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Facilities List

CNC Milling Machines

MAZAK VCN510C-II (x2)

X-Axis Travel:	41.34"
Y-Axis Travel:	20.87"
Z-Axis Travel:	20.08"
Table Size:	61.18" x 21.66"

Haas VF-6/50 with Haas TR310 Trunnion

X-Axis Travel:	64"
Y-Axis Travel:	32"
Z-Axis Travel:	30"
Platter Diameter:	12.2"
Max Weight on Platter:	500 lbs.
Part Swing Max:	32"
Spindle A (Tilt):	.001 to 50 °/sec
Spindle B (Rotary):	.001 to 50 °/sec

Haas VF-8/50

X-Axis Travel:	64"
Y-Axis Travel:	40"
Z-Axis Travel:	30"
Table Size:	64" x 36"

Haas VF-9/50 (x2)

X-Axis Travel:	84"
Y-Axis Travel:	40"
Z-Axis Travel:	30"
Table Size:	84" x 36"

Haas TM-1

X-Axis Travel:	30"
Y-Axis Travel:	12"
Z-Axis Travel:	16"
Table Size:	47.75" x 10.75"

Supermax MAX-3

X-Axis Travel:	33.9"
Y-Axis Travel:	17.3"
Z-Axis Travel:	24.8"
Table Size:	37.4" x 15.7"

Mori Seiki MV-40

X-Axis Travel:	31.5"
Y-Axis Travel:	16.1"
Z-Axis Travel:	20.1"
Table Size:	43.3" x 17.7"

Kuraki KBT-11WDX

X-Axis Travel:	78"
Y-Axis Travel:	59"
Z-Axis Travel:	50"
Quill Travel:	25"
Additional:	L-Head, Reverse Head

CNC Lathe Machines

Haas SL-30TB

Chuck Diameter:	15"
Swing:	30"
Max Turning Diameter:	17"
Max Workpiece Length:	34"

Mazak QTN-250-II

Chuck Diameter:	10"
Swing:	26.60"
Max Turning Diameter:	14.76"
Max Workpiece Length:	21.27"

Doosan DooTurn 310

Chuck Diameter:	10"
Swing:	19.69"
Max Turning Diameter:	12.2"
Max Workpiece Length:	17.72"

Giddings and Lewis VTL

Chuck Diameter:	42"
Swing:	48"
Max Turning Diameter:	17"
Max Workpiece Height:	36"
Additional:	Auto Tool Changer, 250RPM Speed, Independent Jaw Chucks

Webster-Bennet VTL

Chuck Diameter:	48"
Table:	60"
Max Workpiece Height:	31"

Bullard VTL

Chuck Diameter:	56"
Table:	70"
Swing:	67"
Max Workpiece Height:	3.5'

Electrical Discharge Machining

Mitsubishi FA20S Wire EDM

X-Axis Travel:	19.7"
Y-Axis Travel:	13.8"
Z-Axis Travel:	11.8"
Max Workpiece (XYZ):	41.3" x 31.5" x 11.6"

Charmilles D10 EDM Sinker

X-Axis Travel:	47"
Y-Axis Travel:	59"
Z-Axis Travel:	39"
Quill Travel:	18"
Maximum Table Load:	220 lbs.
Maximum Electrode Wgt:	66 lbs.

Fabrication/Sheet Metal Equipment

OMAX Waterjet Cutter

X-Axis Travel:	15"
Y-Axis Travel:	30"
Max Workpiece (XYZ)	96" x 48" x 6"

Shears (x3)

Up to 6' Width
Shear up to 12 Gauge Material

Press Brakes (x2)

Up to 100 Tons Press Force

Rolls (x2)

Up to 3' Width

Horizontal Saws (x3)

Up to 16" Width

Plasma Cutter

Cut up to 1" Thick Stainless Steel

Welding Equipment

MIG Welder (x2)
TIG Welder (x2)
Gas Welder (x2)

Manual Machines

Manual Lathes (x6)

Up to 39" swing and 39" between diameters

Manual Mills (x7)

Vertical Manual Mills (x5)
Horizontal Manual Mills (x2)

Quality Control

Sheffield Endeavor 12.15.10 CMM

X-Axis Travel:	47"
Y-Axis Travel:	59"
Z-Axis Travel:	39"

Sheffield Endeavor 9.15.10 CMM

X-Axis Travel:	34"
Y-Axis Travel:	59"
Z-Axis Travel:	39"

Rockwell Hardness Tester

Surface Plates (x4)

Starrett 400 Series Optical Comparator

Calipers and Micrometers