



Machinery List

VERTICAL MACHINING CENTERS

Okuma MC-4VAE

X	Axis Table	30.00"
Y	Axis Saddle	16.93"
Z	Axis Spindle Head	17.72"

Load Capacity	1,100 lbs.
Spindle Speed Range	50-6,000 rpm
Main Motor	10/7.5 hp
Automatic Tool Changer	20 tools
Cat 40 Taper	

Mori Seiki SV-503/40

X	Axis Table	31.5"
Y	Axis Saddle	20.1"
Z	Axis Spindle Head	20.1"

Load Capacity	2,200 lbs.
Spindle Speed Range	10-12,000 rpm
Main Motor	30/24.8 hp
Automatic Tool Changer	30 tools
Cat 40 Taper	

Okuma MC-50VA

X	Axis Table	41.34"
Y	Axis Saddle	20.08"
Z	Axis Spindle Head	22.05"

Load Capacity	2,200 lbs.
Spindle Speed Range	10-5,000 rpm
Main Motor	20/15 hp
Automatic Tool Changer	20 tools
Cat 50 Taper	



Machinery List

HORIZONTAL MACHINING CENTERS

Okuma MC-400 H (x2)

X	Axis Table	22.05"
Y	Axis Spindle Head	18.11"
Z	Axis Column	20.08"

Load Capacity 880 lbs.
Spindle Speed Range 45-7,000 rpm
Main Motor 15/10 hp
Automatic Tool Changer 32 tools
Automatic Pallet Changer w/Twin
Pallets, (15.75 x 15.75)
Cat 40 Taper

Mori Seiki SH-503

X	Axis Table	24.8"
Y	Axis Spindle Head	23.6"
Z	Axis Column	25.6"

Load Capacity 1,100 lbs.
Maximum Spindle Speed 12,000 rpm
Main Motor 20/24.7 hp
Automatic Tool Changer 40 tools
Automatic Pallet Changer w/Twin
Pallets (19.7 x 19.7)
Features Through Tool Coolant
Cat 40 Taper

Mori Seiki NHX 5000

X	Axis Table	28.7"
Y	Axis Spindle Head	28.7"
Z	Axis Column	34.6"

Load Capacity 1100 lbs.
Maximum Spindle Speed 12,000 rpm
Main Motor 20/15 hp.
Automatic Tool Changer 180
Automatic Pallet Changer w/Five
Pallets (19.7 x 19.7)
Features Chip Blaster Through Tool Coolant
Cat 40 Taper

Mori Seiki SH-403

X	Axis Table	22.0"
Y	Axis Spindle Head	20.1"
Z	Axis Column	20.1"

Load Capacity 1,100 lbs.
Spindle Speed Range 10-12,000 rpm
Main Motor 24.7/30 hp
Automatic Tool Changer 40 tools
Automatic Pallet Changer w/Twin
Pallets, (15.7 x 15.7)
Features Through Tool Coolant
Cat 40 Taper

Mori Seiki NH5000/40

X	Axis Table	24.8"
Y	Axis Spindle Head	23.6"
Z	Axis Column	26.4"

Load Capacity 1,100 lbs.
Spindle Speed Range 20,000 rpm
Main Motor 20/24.7 hp
Automatic Tool Changer 60 tools
Automatic Pallet Changer w/Six
Pallets (19.7 x 19.7)
Features Through Tool Coolant
Cat 40 Taper



Machinery List

CNC LATHES

Mori Seiki NL – 2000/500

X	Axis Travel	10.2"
Z	Axis Travel	23.2"

Bar Capacity	2.5"
Max. Spindle Speed Range	5000 rpm
Main Motor	20/15 hp
8" 3-Jaw Hydraulic Chuck	
No. of Tool Stations	12
Max. Turning Diameter	14"
Max. Turning Length	20"
w/IEMCA VIP 80E Magazine Bar Feeder	

Mori Seiki SL – 400B/2000

X	Axis Travel	13.5"
Z	Axis Travel	86.4"

Spindle Speed Range	2400 rpm
Main Motor	50/40 hp
15" 3-Jaw Hydraulic Chuck	
No. Of Tool Stations	12
Max. Turning Diameter	24.4"
Max. Turning Length	84.9"
Programmable Tailstock/Quill	
Hydraulic Steady Rest	

Mori Seiki SL – 400BMC/800

X	Axis Travel	13.5"
Z	Axis Travel	32"

Spindle Speed Range	2400 rpm
Main Motor	50/40 hp
15" 3-Jaw Hydraulic Chuck	
No. Of Tool Stations	12
24.4" Rotary Tools	12
Max. Turning Diameter	25.5"
Max. Turning Length	32"

Mori Seiki SL – 250B/500

X	Axis Travel	9.3"
Z	Axis Travel	20.5"

Bar Capacity	2.8"
Spindle Speed Range	35-3,500 rpm
Main Motor	20/15 hp
No. Of Tool Stations	10
10" Hollow Chuck Unit	
Built-in Type Tailstock	85mm
Max. Turning Diameter	15.3"
Max. Turning Length	19.1"

Mori Seiki SL – 400BMC/800

X	Axis Travel	13.5"
Z	Axis Travel	32"

Spindle Speed Range	2400 rpm
Main Motor	50/40 hp
15" 3-Jaw Hydraulic Chuck	
No. Of Tool Stations	12
Rotary Tools	12
Max. Turning Diameter	25.5"
Max. Turning Length	32"
Programmable Tailstock/Quill	
Hydraulic Steady Rest	



Machinery List

CNC LATHES CONTINUED

Mori Seiki NL3000MC/1250

X Axis Travel	11.0"
Z Axis Travel	53.9"
Spindle Speed Range	2500 rpm
Main Motor	30/24.7 hp
15" 3-Jaw Hydraulic Chuck	
No. Of Tool Stations	12
Rotary Tools	12
Rotary Tool Speed Range	6000 rpm
Rotary Tool Motor	7.5/5 hp
Max. Turning Diameter	16.9"
Max. Turning Length	49.6
Hydraulic Steady Rest	
Programmable Tailstock	

Mori Seiki NLX2500/700

X Axis Travel	10.2"
Y Axis Travel	2.0"
Z Axis Travel	31.3"
B Axis Travel (Spindle 2)	28.9"
Spindle Speed Range	4000 rpm
Main Motor	24.7/20 hp
10" 3-Jaw Hydraulic Chuck	
Sub Spindle Speed Range	6000 rpm
Sub Motor	15/10 hp
6" 3-Jaw Hydraulic Chuck	
No. Of Tool Stations	12
Rotary Tools	12
Rotary Tool Speed Range	6000 rpm
Rotary Tool Motor	7.5/5 hp
Max. Turning Diameter	14"
Max. Turning Length	27.7"

VERTICAL LATHE

Okuma 2SP-V40

X Axis Travel	10.4"
Z Axis Travel	17.72"
2 Spindles w/ Stepless	
Spindle Speed Range	
Spindle Speed Range	2500 rpm
Main Motor	30/25 hp
15" 3-Jaw Hydraulic Chuck	
per Spindle	
No. of Tool Stations	12
per spindle	
Max. Turning Diameter	15.75"
Max. Turning Length	17.72"
Max Supported Load	660 lbs



Machinery List

INSPECTION EQUIPMENT

Coordinate Measuring Machine Mitutoyo BH-706H

Measuring Range: X 28"
 Y 24"
 Z 24"

Featuring: Dell Computer w/ Microsoft Windows 7
 CMM Manager Software

Coordinate Measuring Machine Sheffield Discovery II D-28

Measuring Range: X 30"
 Y 40"
 Z 24"

Featuring: Dell Computer w/ Microsoft Windows 7
 Measuremax Plus and CMM Manager Software

OTHER INSPECTION EQUIPMENT

4' x 8' Granite Inspection Plate

QM-height 600 Mitutoyo Hite Gauge

Mitutoyo Surftester

Bench Center 38" X 8"

Bench Center 18" X 10"



Machinery List

OTHER EQUIPMENT

Engine Lathe

5 ft. between centers
 20.867" swing over bed (diameter)
 26" over gap bed
 12.993" swing over saddle
 2.063" spindle bore diameter
 16 spindle speeds
 35 English threads
 8.4 to 28 mm of metric threads

Bridgeport Mill

X	Axis	36"
Y	Axis	12"
Z	Axis	16"

American Hole Wizard Radial Drill

4 ft. arm
 11" column
 6 feeds .004" - .025" I.P.R.
 Spindle Speed Range 25-550 rpm

Kikihda Surface Grinder

X	Axis	39"
Y	Axis	12"
Z	Axis	10"

Grizzly Belt Sander Grinder

Motor	1 hp. / 3450 rpm
Belt	6" X 48"
Disk	12"

Marvel PA360 EPC/2 Band Saw

Programmable
 14" cut w/Coolant

Ellis Band Saw

10" X 11" @ 90 deg.
 7" @ 45 deg.

Kalamazoo Chop Saw

5" X 5"

Miller Deltaweld 651 Mig Power

With S-54A constant speed wire feeder

Gentec Pt450m Welding Positioner

Table Diameter	17.5"
Load Capacity	990 lbs.
Table Angle	0 – 90 deg.

Gisholt Superfinisher

20" Max. Diameter
 2 Tables

Aaladin Parts Washer – Model 2085E

45" L x 61" W x 87" H Bead Blaster
 1500 lbs. Load Capacity
 Built in Dry Floor (Waste Water) Evaporator,
 Oil Skimmer, & Power Vent,

Cyclone 4826

48" x 26" Top Load Blast Cabinet
 Uses Aluminum Oxide