

CNC FACILITIES LIST

CNC HORIZONTAL MILLING CENTERS

QTY	MACHINE	MODEL	YEAR	DESCRIPTION
1	Toshiba Shibaura	BTD-13F.R22	2000	5" Spindle, Horizontal Boring Mill X axis = 120" Y axis = 90" Z axis = 63" W axis = 28" Full fifth axis with Rotary Index Table .001"
1	Toshiba Shibaura	BTD-110.R16	1998	4 ½ " Spindle, Horizontal Boring Mill X axis = 80" Y axis = 60" Z axis = 60" W axis = 20" Full fifth axis with Rotary Index Table .001"
1	Mazak	Mazatech FH-880	2003	Two Pallet Table Changer - Horizontal Machining Center X axis = 50" Y axis = 43" Z axis = 40"
1	Mazak	Mazatech H-630	1990	Two Pallet Table Changer - Horizontal Machining Center X axis = 40" Y axis = 32" Z axis = 30"
1	Mazak	Mazatech H-630	1990	Two Pallet Table Changer - Horizontal Machining Center X axis = 40" Y axis = 32" Z axis = 30"

CNC VERTICAL MILLING CENTERS

QTY	MACHINE	MODEL	YEAR	DESCRIPTION
1	Mazak	SV-25E	1994	X axis = 102" Y axis = 30" Z axis = 30" Forth axis on Rotary Index Table .001"
1	Mazak	Mazatech V-550	1989	X axis = 60" Y axis = 22" Z axis = 20" Forth axis on Rotary Index Table .001"
1	Mazak	VQC30/50A	1985	X axis = 40" Y axis = 30" Z axis = 28" Forth axis on Rotary Index Table .001"
1	Mazak	AJV-25/404	1989	X axis = 40" Y axis = 20" Z axis = 21" Forth axis on Rotary Index Table .001"
1	Mazak	VQC15/40	1987	X axis = 16" Y axis = 20" Z axis = 16" Forth axis on Rotary Index Table .001"

CNC HORIZONTAL TURNING CENTERS

QTY	MACHINE	MODEL	YEAR	DESCRIPTION
1	Mazak	Powermaster 1600 Chucker	1981	42" Maximum Diameter x 62" Z-Axis Travel 24" over the cross slide
1	Mazak	Powermaster PMN 3000U	1995	36" Maximum Diameter x 120" Between Centers 22" over the cross slide
1	Mazak	Quick turn Nexus 450M	2006	36" Maximum Diameter x 72" Between Centers Live tooling with milling & drilling capabilities 22" Diameter maximum shaft turning
1	Mazak	M4-1500U	1989	22" Maximum Diameter x 60" Between Centers 11" over the cross slide
1	Mazak	Quickturn 15N Universal	1989	17" Maximum Diameter x 20" Long 10" Maximum Machining Diameter

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CNC VERTICAL TURNING CENTERS

QTY	MACHINE	MODEL	YEAR	DESCRIPTION
1	Giddings & Lewis	VTL	Rebuilt 2007	82" Maximum Swing Diameter x 80" Tall Travel 72" Table Diameter

CNC WIRE ELECTRICAL DISCHARGE MACHINE (EDM)

QTY	MACHINE	MODEL	YEAR	DESCRIPTION
1	Mitsubishi	FA30 V	2005	Submersible Large Capacity EDM Working Envelope: 29.5" long x 24" Wide x 20" Tall

QUALITY CONTROL SYSTEMS

MITUTOYO COORDINATE MEASURING MACHINE

Year 2002 Model # BRT-M710 40" Long x 28" Wide x 28" Tall
IBM NetVista Computer system with GEOMeasure 3000 Software
Renishaw MH8 / TP2 Touch Probe Kit

OPTICAL COMPARITOR / HEIGHT GAGE / FULL COMPLIMENT OF QC INSTRUMENTS

QA PROGRAM TO ISO 9001 (not certified)

Uncontrolled QC Manual Available upon request
Procedures developed for: Document Control, Record Control, Management Review, Gage Calibration, Customer Satisfaction
Internal Audits, Inspection, Nonconforming Product, Corrective Action & Preventative Action.

ASSEMBLY SUPPORT EQUIPMENT

1 - JRI Heated Parts Washing Machine, de-greaser
1 - Steelman Electric Bake Oven, 450°F max., 65" x 65" x 65" for Interference fit / Shrink fits during assembly
Full compliment of assembly tooling, hydraulic equipment and handling devises

WELDING SUPPORT EQUIPMENT

1 - Miller Millermatic 185 Arc Welding Machine
1 - Miller Syncrowave 250 AC/DC Arc Welding Machine

MATERIAL HANDLING SYSTEMS

3 - 10 ton Overhead crane rail runways
15 - Jib Cranes: 1-5 tons capacity
1 - Forklift 12,000 lbs lifting capacity
3 - Forklift 5,000 lbs lifting capacity

