

PRIMARY EQUIPMENT

CNC MACHINING CENTERS

- **(1) CNC-MATSUURA MAM 500 PC2 HORIZONTAL MACHINING CENTER**
WITH YASNAC I-80 CNC CONTROL, PALLET CHANGER, 40 TOOL MAGAZINE, 1000 PSI HYDRO-CELL THROUGH SPINDLE COOLANT, 12,000 RPM Spindle. FULL 4th AXIS.
AXIS TRAVELS – X-19.6" Y-14" Z-18"
- **(4) CNC-MATSUURA RA-IIIF VERTICAL MACHINING CENTER**
WITH YASNAC I-80 CNC CONTROL, PALLET CHANGER, 30 TOOL MAGAZINE, 1000 PSI HYDRO-CELL THROUGH SPINDLE COOLANT
AXIS TRAVELS – X-31" Y-17" Z-18"
- **(1) CNC-MATSUURA RA-IIIF VERTICAL MACHINING CENTER**
WITH YASNAC I-80 CNC CONTROL, PALLET CHANGER, 40 TOOL MAGAZINE, 1000 PSI HYDRO-CELL THROUGH SPINDLE COOLANT, 12,000 RPM Spindle
AXIS TRAVELS – X-31" Y-17" Z-18"
- **(1) CNC-MATSUURA MC-660VG VERTICAL MACHINING CENTER W/ YUASA 14" FULL 4TH AXIS ROTARY TABLE**
WITH YASNAC J-300 CONTROL, 30 TOOL MAGAZINE, 12,000 RPM Spindle
AXIS TRAVEL – X-26" Y-18" Z-19"
- **(1) CNC-MATSUURA RA-IIIF VERTICAL MACHINING CENTER**
WITH YASNAC I-80 CONTROL, PALLET CHANGER AND 20 TOOL MAGAZINE
AXIS TRAVEL – X-23" Y-16" Z-18"
- **(1) CNC-MATSUURA MC-600VF VERTICAL MACHINING CENTER W/ NIKKEN FULL 4TH AXIS AND 5TH AXIS POSITIONING ROTARY TABLE**
WITH YASNAC I-80 CONTROL AND 20 TOOL MAGAZINE
AXIS TRAVEL – X-23" Y-16" Z-18"
- **(1) CNC-MATSUURA MC-600VF VERTICAL MACHINING CENTER W/ TSUDAKOMA 12" FULL 4TH AXIS ROTARY TABLE**
WITH YASNAC I-80 CONTROL AND 20 TOOL MAGAZINE
300 PSI HYDRO-CELL THROUGH SPINDLE COOLANT
AXIS TRAVEL – X-23" Y-16" Z-18"
- **(1) CNC-MATSUURA MC-600VF VERTICAL MACHINING CENTER**
WITH YASNAC MX-3 CONTROL AND 20 TOOL MAGAZINE
AXIS TRAVEL – X-23" Y-16" Z-18"
- **(1) CNC-MATSUURA MC510VF VERTICAL MACHINING CENTER**
WITH YASNAC I-80 CONTROL AND 20 TOOL MAGAZINE
AXIS TRAVEL – X-20" Y-14" Z-18"
- **(2) HAAS ROTARY INDEXERS**

CNC TURNING CENTERS

- **(1) NAKAMURA TOME SC-300 CNC TURNING CENTER**
13" DIA TURNING CAPACITY AND 45" BETWEEN CENTERS
2.8" DIA. BAR CAPACITY – 10" CHUCK, TAILSTOCK, WITH FANUC 21-T CONTROL
- **(1) NAKAMURA TOME SC-250 CNC TURNING CENTER**
8" DIA TURNING CAPACITY AND 36" BETWEEN CENTERS

2.0" DIA. BAR CAPACITY – 8" CHUCK, TAILSTOCK, WITH FANUC 21-T CONTROL

- **(1) NAKAMURA TOME TW-20 6 AXIS CNC TURNING CENTER (LIVE TOOLING)**
13" DIA TURNING CAPACITY x 48" BETWEEN CENTERS
2.8" DIA. BAR CAPACITY – (2) 10" CHUCK, WITH FANUC 21-T CONTROL, TWIN SPINDLE, TWIN TURRET, LNS BAR-FEEDER, PARTS CONVEYOR AND TOOL PRESETTER. 1000 PSI HYDRO-CELL HIGH PRESSURE COOLANT FOR EACH SPINDLE
- **(1) NAKAMURA TOME TMC-2011 CNC SLANT BED TURNING CENTER-**
8" CHUCK WITH FANUC 18-T CONTROL AND BAR FEED
- **(1) NAKAMURA TOME TMC-15 CNC TURNING CENTER-**
6" CHUCK WITH FANUC 0-T CONTROL AND TAILSTOCK

WIRE EDM

- **(1) FANUC ROBO-CUT ALPHA-0C 5TH AXIS WIRE EDM**
AXIS TRAVEL – X-12" Y-8" Z-6"

AUTOMATICS

- **(2) HARDINGE AHC CHUCKING/TURNING CENTER**
WITH 12' BAR FEED

ENVIRONMENTALLY CONTROLLED INSPECTION AREA

- **(1) BROWN AND SHARPE / HEXAGON ONE 775 DCC CMM**
Measuring Range: 700mm (27.5") Y: 700mm (27.5") Z: 500mm (19.7")
DC241 Controller
HH-MI Manual Indexing Probe Head
Lenovo ThinkStation P520 Performance Workstation
PC-DMIS PRO
- **(1) MITUTOYO 14" COMPARATOR**
- **(1) MITUTOYO SURFACE PROFILOMETER**
- **(1) BROWN & SHARPE 24"**
2 AXIS MICRO-HITE
SPC READOUT & VARIOUS PROBE TIPS
- **(1) BROWN & SHARPE 18"**
2 AXIS MICRO-HITE
- **(1) 36"X48" HERMAN-STONE AAA ACCURACY SURFACE PLATE**
- **(1) 24"X36" STARRETT CRYSTAL PINK SURFACE PLATE**
- **(2) 18"X24" SURFACE PLATE**
- **(1) BAUSCH & LOMB 10X-30X MICROSCOPE**

FULLY EQUIPPED INSPECTION ROOM WITH ALL GAUGES, PLUGS, RINGS, ETC.

ITAR REGISTERED
MIL-SPECS
MIL-1-45208
MIL-STD-105D
MIL-STD-45662

SECONDARY EQUIPMENT

DRILLING

- (2) SOUTHBEND BENCH TOP DRILL PRESS
- (2) BURGMASER TURRET DRILL PRESS
- (1) TURNER AND WALKER FLOOR MODEL DRILL PRESS

MANUAL MILLING

- (5) BRIDGEPORT VERTICAL MILLING MACHINES
EACH WITH PROTOTRAK CNC AND/OR HEIDENHAIN DIGITAL
READOUT
- (1) BRIDGEPORT VERTICAL SHAPING HEAD ATTACHMENT
- (1) SOUTH BEND HORIZONTAL SHAPING HEAD

MANUAL TURNING

- (5) HARDINGE PRECISION HIGH SPEED LATHES
- (2) HARDINGE PRECISION CHUCKING LATHES W/DIGITAL
READOUTS
- (1) HARDINGE PRECISION TOOL MAKERS LATHE W/DIGITAL
READOUT
- (1) LEBLOND 17" ENGINE LATHE W/DIGITAL READOUT
- (1) SOUTHBEND 16" TURRET LATHE
- (1) SOUTHBEND 9" TURRET LATHE

GRINDING AND HONING

- (1) SUNNEN PRECISION HONING MACHINE
- (1) BROWNE AND SHARPE MICROMASTER SURFACE GRINDER
18"
- (1) REID SURFACE GRINDER 18"
- (2) PEDISTAL BENCH GRINDERS
- (2) SUBURBAN TOOL ROTARY GRINDING FIXTURES

WELDING

- (1) LINCOLN IDEAL ARC 250 TIG WELDER
- (2) LINCOLN 180 AMP MIG WELDERS
- (1) OXYGEN/ACETYLENE WELDING/CUTTING OUTFIT

SAWING

- (1) AMADA E250 FULLY AUTOMATIC CUT-OFF SAW
- (1) KALAMAZOO CUT-OFF SAW
- (1) KNOB VERTICAL BANDSAW
- (1) ABRASIVE CHOP SAW

MISC.

- (1) BUDGIT 2 TON ELECTRIC HOIST
- (1) 2 TON CHAIN FALL
- (1) YALE 8000LB FORK TRUCK
- (1) FORD F350 9' RACK BODY TRUCK

FINISHING

- (1) BURR KING TUMBLER
- (1) BURR KING TUMBLER
- (1) ROTARY TUMBLER
- (2) SHOT PEEN OUTFITS
- (1) HIGH SPEED POLISHING LATHE

ENGINEERING SOFTWARE

SOLIDWORKS 2021 WITH INTEGRATED CAMWORKS
INSPECTION EXPERT
PC-DMIS
TDWIN THREAD CHECKING SOFTWARE