

# **J & E PRECISION TOOL INC.**

## **FACILITY LIST**

REVISED 4/06/2021

### **CNC PRODUCTION MILLING**

2021 YASADA PX30i 5 AXIS MACHINING CTR, 20000 RPM, 26.77" X 15.74" X 19.68" TRAVEL	2005 MATSUURA MAM72-63V VERTICAL, 5 AXIS, 6 PALLET, 240 TOOL STATION 20,000 RPM, 30" X 33" X 24" TRAVEL
2021 SMART SX 4000 HORIZONTAL 4 AXIS, 15,000 RPM, 22.05 X 22.05 X 27.17 TRAVEL	2005 FANUC ROBODRILL ALPHA T21 IE VERTICAL, 3 AXIS, 21 TOOL STATIONS 24,000 RPM, 19" X 15" X 13" TRAVEL
2021 SMART SX 1165 VERTICAL 4 AXIS, 12,000 RPM, 43.31 X 25.59, 24.02 TRAVEL	2005 MATSUURA ES-1000V VERTICAL, 4 AXIS, 40 TOOL STATION 12,000 RPM, 40" X 21" X 20" TRAVEL
2021 OKK HM-X8000 HORIZONTAL, 5 AXIS, 12,000 RPM, 51.18 X 43.31 X 61.02 TRAVEL	2005 MATSUURA RA-2G VERTICAL, 3 AXIS, 2 PALLET, 40 TOOL STATION, 12,000 RPM, 26" X 18" X 19" TRAVEL
(2) 2018 QUASER MV184E/12B VERTICAL, 3 AXIS, 12,000 RPM, 47.2" X 23.6" X 33.7" TRAVEL	2005 SUPERMAX YCM-MV106A VERTICAL, 4 AXIS, 24 TOOL STATION, 10,000 RPM 40" X 23" X 23" TRAVEL
(2) 2018 OKK VC-X350 VERTICAL, 5 AXIS, 60 TOOL MAGAZINE, 12,000 RPM 30 HP CAT 40, 23.62" X 16.93" X 18.11 TRAVEL	2004 MATSUURA V-MAX-800 VERTICAL, 5 AXIS, 40 TOOL STATION, 20,000 RPM, 25" X 23" X 20" TRAVEL
2016 MATSUURA VX-1000 VERTICAL, 3 AXIS, 60 TOOL STATION, 15,000 RPM, 40.15" X 24.01" X 24.01" TRAVEL	2004 OKK HM600 HORIZONTAL, 4 AXIS, 2 PALLET, 60 TOOL STATION 12,000 RPM, 30" X 29" X 31" TRAVEL
2015 OKUMA MA-600H II HORIZONTAL 4 AXIS, 2 PALLET, 141 TOOL STATION, 12,000 RPM, 39" X 35" X 39" TRAVEL	2002 MATSUURA H-PLUS-630 HORIZONTAL, 4 AXIS, 2 PALLET, 240 TOOL STATION, 12,000 RPM, 41" X 41" X 34" TRAVEL
2015 FANUC ROBODRILL ALPHA T21 IE VERTICAL, 3 AXIS, 21 TOOL STATIONS 24,000 RPM, 19" X 15" X 13" TRAVEL	1998 MATSUURA MC760 VERTICAL, 4 AXIS, 24 TOOL STATION 7500 RPM, 30" X 16" X 19" TRAVEL
2013 MATSUURA H.PLUS-630 HORIZONTAL, 4 AXIS, 2 PALLET, 240 TOOL STATION, 10,000 RPM, 41" X 41" X 34" TRAVEL	1998 MATSUURA MC-800 VG VERTICAL, 4 AXIS, 30 TOOL STATIONS 10,000 RPM, 31" X 20" X 20" TRAVEL
2011 MATSUURA ES-800V PC2 VERTICAL, 3 AXIS, 2 PALLET, 30 TOOL STATION, 12,000 RPM, 31" X 21" X 19" TRAVEL	1998 MATSUURA MC-800 VF VERTICAL, 4 AXIS, 30 TOOL STATIONS, 8,000 RPM, 31" X 17" X 19" TRAVEL
2009 OKUMA MA-600HB HORIZONTAL, 4 AXIS, 10 PALLET, 171 TOOL STATION 12,000 RPM, 40" X 35" X 35" TRAVEL	1991 RA-5 DC TWIN SPINDLE VERTICAL, 3 AXIS, 2 PALLETS, (2) 30 TOOL STATIONS, 4500 RPM, 41" X 22" X 22" TRAVEL
2008 OKUMA MA-500HB HORIZONTAL, 4 AXIS, 2 PALLET, 60 TOOL STATION, 12,000 RPM, 27" X 35" X 30" TRAVEL	1990 MATSUURA MC-600 V VERTICAL, 4 AXIS, 20 TOOL STATIONS, 7,000 RPM, 23" X 16" X 18" TRAVEL
(2) 2008 OKK VM7 VERTICAL, 4 AXIS, 30 TOOL STATION 12,000 RPM, 60" X 30" X 26" TRAVEL	
(2) 2007 MATSUURA MAM72-63V VERTICAL, 5 AXIS, 2 PALLET, 120 TOOL STATION, 20,000 RPM, 30" X 33" X 24" TRAVEL	
2007 MATSUURA MAM72-63V VERTICAL, 5 AXIS, 6 PALLET, 240 TOOL STATION, 20,000 RPM, 30" X 33" X 24" TRAVEL	

### **CNC PRODUCTION MILL / TURN**

2009 OKUMA MULTUS B400-W, 7 AXIS,  
Ø 28" X 61" MAX WORK PIECE, 20 TOOL  
STATION, 6000 RPM LIVE TOOL SPINDLE,  
3,800 RPM TWIN OPPOSING SPINDLES,  
27" X 9" X 61" TRAVEL

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### **CNC PRODUCTION TURNING**

2019 SME SL 3500BL 2 AXIS HORIZONTAL  
LATHE, 2,800 SPINDLE, FANUC 0i-TF  
CONTORL

2019 SMEC SL 2000B (SL 2000) 2 AXIS  
HORIZONTAL LATHE, 4,500 SPINDLE, FANUC  
0i-TD CONTORL

2015 NAKAMURA TOME SC-450L TURNING  
CENTER 22 INCH MAZ WORK PIECE, 12 TOOL  
STATIONS, FANUC 0i-TD CONTORL

2006 NAKAMURA TOME SC-450 TURNING  
CENTER 22 INCH MAX WORK PIECE, 12 TOOL  
STATIONS, FANUC 21TB CONTROL

2005 YCM TC-26 2 AXIS LATHE WITH FANUC  
CONTROL

2002 DOOSAN S550L TURNING CENTER 22  
INCH MAX X 44.5" LONG WORK PIECE, 12  
TOOL STATIONS, FANUC 21TB CONTROL

(2) 1999 NAKAMURA TOME SC-450 TURNING  
CENTER 22 INCH MAX WORK PIECE, 12 TOOL  
STATIONS, FANUC 21TB CONTROL

1999 NAKAMURA TOME SC-300 TURNING  
CENTER 16 INCH MAX WORK PIECE, 12 TOOL  
STATIONS, FANUC 21TB CONTROL

1998 NAKAMURA TOME SC-300 TURNING  
CENTER 16 INCH MAX WORK PIECE 12 TOOL  
STATIONS FANUC 21TB CONTROL

1995 NAKAMURA SLANT 1 TURNING  
CENTER 20 INCH MAXIMUM WORK PIECE 12  
TOOL STATIONS FANUC 0T CONTROL

1992 NAKAMURA SLANT 1 TURNING  
CENTER 13 INCH MAXIMUM WORK PIECE 12  
TOOL STATIONS FANUC 0T CONTROL

1990 NAKAMURA SLANT 1 TURNING  
CENTER 13 INCH MAXIMUM WORK PIECE 12  
TOOL STATIONS FANUC 11T CONTROL

### **MANUAL PRODUCTION**

CNC BRIDGEPORT MACHINE SERIES 1  
3" DIMENSIONAL CONTOURING  
CAPABILTY

(3) BRIDGEPORT MACHINE SERIES 1  
12" X 42" TABLE WITH DIGITAL READOUTS  
POWER FEED

(2) LATHES MAXTURN 14" X 36" THREADING  
ATTACHMENT

40" DIAMETER SWING ENGINE LATHE  
THREADING WITH TAPER ATTACHMENT

### **EDM**

2008 FANUC ALPHA ID 12" WIRE EDM 23.6 X  
15.7 X 12 .2 TRAVEL+/- 45 DEGREE TAPER

2003 FANUC ALPHA 11b-S/A WF 12" WIRE EDM  
22" X 15" X 12" TRAVEL, +/- 45 DEG. TAPER  
ANGLE

### **GRINDING / HONING**

STUDER S33 ID, OD, THREAD GRINDER 26" X  
40"

HARIG SURFACE GRINDER 6" X 12" INDEXING  
FIXTURE AND RADIUS DRESSOR

CHEVALIER FSG-818AD SURFACE GRINDER 8"  
X 17" MAGNETIC VISE

MITSUI MSG-407 SURFACE GRINDER  
16" X 27" MAGNETIC VISE

(3) SUNNEN MBB-1660 ID. HONE

SUNNEN MBB-1650 ID POWER STROKER

BROWN & SHARPE 1236 MICROMASTER

### **SCREW MACHINE**

2018 TSUGAMI B0325-II SWISS TURNING  
5 AXIS, 27 TOOL POSITIONS, FANUC 0I-TD CNC  
CONTROL

### **SOFTWARE**

(6) MASTERCAM X6-X9 LEVEL 3, CAD CAM  
SYSTEMS WITH FULL MULTI AXIS  
CONTOURING CAPABILITY & SOLIDS

MASTERCAM LATHE

MASTERCAM EDM

CATIA VERSION 5 R21

AUTOCAD 2000

PRO-ENGINEER

PC-DIMS 2014

SOLID WORKS

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### **MEASURING**

COMPLETE STATE OF THE ART CLEAN  
INSPECTION ROOM, WITH ALL THE LATEST  
PERTINENT EQUIPMENT INCLUDING:

2021 HEXAGON METROLOGY, ABSOLUTE  
ARM 85 LASER SCANNER

2020 BROWN & SHARPE, GLOBAL SILVER  
ADVANTAGE 12-15-10 COORDINATE  
MEASURING MACHINE

2008 MITUTOYO QM HEIST 600 24" TRAVEL

2008 MITUTOYO PH3500 OPTICAL  
COMPARITOR

2010 BROWN & SHARPE GLOBAL  
ADVANTAGE 9-12-8 COORDINATE  
MEASURING MACHINE

2012 BROWN & SHARPE GLOBAL  
ADVANTAGE 12-15-10 COORDINATE  
MEASURING MACHINE

2007 BROWN & SHARPE GLOBAL  
ADVANTAGE 9-12-8 COORDINATE  
MEASURING MACHINE

2004 BROWN & SHARPE GLOBAL IMAGE  
9-12-8 COORDINATE MEASURING MACHINE

(2) 2003 BROWN & SHARPE GAGE 2000R  
COORDINATE MEASURING MACHINE

(2) 2003 TRIMOS DIGITAL HEIGHT GAGE,

2002 VECTOR MICROVIEW, 250X VIDEO  
MEASURING SYSTEM

2009 TESA VISIO 300 DCC

1993 MITUTOYO PJ 303-150 COMPARITOR

1000 + CALIBRATED GAGES TRACEABLE TO  
N.I.S.T

2006 TESASCOPE 355H 14" OPTICAL  
COMPARATOR WITH TS-200 READOUT WITH  
EDGE DETECTION

2006 TESA MICRO-HITE 3D – X 24" Y 18" Z 18"

2006 TESA 24" MICRO-HITE 600

2020 FOWLER-TRIMOS V4 ELECTRONIC  
HEIGHT GAGE

### **OTHER EQUIPMENT**

AMADA PLSAW330 PULSE CUTTING SAW  
13" X 13" CAPACITY

W.F. WELLS MODEL W-9 CUT OFF SAW  
WITH BF-20-1 BAR FEED

(2) GROB VERTICAL BAND SAW

REED A22B THREAD ROLL  
¼" – 3 ¾" THREAD DIAMETER

GPT 8000CSA RIVET PRESS

DRY GLASS BEAD CABINET 36" X 24"

PEXTO 42" SHEET METAL SHEAR 16 GAGE  
CAPACITY

CONNECTICUT 48" SHEET METAL BOX & PAN  
BENDING BRAKE

FORK LIFT

SKYJACK 3219 ELECTRIC SCISSOR LIFT

DESPATCH PROTOCOL PLUS OVEN WITH  
TEMP/TIME CHARTING

CASCADE TEK TV0-2 VACUUM OVEN,  
12" X 20" X 12", DIGITAL CHART RECORDER

MILLER SYNCROWAVE 250 TIG WELDER

MILLER MILLERMATIC 250 MIG WELDER

KAESER SFC 55, 75 HP AIR COMPRESSOR

INGERSOL RAND, 25 HP AIR COMPRESSOR

SPACEMASTER SX 2-TON CRANE

SPANCO 500 LBS CRANE