



AVENGER⁺

CNC MULTIFUNCTION DRILL LINE

for beams, angles, flat bars, square tubes and more

Built exclusively for Ocean Machinery by Peddinghaus

A NEW WAVE

OF PROFITABILITY...

OCEAN DOES IT AGAIN!

- ✓ 1/2 the Floor Space
- ✓ 1/2 the Price
- ✓ 2X the Versatility



INCREDIBLY VERSATILE

This amazing drill line can process a wide variety of structural profiles from the lightest sections all the way up to jumbo columns with ease. The Avenger PLUS handles:

- Beams
- Angles
- Channels
- Base Plates
- Flat Bars
- Square and Rectangular Tubes
- Round Tubes and Pipes
- Tapered Beams and Unequal Sections
- Welded Built-Up Sections and Assemblies
- Pre-Cambered Beams
- Special Profiles (rails, extrusions, etc.)



■ PRECISION BALL SCREW SPINDLE FEED

THE SOLUTION TO YOUR PROBLEM

Consider the cost of fabrication in your shop. If you currently do some operations manually or must perform sequential operations on multiple machines, you are needlessly paying for extra work. Even the most conscientious worker cannot match the productivity of a fully automatic, multi-function CNC machine. On the other hand, huge CNC machines can make short work of steel beams, but unless you're a high volume fabricator, their cost is prohibitive and the space they occupy is precious.



■ CARBIDE DRILLS & MILLS FOR FASTER WORK

A NEW WAY TO INCREASE PROFITS

Now, with the introduction of the Ocean Avenger PLUS, a unique CNC drill line designed and built in the USA by Peddinghaus, you have a cost effective way to manage your output. Since introducing the Ocean Avenger and Avenger PLUS, hundreds of structural fabricators now enjoy the benefits of automated production: lower labor costs, increased capabilities and improved quality.

AVENGER+

A MULTI-FUNCTION CNC MACHINE

The Ocean Avenger PLUS is designed specifically for fabricators and general job shops that need to do more than just put holes in steel profiles.

The Avenger PLUS:

- Drills
- Mills
- Slots
- Threads
- Countersinks
- Counter-bores
- Scribes
- Marks
- And much more

EXCEPTIONAL ACCURACY

The positioning of the drill on the X-axis is accomplished by a highly accurate rack and pinion measuring system.

Y and Z-axis positioning are via precision ball screws and rotary encoders.

This superbly accurate and extremely fast positioning and measuring system provides hole-to-hole tolerance less than 1/32" and translates into higher quality work and faster assembly, saving time and money.

REMOTE CONTROL

The Ocean Avenger PLUS features a wireless control allowing the operator to control and position the drill remotely, increasing productivity.



INSTALLATION & TRAINING

The machine installation in your shop is handled by factory personnel.

Our intensive, qualified operator training program ensures a smooth transition to automated fabrication. Your drill line will be operational and your team expertly trained in a matter of days!



■ HEAVY DUTY HYDRAULIC SPINDLE MOTOR



■ EASY-TO-USE CONTROL PANEL

UNBEATABLE TECH SUPPORT

■ To service our global clientele, Peddinghaus proudly provides our customers with 24 hour technical support. Peddinghaus' inside service staff have years of experience in assembly and in factory checkout which provides them with hands-on experience with all machines.

■ Peddinghaus' expansive network of 50+ field service personnel are stationed throughout North and South America, Europe, Africa, Asia, Russia, the Middle East and Australia/New Zealand.

■ The Avenger PLUS features Remote Diagnostic Capability whereby the service department is able to remotely dial in to the machine and run a complete status check, making faultfinding simple and fast.

■ The Avenger PLUS is shipped with a high definition web camera and software; allowing Peddinghaus service employees to directly experience the activity at the customer's installation without the need to leave the office, increasing your machine up-time.



■ TABLE UP TO 100 FT. IN LENGTH



■ 8-POSITION TOOL CHANGER

AVENGER+

SPECIFICATIONS



CNC Drill Line Specs

| | |
|----------------------------|---|
| Maximum Profile Height | 48" based on max. opening of primary material clamp |
| Maximum Profile Length | 60' standard length; longer table available |
| Maximum X-Axis Speed | 150' per min. |
| Maximum Y-Axis Speed | 60' per min. |
| Spindle Motor Power | 25 HP servo spindle motor |
| Tool Changer Stations | 8 |
| Sub X-Axis Range of Motion | 5" |
| Spindle Speeds | 0 - 3,000 RPM continuously variable |
| Drilling Feed Rate | 0 - 30" per min. continuously variable |
| Spindle Stroke | 26" max. reach |
| Vise Clamping Power | 7 tons max., fully adjustable |
| Power Supply | 460V, 3 Phase, 60 Hz or 400V, 3-phase, 50 Hz |
| Manufacturer | Peddinghaus Corporation, Bradley IL, USA |

We reserve the right to modify features and specifications at any time.



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