



JMC Steel Group
Pipe and Tube Solutions

Solar Energy

- **Supporting**
- **Framing**
- **Protecting**



The Strength to Deliver



Galvanized Steel Products For The Solar Energy Industry

JMC Steel Group companies produce a wide range of products for the solar energy industry.

- Galvanized steel pipe and HSS tubing that provide the support structure and framing systems that hold your solar panels.
- Galvanized mechanical tubing (round, square and rectangular) is used to make solar rack structures.
- Steel fence framework that guards the perimeter of your facility to keep out unwanted visitors.

JMC Steel Group: Tough, lightweight, long lasting support and protection.



Galvanized Steel Products For The Solar Energy Industry

We've supplied major solar energy projects throughout North America.

We're the largest independent manufacturer of tubular products in North America, with 16 production facilities in the U.S. and Canada.

- Structural Tubing (A500 GRB and GR)
 - Round Tubing 1" - 20"
 - Square Tubing 1" - 16"
 - Rectangular Tubing ¾" x 1 ½" through 20" x 12"
- Galvanized (in-line) Mechanical Tubing
 - Round Tubing .706" - 5"
 - Square Tubing .625" - 4"
 - Rectangle Tubing .75" x 1 1/12" through 2" x 6"
- High-Strength Tubing (up to 83,000 min yield)
 - Round Tubing 1" - 4"

Value Added Services

- In-House Galvanizing (Hot-Dip and In-line)
- Engineering
- Fabrication - Support piers & racking systems
- Custom lengths
- Sizes produced every 2-3 weeks
- Experienced Solar Team



In Roof-Mounted Installations, HSS Can Mean Less Weight, Less Cost

HSS has greater strength-to-weight ratios than other steel shapes, so you need less steel (by weight) to do the job. Less weight means less cost. And you can also save money on transportation, handling and erection costs. HSS also provides a cost competitive alternative to other types of metal.



Protecting Your Facilities

Fence Framework

We also make a complete line of fence framework to protect your facilities.

- JMC Steel Group's fence framework pipe is available in regular (30,000 min. yield), intermediate (50,000 min. yield) and high strength (83,000 min. yield) grades.
- Our ASTM F1083 schedule 40, WT-40 and WT-30 are designed for high security and industrial applications.
- Our ASTM F1083 schedule 40 hot-dip galvanized pipe has a full-weight galvanized coating on the outside and inside and our in-line, hot-dip galvanized 50,000 min. yield fence framing pipe has a triple exterior coating and a zinc-rich interior coating to protect against white rust and corrosion..

Support And Framing Systems For Your Solar Panels

Structural Support Piers

JMC Steel Group is the leading manufacturer of structural steel tube in North America. Our round, square and rectangular steel tubing is used throughout the solar industry as support piers for “Ground-Mounted” structures. We also use our tubing to manufacture “Screw Piles”. This enables JMC to provide complete solutions that meet varying soil conditions and requirements.

Solar Carports

JMC has the largest size range of structural tubing in North America. Our larger sizes (12” – 20”) are widely used for carport applications throughout the solar industry. In addition, we offer fabrication services that help reduce labor costs in the field.

Cross Members

JMC specializes in square tubing. Whether it’s for a fixed-tilt or solar tracking system, JMC’s cross members are the preferred choice. They’re available in a variety of sizes and gauges, from 1” – 16” (.065” to .625” wall).

Solar Racking Solutions

Whether you’re building a racking system for groundmounted or rooftop solar applications, JMC’s galvanized mechanical tube is the ideal solution. Our tube comes in a variety of sizes and thicknesses.

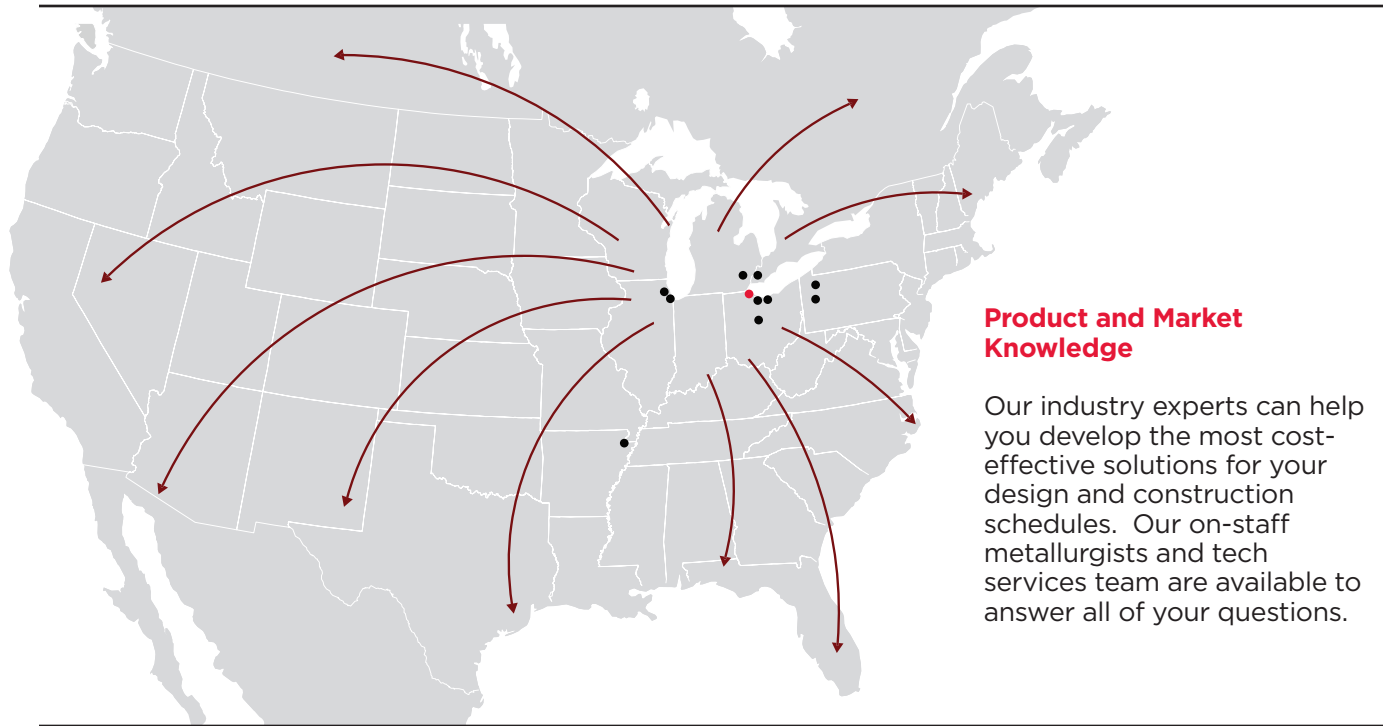
- Rounds .706” – 5”
- Squares .625” – 4”
- Rectangles .75” x 1 1/2” through 2” x 6”

We galvanize in-line to reduce costs. Then add an extra layer of proprietary clear coating to enhance durability and increase corrosion resistance. JMC’s steel tubing is the #1 inline galvanized product in the industry.

Learn more about our Galvanized Mechanical Tube at www.wheatland.com



Where We Make The Products for the Solar Energy Industry



We Set the Standards For Quality

All of our facilities have quality systems, which, at a minimum, are registered to ISO 9001:2008 Quality Management System standards.

We meet the specifications and standards of ANSI, ASTM, CSA, FM Global, UL and we're licensed to produce products to American Petroleum Institute (API) standards and the automotive industry's demanding ISO/TS 16949:2009 Quality Management System Standards.

Not only do we meet the industry's highest standards, we help establish them. We're actively involved in helping develop the codes and standards for the industries in which we operate.

And to assure that we measure up to *your* standards, we maintain comprehensive in-house lab and testing capabilities — tensile and hardness testing, steel chemistries, corrosion protection, heat treating, metallurgical analysis and wet chemical analysis.



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Corporate Office
227 West Monroe Street
Chicago, IL 60606
info@jmcsteelgroup.com
jmcsteelgroup.com



700 South Dock Street
Sharon, PA 16146
Ph: 800.257.8182
Fax: 724.346.7260
info@wheatland.com
wheatland.com



9208 Jeffrey Drive
Cambridge, OH 43725
800.PICOMA1
picoma.com



Chicago (U.S. Headquarters)
1855 East 122nd Street
Chicago, IL 60633
Ph: 800.733.5683
Fax: 773.646.6128

Harrow (Canadian Headquarters)
200 Clark Street, P.O. Box 970
Harrow, Ontario, NOR 1G0
Ph: 800.265.6912
Fax: 519.738.3537
www.atlastube.com

JMC Steel Group prides itself on having the knowledge and experience to deliver your steel pipe and tube solutions.

Since the founding of the company in 1877, when John Maneely first began selling pipe, valves and fittings in Philadelphia, our products — Hollow Structural Steel (HSS), pipe, tube, electrical conduit — have been used in some of the best known structures in North America, because our pipe and tube solutions deliver superior quality and value that have earned the trust of customers who demand the very best. JMC Steel Group has the knowledge, experience and credentials — qualities that we have earned and that have made us successful in the marketplace — to be there for you.

Today, we are the largest independent pipe and tube manufacturer in North America, producing 2 million tons of pipe and tube annually in our 11 manufacturing plants.

We are one company, with one goal: to deliver the pipe and tube solutions that contribute to our customers' success.