



Providing Machining Services and a manufacturer of aircraft engine parts and helicopter parts.

Facility List - Turning Department

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| (2) TOSHIBA TUE-15
Vertical Turning Lathe
Fanuc 18-T CNC Control
Maximum Turning Dia. 71" | (2) JOHNFORD ST40CX with
Fanuc OiTc Control, CNC Turning Center
Maximum Dia. 36" |
| (1) Olympia Vertical Turning Lathe
with Fanuc 18i-T CNC Control
Maximum Turning Dia. 70" | (1) P&W STAR TURN 1800 Lathe with
Fanuc 10 TF Control, CNC Turning Center
Tailstock Graphic Control
Maximum Turning Dia. 34" |
| (1) BULLARD Vertical Turret Lathe with
Fanuc O-T CNC Control
Maximum Turning Dia. 70" | (1) P&W STAR-TURN 12-3015 Lathe with
Fanuc 6T Control, CNC Turning Center
Maximum Turning Dia. 30" |
| (1) CENTURY-TURN Vertical Boring
Machine with Fanuc 18i-T CNC Control
Maximum Turning Dia. 62" | (1) BULLARD Vertical Turret Lathe
Maximum Turning Dia. 36" |
| (1) BULLARD Vertical Turret Lathe with
Fanuc 18-T CNC Control
Maximum Turning Dia. 60" | (1) SHARP 26-80 Lathe, 10" & 16" Chuck
Maximum Turning Dia. 36" |
| (2) BULLARD Vertical Turret with
Fanuc O-T CNC Control
Maximum Turning Dia. 56" | (1) WEBB Lathe, 10" & 16" Chuck
Maximum Turning Dia. 32" |
| (2) BULLARD Vertical Turret Lathe with
Fanuc 10 TF CNC Control
Maximum Turning Dia. 56" | (1) TSUGAMI Chucker |
| (2) BULLARD Vertical Turret Lathe with
Fanuc GN10 Series CNC Control
Maximum Turning Dia. 46" | |

Facility List - Milling Department

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| <p>(1) NIIGATA HN80D with Fanuc 16iM control
90 tool ATC, CT50 Big Plus spindle
& 5th Axis Rotary Table
Travels X= 60.2" Y=48.4" Z= 40.2"
W=13.78"</p> | <p>(2) Johnford AHC-1600 HMC
Fanuc 18iM control w/Tsudakoma 5th axis
Travels X=64" Y=50" Z=40"</p> |
| <p>(2) KURAKI KMB-11X
with Fanuc 16i_M control
5th Axis 25" Tsudakoma Rotary Table
Travels X= 59.05" Y=47.24" Z= 27.56"
W=13.78"</p> | <p>(1) AKIRA-SEIKI HV 2100
with Fanuc 21i-M
4th axis Tsudakoma Rotary Table
Travels X= 84.0", Y= 40.0", Z= 32.0"</p> |
| <p>(2) HAAS Model EC-1600YZT
5th Axis 24" Rotary Table
Travels X=64.0", Y=50.0", Z=40.0"</p> | <p>(1) MORI SEIKI MH-80 MACHINING CENTER
With 2 pallet changer, Fanuc 11MA Control
5th axis Tsudakoma Rotary Table
Travels X=50.0", Y=32.0", Z=30.0"</p> |
| <p>(1) HAAS EC-1600
5th axis capabilities
Travels X= 64.0", Y=40.0", Z=32.0"</p> | <p>(1) DMU monoBLOCK 65
5 Axis vertical milling center
Travels X=28.9" Y=25.6" Z=22"</p> |
| <p>(1) HAAS VF-3
5th axis Trunnion Rotary Table
X= 30.0", Y=16.0", Z= 20.0"</p> | <p>(2) BRIDGEPORT MILLERS</p> |
| <p>(1) CINCINNATI MILLACRON 25 H
with Fanuc 11M Control,
5th axis Tsudakoma Rotary Table
Travels X= 80.0", Y= 35.5", Z= 32.0"</p> | <p>Honing Machine:
(1) KADIA UPH 350, VERTICAL
Overall Bore Capacity
Range .0788" – 1.576"</p> |



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Facility List - Inspection Department

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| (1) BROWN & SHARP Global Status
12.22.10 Dimension of CMM:
X= 50" Y= 90" Z=3 9" | (1) Computerized GageTrak system |
| (1) BROWN & SHARP Global Image
9158 Dimension of CMM:
X= 40" Y= 92" Z= 30" | (1) Bora scope |
| (1) BROWN & SHARP Global Advantage
15.22.10 CMM:
X= 59" Y= 87" Z= 39" | (1) Optical Comparator |
| (1) Zeus 2000QCHP 0-80"
0-2000mm High Accuracy Horizontal
Setting Instrument | (1) Hardness Tester |
| (1) Fowler Trimos V+ 25"

PC-DMIS Software w/Curves and
Surfaces Capability
Data Page realtime software
SPC Capabilities | STM also has a large variety of gages,
size blocks, calipers, indicators
and micrometers. |