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Press Release

Chicago Metal Rolled Products Adds Induction Bending to Its Capabilities

Company improves its minimum radius distortion-free bending

Chicago, IL – May 4, 2016 – Chicago Metal Rolled Products (CMRP) recently expanded its capabilities with the addition of [heat induction bending](#). Induction bending allows CMRP to bend square and rectangular pipe and tubes, as well as other structural shapes, to tight radii with minimal deformation or distortion to the material. Minimal or no distortion is particularly important for industries including petroleum pipelines (on and offshore), processing plants, oil & gas refineries, power generation, food processing, chemical, shipbuilding yard and ornamental structures.



“Our induction bending capabilities allow us to provide customers in need of distortion-free bent tube, pipe or structural shapes with an exceptional product,” said Joe Wendt, president of CMRP. “Induction bending is one example of how our company is evolving to meet the growing needs of our customers. Adding induction bending to the breadth of our capabilities, coupled with our highly skilled workforce, helps makes us a trusted bender roller for customers across the nation.”

CMRP can induction bend round, square and rectangular tubes or pipes in carbon, stainless and alloy steel. Capabilities include:

- Bends on Pipe or Tube from a minimum outside diameter of 4” to a maximum outside diameter of 12” with wall thickness up to 0.98”;
- Three-times the diameter of the bend;
- Up to 180 degrees of bend and;
- Multi-bend configurations.

Induction bending, a more recent advancement in the metal fabricating industry, uses heat to bend material versus the more common method of cold forming. Induction bending involves heating one point of the material using an induction coil. Once the material reaches the desired temperature, it is pushed through the induction coil and molded by a pivot arm to the preferred radii. The temperature of the material is then immediately reduced by a controlled water cooling system.

This heating and cooling process allows for bending pipe or tube with minimal or no distortion, an important factor for customers in certain industries. For example:

- Customers building petroleum pipelines need tube or pipe that maintain a perfect shape in order for material to efficiently pass the pipeline and more so through bends.
- Clientele in the food processing industry require their products, like grain, to swiftly pass through the pipes that move and process the food without getting wedged at the bend area.

- Artists creating ornamental structures will often times want steel tightly curved with no ovality in order to manufacture an artistic concept.

For more information on Chicago Metal Rolled Products' bending capabilities, please visit www.CMRP.com or call (773) 523-5757.

About Chicago Metal Rolled Products

Since 1908, [Chicago Metal Rolled Products](http://www.CMRP.com) (CMRP), a contract manufacturer and job shop, has led the bending and rolling industry working with metal and all steel grades, sizes and shapes including angles, bars, beams, channels, pipes, tubes, sheet and plate. With full-service plants in Chicago and Kansas City, the company's highly cross-trained workforce and state-of-the-art equipment combine to deliver top quality, error-free products for customers with short lead times and shipping to customers across North America. Over the years, CMRP has built the capabilities to bend steel members from the smallest to the largest sizes: from ½ x ½ x 1/8 angle rolled to a 3-1/2" inside diameter to a W44 x 290# beam bent the hard way (x-x axis). CMRP employs some of the world's largest beam bending equipment, two of the world's largest section benders, and some of the world's largest plate rolls. Visit www.cmrp.com or call (773) 523-5757 for more information. Learn about the latest industry trends and projects on [The Chicago Curve](#) blog and connect with CMRP on [Facebook](#), [LinkedIn](#) and [Pinterest](#).