



Full-Service Metal Fabrication



Bending • End Forming • Machining
Fabricating • Welding • Powder Coating



ISO 9001:2008

Since 1960, Hycom, Inc., has built a reputation for producing high-quality precision fabricated metal parts and components for use in a variety of industries. Over time, our family-owned and operated business has added various machinery, equipment and processes to better meet the needs of our diverse customer base.

Hycom, Inc., is an ISO 9001:2008 company



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Capabilities

Custom Tube Bending Fabrication

- Single and multi-plane fabricating from 3/16" to 3" O.D. in mild steel, stainless steel, square tubing and other bendable materials from small sample lots to high volume quantities
- End finishing options include single, double and bubble flare, beading, tube flanging, expanding, notching and brazed end fittings with zinc, phosphate and powder coated finishes
- Benders – Includes hand benders, manual draw benders, and native CNC VB75, VB150, and VB300
- Up to 20' of high pressure internal flushing to meet OEM cleanliness specifications
- Stocking programs available

Machining

- CNC Milling
 - 4-axis vertical mill
 - Large horizontal mill
- CNC Turning
 - 8" O.D. chucking dia. and lengths up to 24" with 2" bar stock capacity through spindle

Metal Fabrication Services

- Welding – Mig and Tig
- Press Brakes – 135 ton
- Shears
- Hydraulic Press

Materials:

- Mild Steel, Stainless Steel, Copper, Aluminum, as well as other metals

Powder Coating Services

- 4-step phosphate immersion bath
- Spray booth and curing oven accommodate products up to 20 ft. in length
- Nordson spray guns
- Custom racking available
- Sandblasting
- Thousands of colors
- No quantities too big or too small

Custom Tube Bending & Forming

Hycom specializes in custom tube forming for companies large and small, from Fortune 500 companies to the “mom and pop” machine shop around the corner.

Our capabilities include bending a wide range of tube sizes (both round and square shapes) from 3/16" O.D. up to 3" O.D. Our CNC and manual draw benders are operated by experienced technicians who can fabricate anything from simple 45° and 90° bends to complex bends on multiple planes in mild steel, stainless steel, copper, or aluminum, as well as as other bendable materials.

Available finishes include phosphate, powder coating (in-house), nickel or zinc plating (yellow, clear or olive).

Hycom has the capability to do high-pressure internal flushing for cleaning tubes up to 20 ft. in length to meet OEM cleanliness specifications.

- Benders

Equipment includes hand benders, manual draw benders, and native CNC VB75, VB150, and VB300.

Secondary Operations include:

- Single Flare
- Double Flare
- Bubble Flare
- Expanding
- Notching
- Par Flange
- Beading

If required, tubes can be coated for functional or aesthetic purposes with powder coating or zinc plating. Brazed end fittings can be done using copper, silver, or nickel. Welded end finishes include Tig and Mig.



CNC Milling & Turning

Hycom has vertical and horizontal mills, machining centers, and lathes to meet a wide variety of machining requirements. Featuring well-known names like Mori Seiki, Leblond Makino, Chevalier, Suga, and Takisawa, Hycom can work with a wide range of materials from common materials like steel alloys, aluminum, cast aluminum, cast iron, plastics, and stainless steel to exotic metals like titanium.

Secondary operations include anodizing, powder coating and light assembly (installation of bushings, pins, plugs, etc.) all accomplished under our ISO 9001:2008 certification, ensuring consistent and quality workmanship.

CNC Turning

- Up to 8" O.D. chucking diameter
- Lengths up to 24" with 2" bar stock capacity through the spindle
- Shaft turning
- Profile cutting

CNC Milling

- Drilling
- Grooving
- Boring
- O.D. and I.D. turning
- Tapping
- Threading
- Circular interpolating
- Engraving

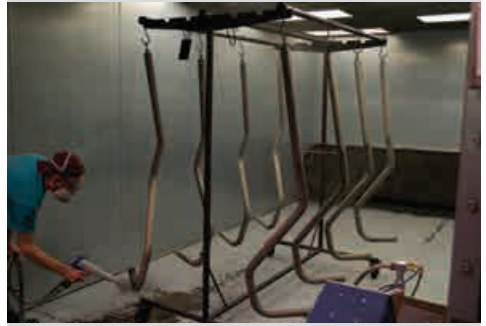


Specialty Metal Fabrication Services

In addition to tube forming and machining capabilities, Hycom also offers specialized metal fabrication services using mild steel, stainless steel, copper, aluminum, and other metals:

- Welding
 - Tig and Mig
 - Mild steel, stainless steel, aluminum
 - Hycom can also weld fittings and couplings to tubing, as required.
- Press Brakes - 135 ton
- Shears
- Hydraulic Press
- Brazing
 - Silver, nickel, copper, and bronze brazing
 - Manual torch
 - Induction brazing for high volume
- Plasma CNC cutting
- CNC punch - 75 ton





Powder Coating

Because of the high demand for powder coating by many of our customers, Hycom added powder-coating capabilities to shorten lead times and save cost for our customers.

Powder coating adds distinct advantages over conventional liquid paint. Powder coating is applied electrostatically via a spray gun. Once applied, the part is cured in a large oven, which allows the powder to flow (once heated) and form a "skin" that creates a hard finish that is tougher and more durable than conventional paint.

Capabilities:

- 4-step phosphate immersion bath
- 250-hour salt spray tested
- Spray booth and curing oven accommodate products up to 20 ft. in length
- Nordson spray guns
- Custom racking available
- Sandblasting
- Thousands of colors
- No quantities too big or too small
- Short lead times

MISSION STATEMENT

Hycom, Inc., is committed to being your one stop source for precision products. Hycom is dedicated to providing a product that meets or exceeds our customers' expectations by investing in improved efficiencies while offering value-added design support.



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