



Hatfield Metal Fabrication, Inc.

One Source For All Metal Fabrication Needs

CNC Machine Shop Services
Mig and Tig Welding
Precision Sheet Metal Fabrication
Close Tolerance Laser Cutting
Dynamic Water Jet Cutting
Industrial Painting And Powder Coating
Certified ASME Manufacture And Repair
WBE Certified



Hatfield Metal Fabrication, Inc. 16 Hatfield Lane, Poughkeepsie, NY 12603
845-454-1460 Fax: 845-454-9036
www.hatfieldmetal.com

Providing a one source solution for all of your metal fabrication needs.



Machine Shop Services

Hatfield Metal Fabrication in Poughkeepsie NY offers one of the best equipped, full service metal machine shops in the Northeast. Our machining department offers a wide range of services including milling, drilling, CNC machining, Bridgeport work, CNC lathe work, tapping, drilling, turning facing and more. We specialize in precision machining on a production level. We have a wide range of computerized and manual machining equipment, and can accept short runs of as few as one part, prototypes, and production level jobs consisting of thousands of pieces per order. From small diameter bar feed CNC lathes, to large CNC Milling and turning, we can handle your workload.



Welding Department

Our welding department contains a wide variety of welding procedures including mig, tig and spot welding. We have the capability to handle virtually any size job from smaller parts to large weldments in steel, stainless steel, aluminum as well as more exotic metals. With over 40 years of experience, our team of highly skilled craftsmen are complemented by modern equipment that enables them to consistently produce the highest quality weldments and assemblies cost effectively and on time.



Sheet Metal

Having the ability to handle all of your sheet metal fabrication needs is what makes Hatfield Metal Fabrication an ideal choice for this kind of work. Our bending department maintains a wide variety of press brakes in various sizes to accommodate any size bending or forming job quickly and accurately. We specialize in high volume work with the ability to provide a fast turn-around for your parts. Other sheet metal services provided are spot welding, stamping, fastener insert presses, finishing, painting and powder coating. Our laser systems are used in concert with CNC press brakes, CNC turret punch presses, and other state-of-the-art machining equipment to offer you a complete range of cutting, punching, and forming services. Our turrets can also form a variety of features during the punching operation such as circuit card guide slots and recesses, embosses, coined reliefs, knock-outs, countersinks, and lanced and formed tabs. If you require fabricated sheet metal products, no matter how unique, we can accommodate your customized production needs!!! Please call, fax or email us a drawing. We would be glad to discuss your sheet metal needs.



Laser Cutting Services

Hatfield Metal Fabrication's state-of-the-art laser cutting systems provide unparalleled precision cutting of production pieces without costly and time-consuming tooling. The speed and accuracy of our laser cutting equipment make it the process of choice when critical tolerances and timely delivery cannot be compromised. Having three CNC controlled laser systems enables us to not only provide you with the quality parts you need, but to also deliver them when you need them. Call us today to find out how it is we can help you with your laser cut parts.





Water Jet Cutting Services

Hatfield Metal Fabrication provides options for cost-effective precision machining with state-of-the-art waterjets. Water jet cutting can produce a finished product in a fraction of the time of other conventional processes. Our modern equipment offers a range of capabilities. Waterjets use a water/abrasive mixture to cut through all metals, ceramic and plastic with exceptional efficiency. Our equipment can be used as a single process or to pre-machine parts destined for tighter tolerances. Our Dynamic waterjets allow us to more precisely direct the abrasive flow to achieve tolerances that rival those of other advanced processes. In fact, in some cases, Dynamic waterjets can be an economical alternative to Wire EDM.



Industrial Painting and Powder Coating

Rounding out the fabrication process is our industrial painting and powder coating facility. We have two spray booths and two large bake ovens which can handle a large number of parts at one time and allow us the ability to run both processes at one time. Powder coating is an advanced method of applying a decorative and protective finish to a wide range of materials and products that are used by both industries and consumers. The powder used for the process is a mixture of finely ground particles of pigment and resin, which is sprayed onto a surface to be coated. The charged powder particles adhere to the electrically grounded surfaces until heated and fused into a smooth coating in a curing oven. The result is a uniform, durable, high-quality, and attractive finish.



ASME Certified Fabrication

Hatfield Metal Fabrication is authorized by ASME to construct and repair high pressure vessels in accordance with the latest editions of the ASME Code. Please call us for more information on our high pressure ASME certified manufacture and repair capabilities.



For more information on our metal fabrication capabilities and our facilities in general, please contact us or visit us on the web at www.hatfieldmetal.com. We can accept your CAD drawings for easy RFQ and will reply in a timely manner. With our ability to handle many if not all necessary fabrication and finishing requirements in house, you will soon see why Hatfield Metal Fabrication, Inc is your only source for your metal fabrication needs.



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PRECISION SHEET METAL SHOP

Bystronic Bystar CNC laser cutting system 3500 watt.
Bystronic Bysprint 3015 Laser System Auto Load/Unload
Trumpf 2510 Laser System Auto Load/Unload
Strippit 1250s Comb. Turret/Laser
- 3/8" Plate capacity 60" x 160"
Strippit XP1000 Turret Punch Press
Waterjet/Plasma Cut Table
-TOL/-0.005 watercut to 6"
-Plasma cut to 1 1/2" Table size 6' x 10'
Bertsch power shear, 144" blade, 1/2" mild steel
Sureweld power shear, 72" blade, 1/4" mild steel
-w/ mirometer back gauge
Combination Shear Gauge for Bertsch M-10671
2 72" Front Gauges
1 120" Square Arm
1 Tape Cassette Installed
Lown Power Roller, 4" rolls, 16 gauge capacity 72"
Pextro Roller, 4" rolls, 1/4" gauge capacity 48"
Niagara Roller, 2" rolls, 20 gauge capacity 24"
Bertsch Power Roller, 1/2" x 96", 10" roll capacity
Pacific 75 ton press Brake w/ 3 axis CNC control
Cincinnati 175 Ton ProForm 5 axis 8 ft
3 Cincinnati 60 Ton ProForm 5 axis 4 ft.
Chicago Dreis & Krump 52 ton press brake, 96" bed
Chicago Dreis & Krump 25 ton press brake, 48" bed
DiArco 17 ton press brake, 48' bed
Cincinnati 60 ton CBII press brake w/ 5 axis control, 6' bed
Cincinnati 135 ton FMII press brake w/5 axis control, 8' bed
Niagara 350 ton press brake w/ 3 axis control, 12' bed
Hem automatic vertical multi angle-24" feed, cut cap 14"x22"
Hem automatic horizontal bandsaw-24" feed, cut cap 12" square
Timesaver 2 head wet sander
Hager 824 8ton fastener insertion press w/ auto-feed
DiArco bender & DiArco rod parter
Model RS 302 ME- universal roll bender
2 precision barrel finishers
Strippit Super 30-30 Fabricator w/ Creonics auto-gauge
Universal Iron Worker w/ shear & notcher to cut rounds,
flats & angles; & a 90 ton punch w/tooling for holes up to
1 9/16" diameter.
Rockwell vertical bandsaw w/ 20" throat
Whitney Manual Punch Press
Beverly Manual Punch Press
Whitney Jensen Manual Punch Press
Kenco 5 ton Punch Press
Bateman 5 ton Punch Press
Deep Throat Punch, 25 ton w/ tooling

PAINT DEPARTMENT

Gas Wilray Paint oven interior/dia. 5'w x 7'h x 6'd
Binks paint booth 15'w x 8'h x 7'd
Binks 1/2 gal & 2 gal Pressure Pot
Binks & DeVilbiss Spray guns
Hot phosphate pressure wash room
Binks powder booth 8' x 6' x 6'
1 Rapid batch oven 10' x 10' x 20', 500 deg max temp
1 Nordson sure coat powder coat system

METAL INVENTORY

With over 200 tons in-stock of raw materials:
Steel- 24 GA. through 1" plate Aluminum- 22 GA. through 2 1/2"
plate
Stainless Steel- 24 GA. through 1" plate
Plus a wide variety of various Hot Roll shapes, angles,
channels, tubes, etc.
4' x 10' and 4' x 8'

STAMPING DIVISION

Komatsu 60 ton press w/ coil feed
1- 300 ton Bliss double action press

WELDING SHOP

Sciaky 150 KVA mil spec spot welder w/ adaptive weld control
Lors 40 KVA spot welder
2 Miller Aerowave 350 Hybrid tig Systems
2 Hobart 350 amp Tigwave Tig welders
3 Hobart 250 beta Mig welders
2 Hobart 450 RVS Mega Mig welders
3 Cobramatic aluminum Mig guns
2 portable oxygen-acetylene welding & cutting sets
8 Hoists, electric & chain, 1/2 ton thru 10 ton
Victor motorized hand torch
2 TRW Nelson stud welding systems
2 Lincoln Powerwave 455 Mig welder
2 Lincoln Squarewave 355 Tig welders
2 Thermal Dynamics 300 amp Inverter Tig welders
1 Thermal ARC Ultra Flex 350 pulse DC Mig welder
1 Thermal ARC Fabricator 250 Mig welder
2 Miller 351 Syncrowave 350 amp Tig welders
1 Miller Dynasty DX 300 amp Inverter Tig welder
1 Miller Dial Arc HF 300 amp Tig welder
2 Miller MC-300 VS Mig welders
1 Miller Dynasty DX AC/DC Inverter Squarewave Tig welder
2 Millermatic 300 3 phase Mig welders
1 Millermatic 250 x Mig welder
1 Pacmaster 50 XL Plus plasma cutter
1 Pacmaster 100 XL plasma cutter

FINISHING DEPARTMENT

36" wide Timesaver Wet type
2 Bench Block sanders 6" x 276"
3 Bader sanders 2" x 132"
Apex power sanding disc 18" dia.
2 Abrasive cut off saws, 10" x 16"
Cyclo Blast glass beader
Sanders & grinders, floor & bench, hand sanders & grinders
electrical & pneumatic, 1/2" thru 7"
Sweco Vibratory tumbling machine
1 Joy 25 hp screw air compressor
1 Sullair 30 hp screw air compressor
1 Quincy Q235 50 hp screw air compressor

MACHINE SHOP

Mori Seiki SL 253 CNC Lathe w/ live tooling & sub spindle w/ 3" cap
Auto Bar Feed.
Chevalier CNC Lathe Plus
Fadal VMC 6030 CNC Mill
Fadal 4020 CNC Mill—Rotary Axis
Fadal VMC 15 XT CNC Mill
34" x 15" CNC mill
Republic 16" engine lathe, 60" bed
Model MS 1440 E Nardini Lathe w/ Acu-Rite digital readout
Hardinge Secondary Operation Precision Lathe
6 Bridgeport vertical millers w/ servo feed drive and digital readout
Millrite vertical miller
Cincinnati horizontal miller w/ 3 way power feed
Cincinnati horizontal miller w/ hydraulic power feed
Strippit punch and die grinder
8" YUASA Super Acc. Rotary Index
CNC controlled Surface Grinder, 8" x 18" capacity
Delta Four spindle drill press
American Radial drill 6" x 105"
Logus Mill, Model FTV2S w/ accessories



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