



# FITCHBURG WELDING CO., INC.

4 DEPOT ROAD, P.O. BOX 467, WESTMINSTER, MA 01473 | 978 874-2911 | FAX 978 874-1927

## **Physical Size** (8) Bays, 100,000 Sq.Ft.

High Bay - 40' x 350'

Middle Bay - 35' x 350'

South Bay - 40' x 350'

North Bay - 35' x 310'

Horizontal Bay - 45' x 250'

Milling Bay - 45' x 250'

Vertical Turning Bay - 45' x 160'

Assembly Bay - 45' x 160'

## **Lifting Capacity**

(4) 60,000 lb. Overhead Cranes w/ 20,000 lb. Secondary Hoist

(2) 40,000 lb. Overhead Cranes

(3) 30,000 lb. Overhead Cranes

(6) 20,000 lb. Overhead Cranes

(2) 15,000 lb. Overhead Cranes

(2) 12,000 lb. Overhead Cranes

(1) 10,000 lb. Overhead Crane

1 Ton Jib Cranes Throughout

## **Plate Rolls**

(1) Sertom Variable Axis Hydraulic Roll

Capacity of 4-5/8" Thk x 96" Long

Cone Rolling Capabilities

(1) Sertom Variable Axis Hydraulic Roll

Capacity of 1-5/8" Thk x 120" Long

Cone Rolling Capabilities

## **Brakes & Presses**

(1) 400T Pacific Press Brake 10' B/H

(1) 350T Cincinnati Press Brake 12' B/H

(1) 250T Bulldozer Press

(1) 200T Moving head Straightening Press

(2) 100T Vertical Presses



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## **Plate Shearing**

- (1) Cincinnati Model # 500HS-10  
Capacity 1/2" Thk x 120" Long

## **Plating Cutting**

- (1) ESAB Avenger 2
- (3) Axis CNC Gantry  
Travels 17' x 40'
- (6) Torch Station - Oxy-Fuel
- (1) ESAB Sabre DXG  
Low Profile Gantry Designed for High Speed Plasma and Oxy-Fuel Shape Cutting  
Equipped with an ESAB Precision Plasmarc 601 and Water Table  
Travels 8' x 20'  
(1) Plasma, (2) Oxy-Fuel

## **Plate Beveling**

Straight Line and Circumferential Custom Beveling Machines

## **Saw Cutting**

- (1) 18" Vertical Mitering Band Saw
- (1) Johnson Fully Automatic Band Saw 10" Dia

## **Welding Equipment**

- Lincoln, Miller, Cobramatic, Hobart  
Manual, Semi-Automatic, Fully-Automatic  
Mig, Tig, Sub Arc, Stick, Flux Core  
Stud Welding to 1800 Amps
- Aronson Weld Positioners  
135° Tilt, 360° Rotation, Adjustable Height  
(1) 350,000 lb., (1) 70,000 lb., (1) 50,000 lb., (3) 24,000 lb., (2) 10,000 lb.,  
(2) 6,000 lb., (2) 3,000 lb., (1) 4,500 lb. Gear Elevated
- (1) Set Drive & Idler  
60,000 lb. Turning Roll, Rubber Tire
- (2) 40,000 lb. Aronson Turntables
- (1) Fully Automatic Lincoln Sub Arc / Aronson Manipulator Welding Cell - 3-Axis Power Travel
- (1) 60" x 60" Aronson Manipulator



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## Thermal Stress Relief

Car-Bottom Furnace Zampell/North American Calibrated & Certified  
Honeywell CNC Controls, 1350°F Max Temp., 102"W x 80"T x 20'Lg, 75,000# Car Capacity

## Shot/Grit Blast

Steel Shot - Room 15'W x 15'T x 30'Lg, 80,000 lb. Car Capacity  
Abrasive – Cabinet Work Dimensions 32" x 40" x 40"

## Paint Facilities

Room 15'W x 15'T x 30'Lg, 80,000 lb. Car Capacity

## Horizontal CNC Machining

(1) Giddings & Lewis 7" CNC Floor Type 5-Axis HBM

Travels 372" X-Axis, 168" Y-Axis

100,000 lb. Capacity CNC Contouring Rotary Table

(1) FERMAT WFT 15R Horizontal Boring Mill

Fanuc 31iB – Plus Control

Table 78.74" X 118.11", 360° Rotary, 20 Ton Capacity

Axis Travel: X-196.85", Y-118.11", Z-78.74"[Column], W-31.49"[Spindle], V-27.55"[Ram]

Universal Offset Head attachment

(1) Poreba 4.33 CNC Table Type HBM – 5 Axis

Travels 87" X-Axis, 63" Y-Axis

Built-In Rotary Table, 48" x 60"

(1) Giddings & Lewis Airlift Rotary Table, 5' x 6'

(1) Giddings & Lewis Airlift Rotary Table, 4' x 6'

(1) Lucas Powerfeed Tilting Rotary Table, 4' Dia

(1) Pratt & Whitney Precision Right Angle Rotary Table, 30"

(1) Giddings & Lewis Right Angled Milling & Drilling Head, Indexing

(1) Pibomulti Universal Angle Head

(2) Sets of Precision "V" Blocks

Numerous Sets of Precision "T" Slotted Angle Plates



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## **Vertical CNC Machining**

### (1) TCI CNC Vertical Boring Mill - Full Milling, Drilling, & Tapping

Twin Rams with C-Axis  
Fanuc 18i-TB Controls  
Twin Chip Conveyors  
Max Swing 168", Max Under Tool 105"  
Max Under Rail 116", Z-Travel 47"

### (1) TCI CNC Vertical Boring Mill – Full Milling, Drilling, & Tapping

Twin Rams with C-Axis  
Fanuc 18i-TB Controls  
Twin Chip Conveyors  
Max Swing 106", Max Under Tool 60"  
Max Under Rail 61", Z-Travel 47"

### (1) Phoenix-Bullard CNC Vertical Boring Mill

Fanuc 18i-T Controls  
Max Swing 132", Max Under Tool 70"  
Z-Travel 43"

### (1) Giddings & Lewis CNC Vertical Boring Mill

Fanuc 18i-T Controls  
Max Swing 60", Max Under Rail 69"  
Z-Travel 60"

## **Bridge Mill**

### (1) SNK RB-4VM CNC Bridge Mill

Fanuc 18i-MB Control  
Table 157.5" x 78.7"  
Distance Under Spindle: 59.1"  
Distance Between the columns: 91"  
Axis Travel: X - 167", Y - 114", Z – 31.5", W – 43.3"  
40-Tool Capacity Tool Changer  
Automatic Right Angle Head with 1° Indexing



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(1) SNK RB-5VM CNC Bridge Mill

Fanuc 31i-Mod A Control

Table 236.2" x 98.4"

Distance Under Spindle: 72."

Distance between the columns: 114"

Axis Travel: X - 246", Y - 119.2", Z - 23.6", W - 55.1"

Automatic Right Angle Head with 1° Indexing

50 HP Spindle, 4,500 RPM, Constant

## **Misc. Machine Shop Equipment**

(1) Granite Inspection Table

Producto 48" CNC Tilting Rotary Table with a 30,000lb Capacity.

Okuma 7-Axis Universal Portable Radial Drilling Machine

Radial Drills

Bridgeports

Small Lathes

## **Forklifts & Trucks**

(1) 36,000 lb. Taylor

(1) 8,000 lb. Caterpillar

(1) 6,000 lb. Nissan

(1) 6,000 lb. UniCarriers

(1) 5,000 lb. UniCarriers

(1) 6,000 lb. Caterpillar

(1) 60,000 lb. GVW, 8'W x 25'Lg Flat Open Body

(1) 18,000 lb. GVW, 8'W x 10'Lg Flat Open Body

## **Quality Services**

ISO 9001:2015 Certified

Fabrication in Accordance With:

ASME Sect.VIII, Div.1

MIL-STD-278

NAVSEA S9074-AR-GIB-010/278

AWS D1.1

Welding Procedure and Performance Qualifications in Accordance With:

ASME Sect.IX

MIL-STD-248

NAVSEA S9074-AQ-GIB-1010/248



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Quality System in Accordance With:

ASME "U" & "R" Stamp - ASME Sect.VIII, Div.1  
MIL-STD-45208, MIL-Q-9858, MIL-STD-45662

Nondestructive Testing Capabilities:

Visual Weld Inspection  
Magnetic Particle Inspection  
Liquid Penetrant Inspection

NDT Personnel Qualified in Accordance with ASNT SNT-TC-1A

Ultrasonic Inspection and Radiographic Inspection Available

Nondestructive Testing Procedures in Accordance With:

ASME Sect.V & ASME Sect. VIII, Div.1  
MIL-STD-271  
NAVSEA T9074-AS-GIB-010/271

FARO Edge CMM, 12' Spherical Working Volume

## **Engineering Services**

CAD/CAM Software - 3D & 2D Capabilities:

SolidWorks  
AutoCAD Inventor  
AutoCAD Mechanical  
Mastercam

Canon Wide Format Printer with Color and B&W Plotting, and Color Scanning Capabilities

Canon Wide Format Printer with Color and B&W Plotting Capabilities

Xerox Wide Format Printer with Copying, Plotting, & Scanning Capabilities

## **CAD File Formats**

AutoCAD Mechanical, AutoCAD Inventor, & SolidWorks Formats  
DXF, IGES, PARASOLID, & STEP File Conversions from other CAD Software

\* We also stock a large selection of support equipment for the items listed above.

We are constantly updating, improving, and adding to our capabilities. Please contact us for the most recent facilities list.