

Facilities List (as of September 2003)

☞ = points of special note

CNC Vertical Machining

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|---|---|
| <p>(1) Matsuura 510-VG
Vertical Machining Center
14" x 20" Travel
20 Tools
10" Rotary Table (full 4th axis)
1997</p> <p>(1) Matsuura MC-660VG
Vertical Machining Center
18" x 26" Travel
30 Tools
12" Rotary Table (full 4th axis)
☞ 15,000 rpm
New 1999</p> <p>(1) HAAS VF-2
Vertical Machining Center
16" x 30" Travel
20 Tools
8" Rotary Table (full 4th axis)
1996</p> <p>(1) Mazak 815-120
Vertical Machining Center
☞ 32" x 120" Travel
Extended Height to 37"
35 HP
30 Tools
8,000 lb. Table Load
High Speed Machining; 6,000 rpm
New 2000</p> <p>(2) Fanuc T14-A Robodrill
16" x 20" Travel
14 Tools
8,000 rpm
2,000 IPM Rapid Traverse Rate
New 1998</p> | <p>(1) HAAS VF-4
Vertical Machining Center
20" x 50" Travel
20 Tools
12" Rotary Table (full 4th axis)
1994</p> <p>(1) Mazak V15-N
Vertical Machining Center
25" x 60" Travel
30 HP
30 Tools
4th axis
5,000 lb. Table Load Capacity
1985</p> <p>(1) Mazak VTC-160A
Vertical Machining Center
35" x 16" x 25 (Z) Travel
24 Tools
10,000 rpm
2000</p> <p>(1) Mazak 815/80
Vertical Machining Center
☞ 32" x 80" Travel
Extended Height to 37"
35 HP
30 Tools
8,000 lb. Table Load
High Speed Machining; 6,000 rpm
New 1999</p> |
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CNC Horizontal Machining

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| <p>(1) Matsuura MAM-500HF
Horizontal Machining Center
☞ 11 Pallets
☞ 120 Tools
Hi-Pressure Thru Spindle Coolant
Laser Non-Contact Tool Setting
8,000 rpm Spindle
New 2000</p> <p>(1) Mazak FH-6800
Horizontal Machining Center
41 1/2" x 31 1/2" x 34 1/2" Travel
☞ 10,000 rpm
50 HP
80 Tools
Two 25" Pallets With .001 degree indexing
Hi-Pressure Thru Spindle Coolant
New 2000</p> | <p>(1) Kitamura Mycenter HX300
Horizontal Machining Center
20" x 20" x 16" Travel
10,000 rpm
15 HP
40 Tools
Two 12" Pallets
☞ Full 4th Axis
Hi-Pressure Thru Spindle Coolant
New 1999</p> <p>(1) Toyoda FA450
Horizontal Machining Center
24" x 24" x 22" Travel
12,000 rpm
120 Tools
Two 18" Indexing Tables
Hi-pressure Thru Spindle Coolant</p> |
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CNC Turning

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| <p>(1) Nakamura Tome TMC-15
CNC Turning Center
15 HP
12 Tools
8" Dia. x 15" lg. capacity
1 5/8" Max. Bar diameter
4,500 rpm max.
1992</p> <p>(1) Nakamura/Methods Slant 50
CNC Turning Center
12" dia. x 24" lg.
3" Max. Bar Capacity
20 HP
3,000 rpm max.
New 1997</p> <p>(1) Hitachi-Seiki HiTec-Turn 15R
Turning Center
15 HP
1 1/2" Bar Capacity
Electronic Tool Probe
1988</p> | <p>(1) Mori-Seiki SL-150S
CNC Turning Center
(with Sub Spindle)
15 HP/Spindle
1 3/4" Bar Capacity
5,000 rpm max.
Electronic Tool Probe
New 1998</p> <p>(1) Mori-Seiki SL-7B
CNC Turning Center
35" Swing x 68" Centers
60 HP
1,100 rpm
6.3" Through-Hole Capacity</p> |
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Horizontal Boring Mills

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| <p>(1) Nomura BN-110SR
CNC Horizontal Boring Mill
4.33 Spindle
50 HP
5 Axis; X=63" x Y=52" Travel
30 Tool Atl
Fanuc 11M Control</p> | <p>(1) Toshiba BT-8B
Horizontal Boring Mill
3 1/2" Bar Size
40" x 40" x 60" Capacity Rotary Table
30 HP
D.R.O.</p> |
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EDM

- (1) **Fanuc OCS-AWF Wire EDM Machine**
Maximum Work Piece Dimensions: 26" x 17" x 7.1"
Table Travels 12.6" x 8.7"
Auto Wire Feed Submerged Type Cutting
New 1998

CNC Grinding

- (1) **Tschudin CNC Cylindrical Grinder**
8" Dia. x 15" lg. Capacity
Marposs Gap Eliminator
Marposs In-Process Gauging
Grinding Tolerances to 50 Millionths
1994

Blanchard Grinding

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|---|---|
| <p>(1) Model 20K 36" Blanchard</p> <p>(2) Model 22K 42" Blanchards
w/ 44" swing</p> | <p>(1) Model 32-60 60" Blanchards
w/ 72" swing</p> |
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Support Equipment

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| (1) Romi 16-8 Engine Lathe
16" dia. x 72" lg. Capacity
1 Hardinge Chucker | (1) Jig Master
8" x 20" Hydraulic Surface
Grinder | (1) Romi 13-5 Engine Lathe
13" dia. x 60" Capacity |
| (1) Phoenix PA-10
Automatic Cut-off Saw
10" x 14" Capacity | (2) Bridgeport Series I
Milling Machines
12" x 42" Capacity | (1) Doall Vertical Band Saw
16" Capacity |
| (1) Harig
6" x 18" Surface Grinder | | |

Quality Control

- (1) **Mitutoyo Series 191 CNC** Coordinate Measuring Machine
Measuring Range: X=28", Y=40", Z=24" **GEO Measure 6000**, CNC Software, **CAD Measure Software**,
Renishaw PH50 Motorized Probe Head New 1999

Complete Quality Control department including all necessary inspection equipment. Please contact our Quality Control Manager for further information.

Welding Equipment

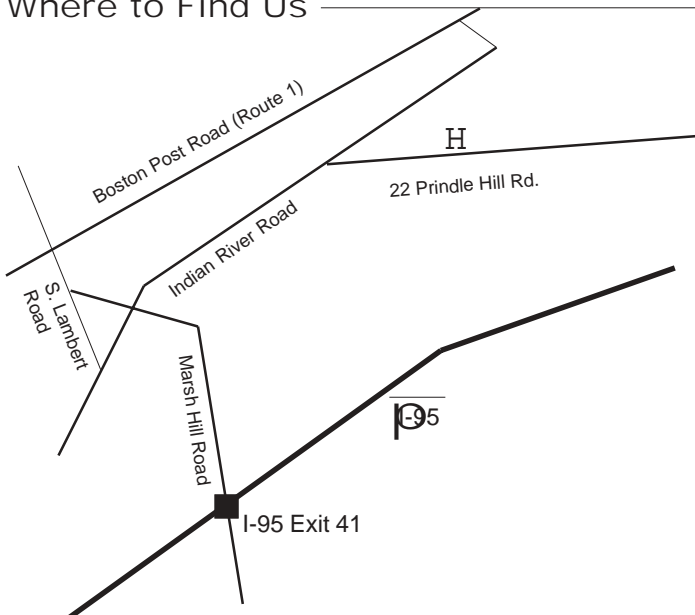
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|---|---|--|
| (1) ESAB Migmaster 250
Welder With Wire Feeder | (1) Miller Delta Weld 452
Welder
C V-DC Welding Power Source
60 Series 24V Wire Feeder | (1) Miller Syncrowave 250 TIB/
Heliarc Welder
Constant Current AC/DC Welder
Power Source |
| (1) Miller Syncrowave 350 LX/
Heliarc Welder
Constant Current AC/DC Welder
Power Source | (1) Miller Syncrowave 250 DX/
Heliarc Welder
Constant Current AC/DC Welder
Power Source | (2) Aronson Machine C1000
Free Floating Positioner |

Complete Welding Facility with portable and fixed equipment, welding set-up table, and all necessary support equipment.

Special Interest

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| (1) Type 07 F.F.L. License
Manufacturer of Firearms | (1) TECH SOFT CAM SOFTWARE
CURRENT LICENSE, LATEST REVISION |
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Where to Find Us



From Points North: (New Haven, Hartford, Rhode Island, Massachusetts):

Take I-95 South to Exit 41 in Orange, Conn. At the end of the exit, turn right onto Marsh Hill Road. At the first major intersection, turn right onto Indian River Road. Then, turn right onto Prindle Hill Rd. We are #22, on the left hand side.

From Points South: (Bridgeport, Norwalk, New York):

Take I-95 North to Exit 41 in Orange, Conn. At the end of the exit, turn left onto Marsh Hill Road. At the first major intersection, turn right onto Indian River Road. Then, turn right onto Prindle Hill Rd. We are #22, on the left hand side.

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Thank you for your consideration. If you have any questions about our services or our equipment, please contact us.

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