



# **SANDMEYER STEEL COMPANY**

**LARGEST  
INVENTORY**

**VALUE-ADDED  
EXPERTISE**

**UNSURPASSED IN-HOUSE  
CAPABILITY**

**NEAR-NET  
SHAPES READY  
FOR PRODUCTION**

# LARGEST INVENTORY

**North America's  
Largest Single-Site  
Inventory of Specialty  
Plate Combined with the  
Most Comprehensive  
Processing Capabilities  
All Under One Roof**

## **Yes, Sandmeyer's Got It!**

- Over 15 million pounds of specialty stainless, nickel alloy, and titanium plate in stock
- Thicknesses to 6" (152.4 mm)
- Widths to 120" (3048.0 mm)
- More incremental stock thicknesses

Scan the QR code above right to see our inventory.



## **State-of-the-Art Laser Cutting System**

### **Customer Benefits**

- High-speed cutting assures reduced cycle times of light and intermediate thickness processed parts
- Cuts near-net shapes to accuracy levels and close tolerances through 1.25" (31.8 mm)
- Minimal heat-affected zone enables tighter nesting when compared to plasma cut parts
- Cuts different thicknesses without operator intervention

### **Thickness Range**

- .1875" (4.8 mm) to 1.25" (31.8 mm)

### **Table Size**

- 144" (3657.6 mm) x 528" (13411.2 mm)

### **Tolerances**

- $\pm .030$ " (.76 mm) all dimensions

## **Machincut Operations**

### **Customer Benefits**

- "Specialty of the house" — nearly any machined configuration is readily available from our unparalleled in-house processing capabilities
- Turning up to 124" (3149.6 mm) OD
- Surface facing, one or both sides to any thickness and to a 63 RMS finish
- Bevels, counterbore, gasket face, grooves, and fine surface and edge finishes available
- *Machincut* operations that are "second to none" assuring you will receive the ultimate lowest "cost in use" products

### **Thickness Range**

- .1875" (4.8 mm) to 6.0" (152.4 mm)

### **Maximum Cut Piece Size**

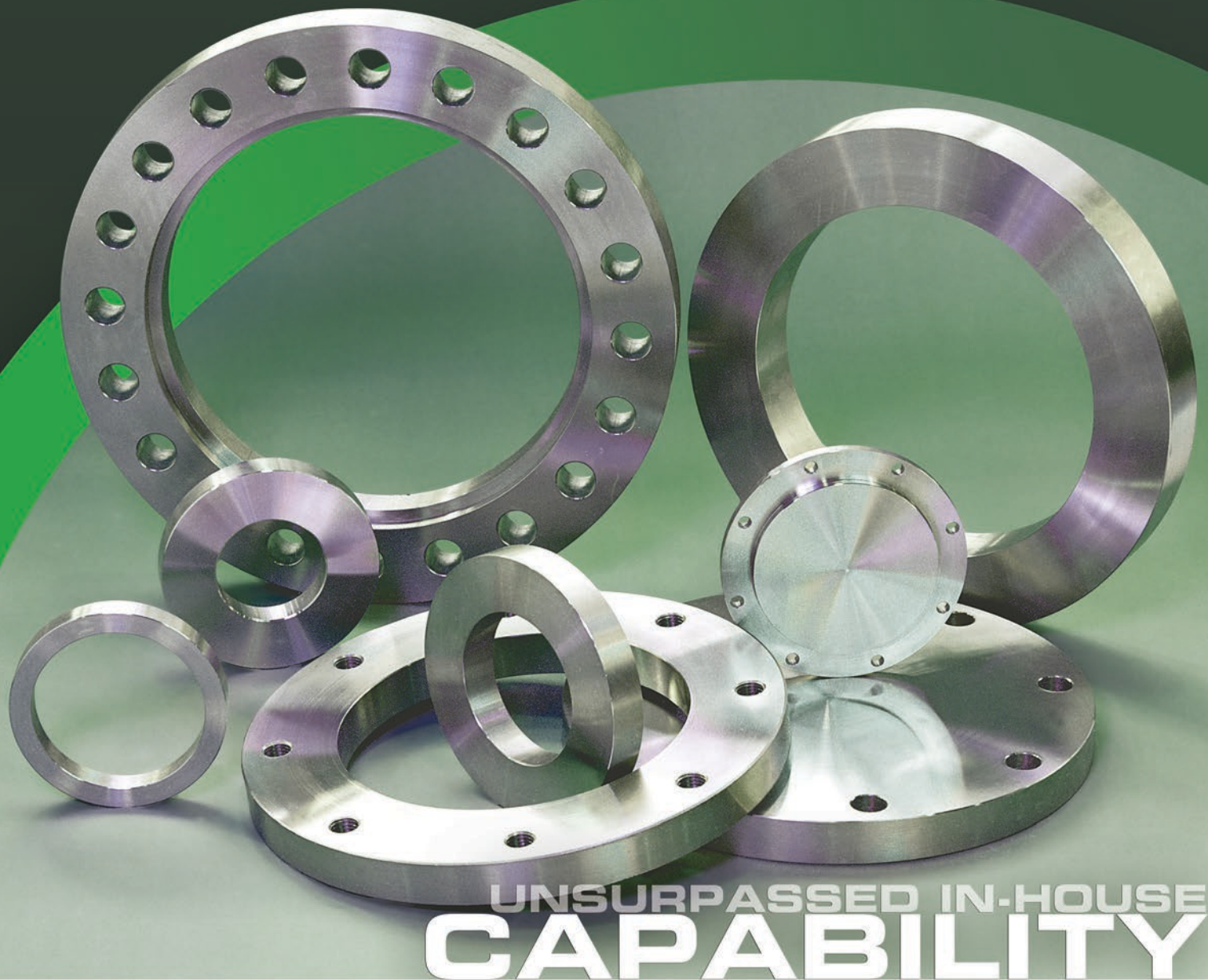
- 124" (3149.6 mm) OD

### **Tolerances**

- $+.0625$ " (1.6 mm),  $-.000$ " on the OD and  $+.000$ ",  $-.0625$ " (1.6 mm) on the ID
- Special tolerances — upon application







## Milling

### Customer Benefits

- Sophisticated three axis, double column vertical machining center
- Capable of producing special edge finishes with close tolerances on rectangular plate
- Machines special edge finishes on custom shapes and configurations
- Unsurpassed high productivity, speed, precision, and heavy duty cutting of material up to 28.74" OD

## Drilling, Tapping, Counterboring

### Customer Benefits

- Proprietary drilling technology research and development
- State-of-the-art automatic indexing drilling equipment can be supplied in same turnaround time as machined rings and discs
- Thread tapping and counterboring performed in-house
- Can handle stacked drilling through 8.0" (203.2 mm), drilled tube sheets and baffles up to 95" OD (2413.0 mm) with hole size to customer specifications



**Over 100  
Pieces of Plate  
Processing  
Equipment  
Under One  
Roof Assures  
On-Time Deliveries**



Scan the QR code above to see our value-added processes.

## Bandsaw Cutting Center

### Customer Benefits

- Four machines
- Fully automated cutting heads and plate feed assures accuracy and repeatability of every cut
- Cuts full-size patterns along with narrow bars to supply non-standard bar sizes and material types
- No heat-affected zone

### Thickness Range

- .1875" (4.8 mm) to 6.0" (152.4 mm)

### Table Size

- 126" (3200.4 mm) x 275" (6985.0 mm)

### Maximum Piece Weight

- 15 tons

### Tolerances

- Within .125" (3.2 mm) width and length
- Edges perpendicular and parallel to within .0625" (1.6 mm)



## Plasma Cutting, High-Definition Plasma Cutting, and Plasma Beveling

### Customer Benefits

- Three in-house machines including a high-definition with beveling torch assure fast on-time deliveries
- Rectangles, rings, discs, and special shapes are available
- Rectangles, discs, and special shapes may be beveled
- Accurate bevel parts with square corners and minimum scrap
- High-definition benefits
  - Less taper on each piece
  - Tighter tolerances than standard plasma cutting
  - No weld prep required
  - Consistency and repeatability on each piece
  - Precise and consistent near-net shapes

### Thickness Range

- .1875" (4.8 mm) to 6.0" (152.4 mm) — conventional plasma
- .1875" (4.8 mm) to 2.0" (50.8 mm) — high-definition
- .1875" (4.8 mm) to 3.0" (76.2 mm) — bevel cut

### Bevel Range

- $\pm 52$  degrees

### Tolerances

- $\pm .0625$ " (1.6 mm) — high-definition

### Table Size

- 144" (3657.6 mm) x 540" (13716.0 mm)

# UNSURPASSED IN-HOUSE CAPABILITY

## Abrasive Waterjet Cutting System

### Customer Benefits

- Four machines with seven cutting heads and custom-designed water tables
- Near-net shapes and intricate parts processed to accuracy levels and the close tolerances you require
- Minimizes or eliminates secondary finishing
- Superior edge quality with no heat-affected zone enables tighter nested patterns and better yields
- Unmatched capacity resulting in reduced cycle time and faster deliveries of processed parts
- Capable of 5-axis bevel cutting and complex contour profiling up to  $\pm 52^\circ$  and  $\pm 3^\circ$  on tolerance

### Thickness Range

- .1875" (4.8 mm) to 6.0" (152.4 mm)

### Table Size

- 168" (4267.2 mm) x 300" (7620.0 mm)

### Maximum Piece Weight

- 10 tons

### Tolerances

- Capable of cutting within  $\pm .03$ " (0.8 mm) based on the thickness, grade, and size of the piece







## Flattening

### Customer Benefits

- Every piece that ships from our plant is flattened to at least half commercial mill tolerances at no additional cost to you
- Critical flatness requirements can be addressed
- Capable of flattening within .0625" (1.6 mm) based on the thickness, grade, and size of the piece
- Flattening tube sheet blanks is a specialty



## Rolled Segments and Welded Rings

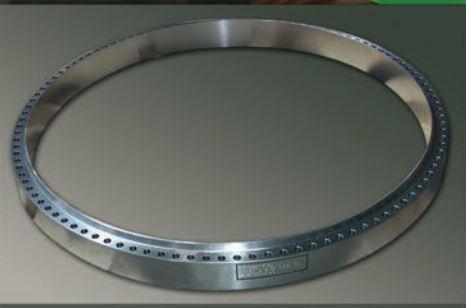
### Customer Benefits

- Economical process for producing large diameter rings and segments
- Eliminates center drop yield loss
- Bandsaw cut stainless steel and nickel alloy bars can be rolled the easy-way or hard-way
- Welders are ASME Section IX qualified
- X-ray on request (partial data reports available)
- Additional machining available





**Abrasive Waterjet Profile Shape**



**Rolled and Welded, Machined, and Drilled Rings**



**Machinist Discs**



**Abrasive Waterjet Spectacle Flange**



**Laser Cut Digester Ring**



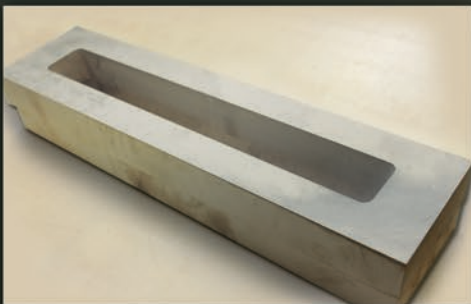
**High-Definition Beveled Plasma Cut Pattern**



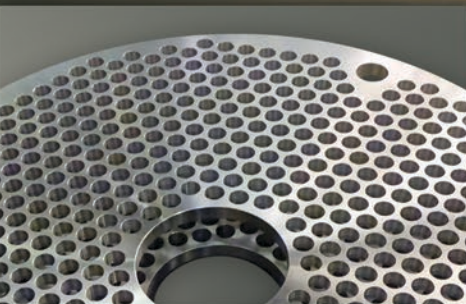
**Machinist Products**



**Bandsaw Cut Blocks**



**Bandsaw Cut and Milled**



**Machinist and Drilled Tube Sheet**



### IN-HOUSE SERVICES:

Abrasive Waterjet Cutting  
Bandsaw Cutting  
Boring  
Contour Milling  
Counterboring  
Countersinking  
Drilling  
Facing  
Formed Segments  
High-Definition Plasma Cutting  
Laser Cutting  
Milling to Non-Standard Thicknesses  
Partial Data Reports  
Pipe Tapping  
Plasma Beveling  
Plasma Cutting  
Raised Face  
Ring Rolling  
Tapping  
Tube Sheet Drilling  
Turning  
Waterjet Beveling  
Welding

### QUALITY SYSTEMS:

ASME SECTION III  
ASME SECTION VIII  
MIL-I-45208A

### OUTSIDE SERVICES:

Cone Forming  
Cylinder Rolling  
Formed and Polished Parts  
Grinding  
Heat Treating  
Machining Services  
Plate Forming  
Polishing

### MATERIAL SPECIFICATIONS (where applicable):

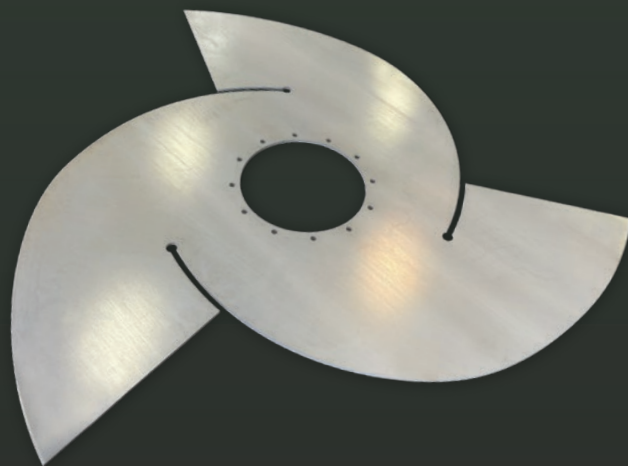
AMS	NORSOK
ASME	PED
ASTM	QQ-S
NACE	QQ-N
Customer Specifications	

### TESTING:

Corrosion Testing  
Grain Size Testing  
Hardness Testing  
Impact Testing  
Tensile Testing  
Ultrasonic Testing

## Why Sandmeyer Should Be Your One-Stop Source for Specialty Plate

- ✓ **North America's Largest Plate Inventory**  
Stainless, nickel alloy, and titanium plate stocked in thicknesses up to 6.0"
- ✓ **Full In-House Processing**  
Beveling, flattening, waterjet cutting, tube sheet machining, welding and more
- ✓ **Certified Quality Systems**  
Commercial, military, and nuclear programs ensure compliance and consistency
- ✓ **70+ Years of Industry Expertise**  
Trusted by leading OEMs, fabricators, and machine shops



# VALUE-ADDED EXPERTISE

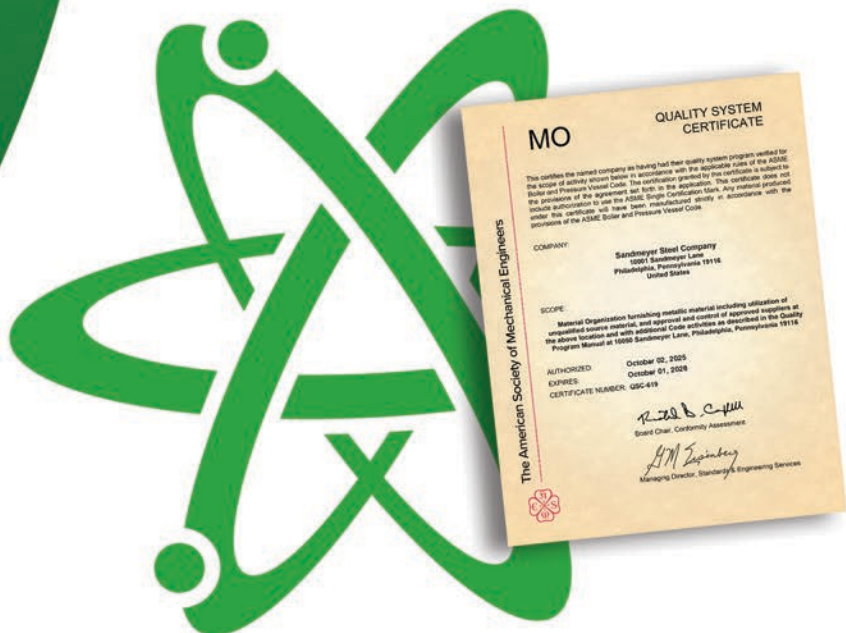
## An ASME Section III Quality System Certificate Holder for Nuclear Material Organizations

ASME Certificate Number QSC-619

For quality information or questions, please contact us at [quality@SandmeyerSteel.com](mailto:quality@SandmeyerSteel.com)



Scan the QR code above to see our nuclear capabilities.







Scan the QR code above to visit our website.



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