



**SHARPE
PRODUCTS**

ISO 9001:2000 REGISTERED



**CUSTOM PIPE & TUBE BENDING
& FABRICATING SERVICES**



SHARPE PRODUCTS, YOUR PIPE & TUBE BENDING SOLUTION!

Sharpe Products is an ISO 9001:2000 registered company and a leader in custom pipe and tube bending. Our experienced team, along with the latest machinery and technology ensures our customers quality products, competitive pricing, quick lead times and on-time shipping.

- NC & CNC Mandrel Bending & Rolling up to 6" O.D.
- Latest Tube Inspection Technology Ensures High Quality Parts
- Job Sizes Ranging From Prototype to High Volume Production
- Value Added Services Including End Forming & Welding
- A Tooling Inventory of Over 600 Bend Die Sets
- Inventory Management Programs Available



WELCOME TO SHARPE PRODUCTS!

Established in 1990, Sharpe Products began providing custom bending solutions primarily for the architectural handrailing industry. Since then, our growth has allowed us to expand our capabilities to competitively meet the custom bending needs of many industries such as the automotive and furniture industries. We now serve many Original Equipment Manufacturers (OEMs) by meeting their complex bending needs in a timely and cost effective manner.

With this continual growth and the addition of new technologies, machinery, and tooling Sharpe Products is not only able to offer custom bending capabilities, but additional add-on services such as fabrication, and end forming. Finishing services are also offered through partnerships with our reputable outside sources to complete your project.

There is a sense of responsibility that stems from knowing the value of a satisfied customer. Maintaining this sense of responsibility permits us to offer customized and flexible services for every customer, based on each individual's project. The attention to detail that each team member gives to a project ensures that it progresses smoothly and gives the customer confidence that the job will be done accurately, and result in a quality product. Through our commitments to keeping the lines of communication open and a thorough understanding of the scope of the project presented, we are able to deliver quality products, competitive pricing, on-time shipping and great customer service.

Sharpe Products, your bending solution!

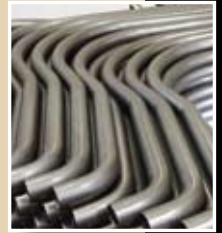
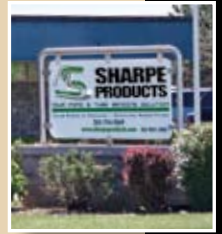
CAPABILITIES & SERVICES

Machinery

Sharpe Products is equipped to bend tube and pipe from 1/4" O.D. to 6" O.D. We have a total of 16 tube benders, 10 of which are CNC benders and 6 that are NC benders. Within our CNC benders we have 6 multi-radius CNC machines, 3 of which have additional tube generation capabilities for large radii, and 1 twin head compression bender.

Latest Technology

- **UNISON 76mm BENDER:** Our Unison 76mm bender is an all electric bender that bends up to 3" O.D. It provides high accuracy and repeatability and also has multi-radius, tube generation, and hole punching capabilities. The punching capabilities with the Unison bender eliminates the need for extra steps in the production of parts that require this option. These capabilities of the Unison bender result in more cost efficient parts.





CAPABILITIES & SERVICES (CONT'D)

- **NISSIN 3D BENDER:** This bender offers extraordinary advantages over conventional bending machines. A tube is continuously guided through a single die according to the programmed specs. This single die technology offers flexibility in part design which is unmatched by other forms of bending. Advantages over conventional tube bending include: the ability to produce multi-radii parts without additional tooling, little to no distance required between bends, tube roundness and thickness are maintained as the part continuously passes through the die, and the ability to produce angles greater than 180°. Minimal set-up and lead times are achieved for even the most complex parts making this bender ideal for production of prototypes to high volume production.



- **CNC TWIN HEAD COMPRESSION BENDER:** The CNC twin head compression bender can bend up to 1-1/2" O.D. This bender forms two bends simultaneously, and is ideal for high speed manufacturing of symmetrical shapes. Handles, furniture, and frames of many varieties are typical applications for this type of bending.

ADDITIONAL PIPE & TUBE SERVICES

Tooling

We offer a very large inventory of tooling with over 600 bending dies. This allows our customers to save on tooling costs. In addition to our already furnished inventory, we also have a tool and die design department, ready to meet any of your custom die needs. The tool and die department can build your die in a cost efficient manner with shortened lead times.



Value Added Pipe & Tube Services

To help complete your project Sharpe also offers:

- High Speed Cutting
- End Forming: Reducing, Expanding, Flaring, Swaging, Beading, and Threading
- Fabrication: Notching, Punching, Welding, Coping, and Drilling
- Finishing: Anodizing, Polishing, and Powder Coating

Inventory Management Programs

For customers who have a continuous need for their products, Sharpe Products offers inventory management programs such as kanban, and stock and release programs. These programs provide our customers with shortened lead times for lean operations.



QUALITY ASSURANCE & PROCESS VERIFICATION

Before your product is even made, Sharpe Products starts with a plan for your project to maintain quality from start to finish. This helps to stabilize our customers confidence of a smooth development process in the making of the product.

ISO Certified

Sharpe Products is ISO 9001:2000 Registered. It is our goal to continually improve the effectiveness of our quality management system to consistently increase your satisfaction.

Tube Inspect

The Tube Inspect is specifically designed for the tube bending industry. It inspects parts in seconds with the click of the mouse and sends corrections back to the bender if needed. This results in shortened set-up times and more accurate set-up of parts. Detailed reports can also be made from the data taken from the part inspection. The Tube Inspect also has the capability of reverse engineering from existing parts or prototypes.

BluCo Table

Sharpe utilizes its precision machined BluCo Table to quickly and easily set-up go/no-go inspection gages providing a low-cost solution to having 100% inspection during production.

Romer Inspection Machine

Our Romer Machine provides the benefits of a CMM along with additional enhancements specifically designed for tube bending inspection. It generates precise measurements, produces detailed reports, and has the ability to reverse engineer from existing parts or prototypes. With these features assisting us, we can deliver you quality parts.

CUSTOM BENDING MADE EASY

Sharpe Products custom bending and fabrication services offers an effortless solution for your bent product needs. The key factors to this effortless solution are our experience, resources, and customer service. Our teams know-how in working with all types of materials in many shapes and sizes, enables us to give you exactly what you expect.

THE SHARPE TEAM IS HERE FOR YOU

Call us at **800-879-4418** or e-mail **bending@sharpeproducts.com** for more information on our custom pipe/tube bending services or to request a quote.





NISSIN

PRECISION MACHINES Co.,Ltd.





ISO 9001:2000 Registered

2550 S. 170th Street • New Berlin, Wisconsin 53151
Ph: 262-754-0369 or 800-879-4418 • Fx: 262-754-0374
E-mail: bending@sharpeproducts.com • www.sharpeproducts.com