGS, .STL.*

TO: *gary@preciseturning.com*

SHOP CONTROL:

M1 BY ECI
SHOP FLOOR CONTROL
FINANCIAL MANAGEMENT

SUPPORT SERVICES AVAILABLE:

HEAT TREATING
PLATING
PAINTING
WELDING
EDM
WATER-JET CUTTING
LASER CUTTING & MARKING
SHEET METAL
NON-DISTRUCSIVE TESTING