# FACILITIES LIST 2010

**LA MACHINE SHOP, INC**
15740 LINCOLN STREET NE
HAM LAKE MN 55304

## CNC TURNING EQUIPMENT
- 1 **TAKISAWA**, 2-7/8 CAPACITY BARFEED WITH CHUCKING UP TO 13” DIAMETER.
- 1 **WASINO LG-60 CNC CHUCKER** WITH UP TO 4” DIAMETER CHUCKING CAPACITY.
- 2 **MIYANO BNC 51S**, 1 ¼” CAPACITY CNC TURNING CENTER WITH SUB SPINDLE. 5 AXIS WITH AUTO BAR LOADER.
- 1 **MIYANO BNC20**, 7/8” CAPACITY CNC TURNING CENTER
- 1 **MIYANO BNC34S**, 1.250” CAPACITY CNC TURNING CENTER WITH SUB SPINDLE. 4 AXIS WITH AUTO BAR LOADER.
- 1 **MIYANO BNC34T** TURNING CENTER. 4 AXIS
- 1 **MIYANO BNC 51s LARGE BORE** 5 AXIS WITH AUTO BAR LOADER.
- 1 **MIYANO LZ01**, SECOND OP MACHINE WITH AUTO LOADER.
- 1 **KIA 30** CNC LATHE, 1-1/4” CAPACITY BARFEED AND 8” CHUCKING CAPACITY.
- 1 **PUMA 230MSB** WITH 2-1/2” CAPACITY BARFEED AND SUBSPINDLE WITH AUTO BAR LOADER.
- 1 **OMNITURN CNC LATHE**

## SWISS TURNING EQUIPMENT
- 1 **TSUGAMI B012** CNC SWISS TYPE AUTOMATIC SCREW MACHINE WITH 7/16” CAPACITY. 4 AXIS
- 1 **TSUGAMI S16** CNC SWISS TYPE AUTOMATIC SCREW MACHINE WITH 5/8” CAPACITY. 6 AXIS.
- 2 **TSUGAMI NT17** SWISS TYPE AUTOMATIC SCREW MACHINES WITH 5/8” CAPACITY BARFEED. 4 AXIS
- 2 **TSUGAMI BS18** SWISS TYPE AUTOMATIC SCREW MACHINE, WITH CROSS MILLING, DRILLING AND SLOTTING CAPABILITIES. 7 AXIS
- 1 **TSUGAMI BS20** SWISS TYPE AUTOMATIC SCREW MACHINE, WITH CROSS MILLING, DRILLING AND SLOTTING CAPABILITIES. 7 AXIS
- 4 **TSUGAMI NP32** CNC SWISS TYPE AUTOMATIC SCREW MACHINES WITH 1-1/4” CAPACITY BARFEED, WITH CROSS MILLING, DRILLING AND SLOTTING CAPABILITIES. 3-6 AXIS AND AUTO BAR LOADERS.
- 1 **NOMURA NN-20** SWISS TYPE SCREW MACHINE WITH ¾ DIA CAPACITY AND AUTO BAR LOADER.

## OTHER TURNING EQUIPMENT
- 1 #2 **BROWN & SHARPE SINGLE SPINDLE AUTOMATICS** WITH 1-5/8” CAPACITY.
- 1 #00 **ULTRA-MATIC BROWNE & SHARPE SINGLE SPINDLE AUTOMATICS** WITH 5/8” CAPACITY.
- 2 **HARDINGE CHUCKERS**, WITH DIGITAL READOUT.
- 1 **HARDINGE HAND SCREW MACHINES** WITH 1-1/16” CAPACITY.
- 1 **HARDINGE SPEED LATHE** FOR SECOND OPERATION & DEBURRING WORK.
- 1 **HARRISON AA TOOL ROOM LATHE** WITH 18” SWING AND 32” BED.

## CNC AND MANUAL MILLING EQUIPMENT
- 1 **MIYANO MODEL MTV-T310** CNC ULTR HIGH SPEED DRILL/TAP MACHINE, LASER VERIFIED.
- 2 **HAAS VF2-SS VERTICAL MILLING CENTER** WITH 30x16x20 TRAVEL.
- 1 **SUPER MAX VERTICAL MILLING CENTER** WITH 28x16x20 TRAVEL.
- 1 **DYNA CNC VERTICAL MILLING CENTER** WITH 19-1/2” x 13 x 15 TRAVEL.
- 1 **MATSUURA CNC VERTICAL MILLING CENTER** WITH 16x12x11 TRAVEL.
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◊ 1 SHARP ACU-RITE CNC VERTICAL MILLING CENTER WITH 30 x 12 TRAVEL.
◊ 2 BRIDGEPORT VERTICAL MILLS WITH DIGITAL READOUT.
◊ 1 MANUAL HORIZONTAL PRODUCTION MILL WITH 8" TRAVEL.

GRINDING EQUIPMENT

◊ 1 K.O.LEE TOOL AND CUTTER GRINDER WITH SURFACE GRINDING ATTACHMENT.
◊ 1 NICCO SURFACE GRINDER.
◊ 1 KBC CENTERLESS GRINDER WITH 1/8" TO 1" CAPACITY.

INSPECTION EQUIPMENT

◊ 1 RAHN 2 FOOT SQUARE FOOT SURFACE PLATE.
◊ 1 NUMBREX COMPUTERIZED C.M.M. WITH 2 SQUARE FOOT SURFACE PLATE.
◊ 2 SETS MITUTOYO MASTER GAGE BLOCKS.
◊ 3 SETS MITUTOYO GAGE PINS.
◊ 2 SETS MEYER PRECISION GAGE PINS.
◊ 1 MITUTOYO 24 INCH HIGH INDICATOR.
◊ 1 MITUTOYO 5 FOOT VERNIER CALIPER.
◊ 1 SET THREAD GAGE PLUGS - UP TO 1-1/16".
◊ 1 SET THREAD RING GAGES - UP TO 1-1/8"
◊ 1 "GAGE MASTER" OPTICAL COMPARATOR WITH DIGITAL READOUT.
◊ 1 SURFOMETER - SURFACE ROUGHNESS MEASURING SYSTEM.
◊ MISCELLANEOUS MICROMETERS, DIAL INDICATORS, BORE GAGES, AND HAND HELD PRECISION MEASURING EQUIPMENT.
◊ DELTRONIC DIGITAL COMPAIRATOR 20X LENS WITH DIGITAL READOUT.
◊ 2 MITUTOYO DIGITAL BORE MICS

MISCELLANEOUS EQUIPMENT

◊ 1 VIBRASHEEN TUMBLER.
◊ 1 AFI, INC. VIBRATOR PARTS FINISHER.
◊ 1 DREHER, INC. CENTRIFICAL PARTS FINISHER.
◊ 1 SUNNEN HONE WITH UP TO 1-1/8" CAPACITY.
◊ 2 VERTICAL BAND SAW.
◊ 1 HORIZONTAL BAND SAW WITH 10" CAPACITY.
◊ 1 CLAUSING 3 SPINDLE DRILL PRESS BANK.
◊ 4 FREE STANDING DRILL PRESS.
◊ 7 BENCH TYPE DRILL PRESSES.
◊ 1 PRO-PEN ENGRAVER