



# PEGASUS STEEL



Pegasus Steel is a world-class ISO 9001-2015 certified manufacturer and AISC member specializing in large, complex steel fabrications.

We maintain two state-of-the-art facilities and a welding school, employ more than 160 skilled team members and have invested millions into our operations – expanding our already robust capabilities and offering even greater value to new and existing clients.

Pegasus Steel cuts, forms and welds a vast array of materials using state-of-the-art equipment. Our skilled welders are qualified to Tech. Pub. 248 (NAVSEA), ABS Part 2 Commercial Shipbuilding Weld Code, AWS D1.1 and AWS D1.6.

The following is an overview of our industry-leading machines and capabilities:

### **Mighty USA Viper PRO-4223 Bridge Vertical Machining Center**

This versatile and powerful machine features a high performance spindle and is excellent for multi-purpose cutting, including large die molds and fine surfaces, and all-around machining.

#### **Machine Specifications**

- X-Travel: 165 in.
- Y-Travel: 90 in.
- Z-Travel: 39 in.
- Nose Taper: #50
- Speed (Gear): 6,000 RPM
- Speed (DDS): 10,000 RPM
- Motor HP: 50
- CNC Control: Fanuc



### **Haas 5-Axis Mill - EC-1600ZT-SAX**

The industry-leading Haas EC Series HMCs offer large work cubes and a maximum part capacity of 10,000 lbs, making them perfect solutions for your large-part machining requirements.

#### **Machine Specifications**

- X-Travel: 64 in.
- Y-Travel: 50 in.
- Z-Travel: 40 in.
- Max Speed: 10,000 RPM
- Max Torque: 340 ft-lbf
- Motor HP: 50
- CNC Control: Haas



**Pegasus Steel Specializes in World-Class Steel Fabrications**



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## Haas CNC Lathe - DS-30Y with Bar Feeder

The Y-axis turning center combines dual-spindle turning with Y-axis, C-axis, and live tooling to create a powerful “done-in-one” machining solution. Off-center milling, drilling, and tapping operations are also possible.

### Machine Specifications

- X-Travel: 12.5 in.
- Z-Travel: 23.0 in.
- Over Front Apron Swing: 31.8 in.
- Over Cross Slide Swing: 20.8 in.
- Over Second Spindle Swing: 21.8 in.
- Max Speed: 4,500 RPM
- Max Torque: 275 ft-lbf
- Motor HP: 30
- Bar Feeder Capacity: Material up to 8 ft. L & 2.75 in. diameter



## Peddinghaus Advantage-2 / DG-1250 Drill-Saw Tandem System

With automatic tool changing technology and completely electronic ball screw feed spindle motion, this tandem system offers powerful material handling, meticulous measurement capabilities and high-speed designs.

### Machine Specifications

- Number of Spindles: 3
- Spindle HP: 25
- Max Speed: 3,000 RPM
- Max Drill/Tap/Countersink: 1-9/16 in.
- Max Saw Cutting Size: 50 in. x 20 in.
- Blade Motor Power HP: 20



## Peddinghaus Peddiblast RT-1500-600 Blast Cleaning System

This 4-turbine system is designed for cleaning profiles and plates. Multiple profiles can be blasted simultaneously, before or after production, or fed through the machine on auxiliary carrier frames/small part trays.

### Machine Specifications

- Max Section Height: 24 in.
- Max Section Width: 50 in.
- Max Profile Weight: 730 lbs.



**Pegasus Steel: “Quality Product Delivered On Time.”**



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## C.R. Onsrud M Series CNC Router - 145M12C

With its robust CNC platform, this moving gantry router boasts rigid steel-frame construction and highly responsive drive mechanisms providing power, precision, speed and durability to complete complex projects.

### Machine Specifications

- X-Travel: 145 in.
- Y-Travel: 78 in.
- Z-Travel: 9 in.
- Table Size: 145 in. x 61 in.
- Max Speed: 24,000 RPM
- Motor HP: 12



## Messer MPC2000 Oxyfuel Cutting Machine

This machine offers excellent cut part quality and productivity. Digital AC Brushless servo drives and precision planetary gearboxes in both the 'X' and 'Y' axes allow for high-speed positioning and contouring at 1400 IPM.

### Machine Specifications

- Cutting Stations: 4 ALFA Oxyfuel Cutting Torches
- Cutting Table: 18 ft. x 80 ft. Down Draft Table
- Max Cutting Thickness: 7 in.
- Bevel Station: 1 DAF/L Triple Torch Bevel Head
- Max Bevel: 22.5° on 4-in. Plate
- CNC Control: Messer Global® Operator Panel



## Messer MPC2000 HPR400XD Plasma Cutting Machine

This machine offers excellent cut part quality and productivity. Digital AC Brushless servo drives and precision planetary gearboxes in both the 'X' and 'Y' axes allow for high-speed positioning and contouring at 1400 IPM.

### Machine Specifications

- Cutting Stations: 3 Hypertherm HPR400XD Plasma Cutting Stations
- Cutting Table: 18 ft. x 80 ft. Down Draft Table
- Max Cutting Thickness: Carbon Steel - 3 in.; Stainless Steel - 2.5 in.
- Tru Hole Technology: Plasma Cut "Drilled Quality" Holes
- CNC Control: Messer Global® Operator Panel



**Pegasus Steel: Well-Equipped for Industry-Leading Excellence.**





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## Nieland SBP 1000 Roll Forming Press

Our new 1,000-ton cold forming press, one of the largest in the U.S., enables us to stretch, bend and roll metal synchronously and is ideally suited for producing complex single and double curved panels.

### Machine Capabilities

- **Materials Capacity:** Up to 50' L x 10' W and 3" Thickness
- **Panel Types:** Double curved, cylindrical, conical, bulbous, saddle, twisted
- **Synchronicity:** Eliminates need to weld panel pieces together to form complex shapes.
- **Cost-Efficiency:** Cold forming is 8-10 times faster and more precise than conventional line-heating methods, which results in lower costs and higher quality.



## TRUMPF TruLaser 3060 8kW Fiber Machine

In addition to its oversize (20-ft x 8-ft) format and multi-sheet processing capabilities, this flexible laser cutting machine features a BrightLine fiber, which promises the highest edge quality and facilitation of part removal.

### Machine Capabilities

- **Oversize Format:** 20 ft. x 8 ft.
- **Materials Capacity:** Capacity to cut wide array of materials with high-quality cutting edges in sheet thicknesses of up to 1 in.
- **Processing Capacity:** Multi-sheet capacity
- **Cost-Efficiency:** Exceptional speed and precision afford time savings and greater quality and cost-efficiency.



## PythonX Structural Beam Line Cutting Machine

Touted as the world's #1 robotic structural steel fabrication machine, the PythonX offers broad processing capacity, in terms of variety and size of materials, and is capable of drilling, coping and cutting to length.

### Machine Capabilities

- **Materials Capacity:** Beam, square & rectangular tube, channel, angle, flat, aluminum/stainless and bulb flat. Materials up to 60' L x 10' W
- **Processing Capacity:** Beam width: 4"-36"; HSS tube 2"-16"; angle 2" x 2"; channel: width 3"-36", height 1.25"-4"; Strip: width 4"-36", thickness .25"-2"
- **Cutting/Coping:** Ability to create bolt holes, cope (deep/shallow) and cut to length
- **Patented Process:** Enables machine to produce AISC-compliant, nearly taperless structural bolt holes.



**Please contact Sonya Mitchum Joyner today for a quote or additional information:  
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