COMPANY OVERVIEW

Family-run since 1908, Chicago Metal Rolled Products is the leading bending and rolling company in North America. We work with our customers to bend and roll all steel grades, sizes and shapes including angles, bars, beams, channels, pipes, tubes, rail, sheet and plate.

With our highly trained workforce and state-of-the-art equipment, we can handle the most challenging jobs quickly with precision and accuracy. Our capabilities include rolling from the smallest (1/2 x 1/2 x 1/8 angle rolled to a 3” inside diameter) to the largest steel sections (W44 x 290# beam bent the hard way), minimum radius bending and specialty bending like multi- or off-axis bending.

We strive to deliver customized, quality products to our customers every day. With two plants, 60+ rolling machines and over 100 years of experience, Chicago Metal provides 3-day, 2-day, 1-day, and same-day delivery of curved structural steel, sheet and plate.

WHY US?

Because curving metal is a combination of art, science, technical experience and passion. It is much more than just having the capabilities. We've earned our reputation as a company dedicated to the success of our completed projects.

Before providing any quote, our estimating specialists and engineers review every drawing with an eye toward increased efficiency and quality of product. It is not uncommon for us to team up with our customer in the project development stage to redesign and reengineer a project to achieve the most cost effective method of bending. Our case studies are full of innovative ideas that have saved our customers thousands of dollars or improved the appearance of a finished formed part.

It is this collaboration and high level of customer service that has over 3,000 customers returning to Chicago Metal Rolled Products every year.
BENDING METHODS

Work piece material, size and thickness are important factors when deciding on a type of metal bending process. Also important is the radius, curvature and location of the bend in the work piece. There are many variables to consider and each dictate a specific bending requirement. Chicago Metal Rolled Products selects the most effective bending method from one or more of our 60 in-house bending machines to yield the desired results for our customers.

With the breadth of our machinery and scope of bending capabilities, our highly trained workforce completes your job with precision and accuracy -- all under one roof. Here are just some of the bending methods we use:

- **Induction Bending**
  - Produces very tight radius bends with minimal deformation, thinning and ovality
- **3-Roll Section Bending or Pyramid Roll Bending**
  - Used for a wide-range material sizes with varying radii (small to large)
- **Ram Bending or Bump Forming**
  - Utilized for precision bending and holds tangent lengths during bending
- **Rotary Draw Bending**
  - Used for precise, tight radius bends requiring minimal distortion or ovality
- **Plate Rolling**
  - Produces full cylinders, cylinder segments, full cones and cone segments

SPECIALTY BENDING

We partner with our customer to ensure our products meets their specifications and withhold minimal tolerances even for shapes with very complex geometries.

We have experience with:

- **Spiral bending including plumb stair stringers**
- **Off- and multi-axis (compound) bending, and rolling ellipses or arcs with tangents**
- **Cambering beams and tubes as well as splitting and straightening T-beams**
- **Helical bending**
- **Parabolic bending**
- **Elliptical bending**
- **Mandrel bending**
- **Reverse Curve (s-curve) bending**

Stairs: 12 x 3 x 5/16 rectangular tube curved the easy way to a 12ft inside radius (inside stringer) and an 18ft 1in inside radius (outside stringer).
MARKETS SERVED

From large projects to small component pieces, we cater to a multitude of industries across North America. We serve customers in markets including:

**OEM** – We have partnered with OEM’s across the country to manufacture rolled metal parts large and small, with volumes ranging from open orders to one-time single part orders. From fortune 500 companies to small local businesses, we roll parts for agriculture and construction equipment, automotive, conveyors, roll cages and more.

**CONSTRUCTION** – East coast to the West coast, steel curved by Chicago Metal Rolled Products is everywhere -- whether you are taking in an event at Kimmel Center in Pennsylvania or flying off to a vacation out of the San Jose International Terminal in San Jose California. We work with customers building commercial buildings, residential buildings, highways, bridge supports, etc.

**ARCHITECTURAL** – Steel is both beautiful and functional. Nothing demonstrates this better than a city landmark building, a spectacular decorative handrail, an entryway canopy or pedestrian bridge walkway. Our estimators and engineers constantly partner with our customers to achieve the desired architectural appearance.

**INDUSTRIAL** – Chicago Metal Rolled Products works with industrial customers to roll tailor-made products for their businesses. Some examples include tank stiffeners, wind turbines, ductwork, helical strakes, manholes and pipe elbows.

**SPECIALTY & ORNAMENTAL** - Our company regularly collaborates with artists and sculptors to produce some awe-inspiring art found in museums and public parks across North America. We also work with designers to bend products for playground equipment, gardens, curved bike racks and more.
VALUE ADDED SERVICES

Our bending abilities are complemented with a comprehensive list of in-house fabrication services that make your job easier while reducing onsite labor and installation costs.

- **Edge Prep**
  - Including machine-beveled weld prep with bevel angles within 1° and bevel depths to a 1/16” with no HAZ
- **Grinding**
  - Used to deburr sharp ends or flatten a welded section of material
- **Plasma Cut**
  - Precisely cuts material in a straight line
- **Drilling & Punching**
  - Punch or drill standard bolt hole sizes and bolt circles or custom requirements
- **Split & Straighten Beams**
  - Cut beams down the center to form steel tees
- **Camber or Sweep**
  - Bend large beams to a large radius
- **Shearing**
  - Shearing sheet metal up to 1”
TESTIMONIALS

I've been in business for over 30 years and I can honestly say that this experience with your company will be one I will never forget. Turn-around time ONE DAY!!!, unheard of. You even made suggestions to give me a better product.

The help you gave me made a big difference.

Phil A., Repair Center in Wisconsin

CMRP actually flew down a representative today for a three-hour site walk/meetings with an engineer of record, architect, and owner's representative. That is a first in my 20+ years. Any company that will fly down a rep for customer service and a meeting (one they did not call) is appreciated on our end.

James W., Structural Steel Fabricator in Florida

When we work with CMRP, we know we can count on three things: Quick turn-around on quotes, on-time delivery of parts, and no quality issues. They make it very easy for us to do business with them.

Mike F., Lighting Manufacturer in Illinois

Chicago Metal Rolled Products is an extremely valued supplier. Customer service is beyond compare as they continually work with us on price and delivery to help us meet the needs of our customers. The quality and accuracy of their products/processing always meets or exceeds our standards. Being able to bond and make friendships with great people in your company is just the cherry on top.

Teresa P., Structural & Misc. Steel Fabricator in Ohio

Chicago Metal Rolled Products has been instrumental in our ability to deliver high quality and great looking parts. Any job, big or small, CMRP has come through with competitive pricing and on-time deliveries.

Eddie C., Contract Manufacturer in Kansas

CHICAGO METAL ROLLED PRODUCTS COMPANY

Call us at 800-653-8846
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