

# **PRECISE TURNING & MANUFACTURING CO.**

28 RAMAH CIRCLE NORTH / AGAWAM, MA 01001

## **FACILITIES LIST 2021**

### **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 MINI MILL NEW 2019 / 12" X 16"**  
10 STATION AUTOMATIC TOOL CHANGER / 6000 RPM SPINDLE / 40  
TAPER / BELT DRIVE / 7.5 HP (5.6 KW) VECTOR DRIVE/ WIFI  
CONNECTION FOR THE HAAS CONTROL / AUTO AIR GUN /  
PROGRAMABLE COOLANT NOZZLE / RIDGID TAPPING

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

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

**HAAS VF-4 VMC / 20" X 50"**  
25 TOOL ATC / 4<sup>TH</sup> 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

**4<sup>TH</sup> 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**

**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**

**DIAL INDICATORS – MANY DIFFERENT STYLES AND TYPES TO .0005 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 2021**  
CAD

**CAMWORKS 2021**  
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., .PDF, .RTF, .ODT.**

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**SHOP CONTROL:**

**MI BY ECI**  
SHOP FLOOR CONTROL  
FINANCIAL MANAGEMENT

**SUPPORT SERVICES AVAILABLE:**

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