



Building tough components for demanding industries

(866) 635-1862

National
Metal Fabricators



National Metal cut the leafy pattern in the overhead canopy for the entrance of the Morton Arboretum out of 1/2" plate.

Welcome to National Metal Fabricators - since 1944 one of the nation's leaders in custom metal fabrication and rolled angle rings. Reliable and consistent service, quality and versatility are the tenets that have served as National Metal Fabricators' foundation for steady growth. Via this brochure take a moment to visit our 50,000 sq. ft. manufacturing facility.

National Metal components and products are found throughout the industry. National's nationwide customer base includes companies involved in:

- | | | |
|-----------------|---------------------|-----------------|
| AGRICULTURE | ELECTRONICS | PLASTICS |
| AIR HANDLING | EXHIBITS / DISPLAYS | PRINTING |
| ARCHITECTURAL | FOOD | SCIENTIFIC |
| ART / SCULPTURE | FURNITURE | INSTRUMENTATION |
| AUTOMOTIVE | HEAVY EQUIPMENT | SIGNS |
| CHEMICAL | LIGHTING | SPORTING GOODS |
| CONCRETE FORMS | MATERIAL HANDLING | TRANSPORTATION |
| COMMUNICATIONS | MACHINERY | VENTILATION |
| EDUCATION | MEDICAL EQUIPMENT | ZOOS |

For more information, visit one of our web sites – www.nmfirings.com, www.angle-rings.com, and www.bar-milling.com.

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FABRICATION



Laser cutting, shearing, punching, press brake forming, welding/assembly, — in short National Metal means metal fabrication! We take on all jobs ranging from prototypes to large production runs. Our customers represent a broad spectrum of industries including agriculture, electronics, air handling, material handling, lighting, medical, nuclear medicine, machinery and many more.

The flagship of our fabricating department is our 2000-watt Cincinnati Laser Cutting Center. A large 6' x 12' dual pallet cutting table with 1/2" HRS plate, 1/4" SS plate, and 3/16 aluminum max. cutting capacity offers the latest in laser technology and ensures the accuracy and quality demanded in today's marketplace. Press brake forming up to 14', shearing up to 3/8 x 12' offers the flexibility to handle the big jobs along with the small ones.



Components include heat exchangers, hoppers, guards, custom lighting fixtures, cabinets, machine frames, conveyor components, architectural parts and construction related parts. Sending us your inquiry has never been easier. National Metal can accept your CAD drawings in electronic form. We use AutoCAD R2005 for layout work and engineering part geometry and nesting.

The normal clichés touting on-time quick deliveries, top service, etc. are just that, clichés. There is only one way to prove our worth, that's to contact National Metal on your next job. We either do it right and on time, or we don't deserve your business. It's as simple as that.

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ANGLE RINGS

National Metal makes the most accurate rolled angle rings available.

Be it our standard in-stock line of angle rings or a custom rolled ring there simply is none better.

National can custom roll carbon and stainless steel angle up to 5x5x1/2 leg-out and 4x4x1/2 leg-in. Various structural shapes such as bars, channels, t-bars, round rod and selected pipe sizes in carbon steel, stainless steel, aluminum, brass and other ductile metals are available.

Custom rolling means just that – we roll to your specs. Full rings, segments, with or without holes, leg-out or leg-in, – we'll roll to what you want in any quantity. That goes for welding specs too. Whether it's a 100% penetration weld, two or one side weld, grind on specific sides, just let us know what you need for the job and that's what we'll make.



We carry in-stock angle rings in 3" – 48" diameter punched or plain along with selected sizes in stainless steel. The accompanying angle ring page gives you all the specifications and prices for our stock rings.

Take advantage of our web site www.angle-rings.com for your inquiries. Just click on the Submit Inquiry link on our site. You'll be directed to our inquire page form. Fill in the information required and click "SUBMIT." Of course you can always contact us by email at sales@nmfrings.com.



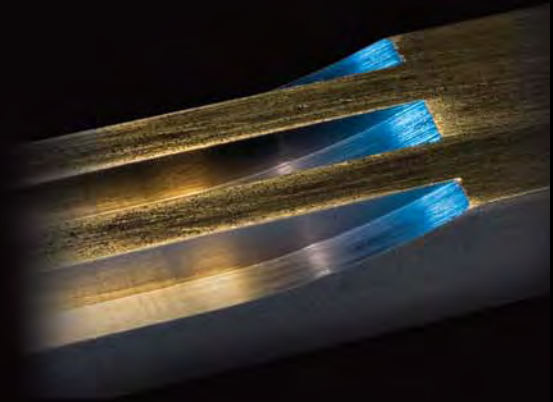
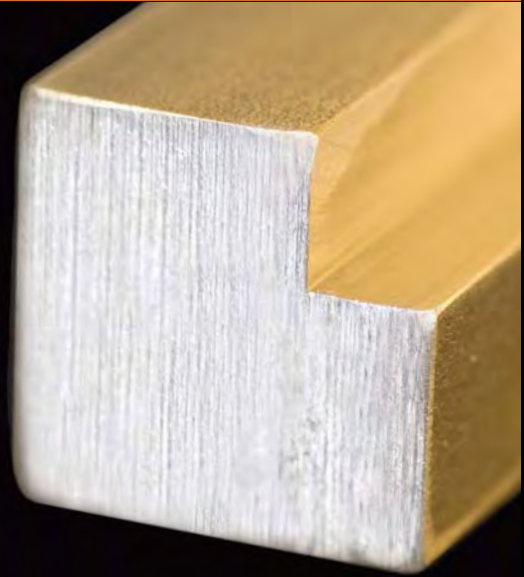
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BAR MILLING

The art of continuous bar milling means taking a traditional bar shape and creating a new shape down the entire length of material. This is done through a series of specialized cutters and fixtures engineered specifically for each bar milling job.

Once completed your length of material, be it steel, stainless steel, brass or aluminum, take on the new continuous production profile that your job called for.

National can convert angles, square bars, hex bars, rounds, and channels, to your customized shape up to 20 ft. in length. Some of the more common shapes and configurations include keyways, slots, bevels, steps, or milling the material down to a smaller dimension while retaining the material's original shape.



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We've all heard the old saying, "The more things change the more they stay the same."

Take a look at the ad above. It's one of our first ads first used in 1950. Because the rings don't fit you can just watch the dollars float away. Despite all the workplace transformations since 1950, when it comes to rolled rings if they aren't made right they will cost you. National Metal's commitment to consistency of performance to you, the customer, ensures a perfect fit on every ring you order.



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