

THE **HSFDB/C** HEAVY PLATE PROCESSOR



1800 / 2500 / 3200

B I G G E R • F A S T E R • S T R O N G E R



Peddinghaus



Dear Industry Partner,

Welcome to the World of Peddinghaus - The World of "BETTER".

In the world of Peddinghaus we aim to be better. Take a look at any of our 5,000+ installations throughout the globe. These fabricators experience reduced costs and higher production using our equipment. Why? Because with Peddinghaus they receive better technology, better service, and better quality than anyone else can provide. These things aren't easy to do, and not every company can guarantee what Peddinghaus does. I am proud that I can say these things because at Peddinghaus we work harder than anyone to give our customers the best. Whether they are located in New York, Los Angeles, or Chicago; they all receive the very same service, spare parts, and support that is second to none.

Welcome to Partnerships - From Software to Service to Sales.

At Peddinghaus we maintain strong partnerships with industry leaders to ensure your success. Whether this is our relationship with leading software providers (such as Shop Data Systems, Sigmanest, Steel Office, AceCad, Tekla, FabTrol, Design Data, and more) or our partnership with regional sales and support organizations - our goal is to work together to serve you better.

Welcome to the HSFDB-2500/C Plate Processor - More Than Just a Machine.

If you're using a burn table you have already experienced how much labor, floor space, and cost is involved with processing plate using old-fashioned technology. That is why Peddinghaus has redefined plate processing with the all-in-one HSFDB series of CNC plate processors. Born from the technology of the original HSFDB product line, the HSFDB-C boasts new features such as bevel cutting, SignoMart stamping, and expansive 12-station tool changer. Structural fabricators, manufacturers, and service centers the world over have learned quickly that this all in one concept is the answer to the problems that older plasma cutting technologies present.

In today's world how do you compete when steel can be bought and sold at close to the same price as your competitors? You must minimize the cost to fabricate! The HSFDB-2500/C can process parts at unbelievable speeds, averaging 1 ton per hour of plate up to 1" thick, and an impressive 2 tons per hour of plate thicker than 1". Combine this with scrap ratios as low as 5%, using a single operator, in half the floor space of a standard burn table machine. You can quickly see how this method of processing plate is twice as efficient as old fashioned burn table technology. The HSFDB-2500/C is more than just a machine, it is a solution to cut costs, increase profits, and succeed in today's globalized business climate.

I invite you to take a moment to learn what this machine has done for Peddinghaus customers in all corners of the world. I think you will be impressed with what you discover.

Welcome to Peddinghaus Service - Unmatched Global Support.

At Peddinghaus service is priority number 1. Peddinghaus' global team of customer support representatives are on duty, on call, all the time at our very own 24 hour customer support center. Combined with state-of-the-art remote diagnostic software, readily available local field support professionals, and the industry leading warranty - customer support from Peddinghaus is only a call or a click away.

Welcome to Peddinghaus - A Tradition of Innovation, a Reputation for Excellence.

My great-grandfather and grandfather perfected Ironworkers during their time with Peddinghaus; then it was my father's turn to pioneer the TDK drill line. In today's world I am proud that we at Peddinghaus continue to offer new solutions for our customers such as the HSFDB-2500/C. This is only possible through constant innovation, and continuing investment in research and development. I invite you to see why Peddinghaus technology is the chosen provider for steel fabricators the world over.

Carl "Anton" Peddinghaus
Chief Executive Officer - Peddinghaus Corporation



**IDEAL FOR PROCESSING
HEAVY PLATE IN AN ARRAY OF
INDUSTRIES INCLUDING:**

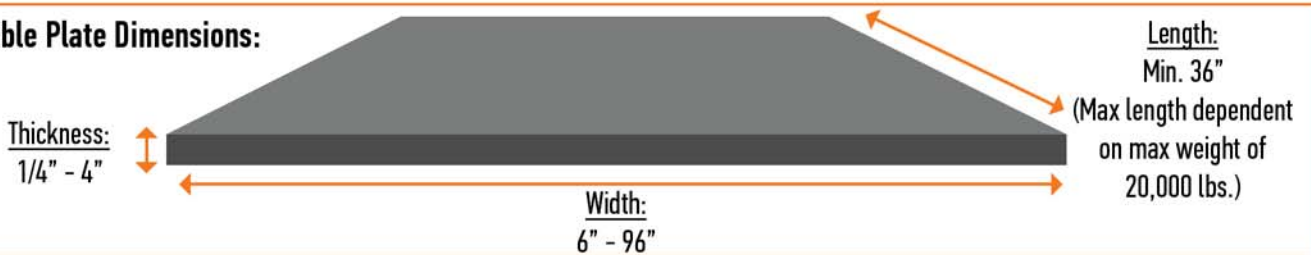
- Structural Steel Fabrication
- Tower Fabrication
- Bridge Fabrication
- Heavy Industrial Fabrication
- Agricultural Manufacturing
- Machinery Manufacturing
- Steel Stockholders/Service Centers
- Ship Yards
- Tank and Vessel Manufacturing
- Food Processing Equipment Manufacturing

HSFDB-2500/C



DRILL | MILL | TAP | COUNTERSINK | OXY-FUEL | PLASMA | BEVEL CUT | SCRIBE | STAMP

Acceptable Plate Dimensions:



Spindle Specifications	
Minimum Drill Size	1/4"
Maximum Drill Size	3"
Maximum Spindle Speed	2250 RPM
Spindle Horsepower	48 HP

Plasma Specifications	MIN	MAX
HPR 260 Edge Start Thickness	1/4"	2 1/2"
HPR 260 Piercing Thickness	1/4"	1 1/4"
HPR 400 Edge Start Thickness	1/4"	3 1/4"
HPR 400 Piercing Thickness	1/4"	2"

NOTE: 72" and 120" widths also available

ANOTHER **INDUSTRY FIRST** FROM PEDDINGHAUS

AUTOMATIC TOOL CHANGER

- Rotary tool changer capable of holding up to twelve tools
- Eliminates the need to manually change tooling during production
- Tool automatically selected upon program command



SIGNOSCRIP CARBIDE SCRIBING

- Ideal for part numbering or layout marking
- Capable of marking any character or symbol at various depths and orientations



AUTOMATIC TOOL LENGTH MEASUREMENT

- Automatically measures tool length before using in operation
- Tool length is used during the Smart Spindle process, thus expediting production



PLENUM CHAMBER & DUMP TABLE

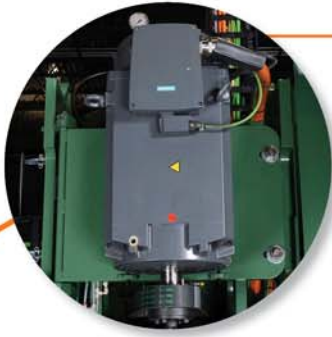
- Automatic dump table mechanism
- Parts up to 1,000 pounds can be unloaded with ease
- Copper lined plenum chamber is integrated for easy removal/containment of machine byproduct
- Automatic parts handling options available



SIGNOMAT PART STAMPING

- 36 station (number / letter) part marking press
- Rotates 360° to achieve proper orientation of characters in relation to part nest positioning





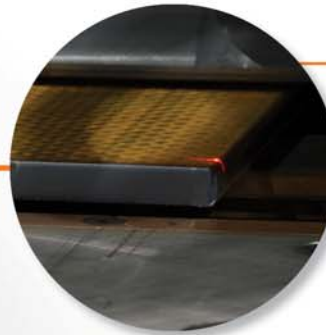
POWERFUL SIEMENS SPINDLE MOTORS

- High Speed 48 HP Siemens intelligent spindle motor
- Break-neck spindle speeds of up to 2250 RPM



THROUGH THE TOOL MINIMUM QUANTITY LUBRICATION SYSTEM

- 97% air, 3% eco-friendly vegetable oil based lubricant
- Eliminates flood coolant mess
- No need to clean parts before additional fabrication processes (welding, painting, etc.)



AUTOMATED MATERIAL DIMENSIONING

- Plate edge dimensions are detected by a contemporary laser probe system
- Plate thickness is determined by a transducer which is mechanically linked to the vertical clamping, and drive mechanism



ADVANCED SIEMENS ELECTRONICS

- Siemens 840d control panel
- Siemens drives, PLC, servo motors and more



OXY/PLASMA CUTTING

- Optional bevel cutting assembly for both Oxy-Fuel and Plasma torches
- High speed plasma: 260 or 400 amp plasma system are available
- Oxy-fuel cutting is available as cost effective and versatile alternative to plasma cutting

SPEED AND VERSATILITY COMBINED

The HSFDB-2500/C is the ideal machine for fabricators and manufacturers alike. Equipped with the ability to drill, mill, tap, countersink, deburr, plasma cut, oxy-fuel cut, bevel cut, and mark using the latest in tooling technology, the HSFDB-2500/C combines speed and versatility. The use of high speed carbide tooling, and the 12 station tool changer allows this machine to process plate in the most efficient way possible.

The streamlined flow of finished parts from stock plate to final assembly is just as critical as drilling, cutting, or other ancillary operations. Eliminate unnecessary manual handling with a Peddinghaus plate processing system. This provides unmatched efficiency in all aspects of operations.

MINIMIZE FOOTPRINT - FEED MATERIAL THROUGH AN EXTERNAL WALL

Peddinghaus' Roller Feed design makes it easy to place infeed conveyors outdoors. In addition to saving shop space, this innovative method eliminates unnecessary crane handling. It also allows other operations inside of the shop. Easily unload delivery trucks outside, and load conveyor without slowing other parts of production.

THE FRONT END UNLOADING SYSTEM

The Front End Unloader conveyor system is comprised of two roller transfer modules, each 6' in length, and a front end unloading belt. This is designed to streamline the handling of finished parts by conveying them from the operating area to a convenient unloading area. This option comes equipped with an automated retract system which allows for easy access to the operating area and scrap cart beneath the machine.

THE SIDE UNLOADING SYSTEM

The Side Unloader parts conveyor is designed to allow finished parts (up to 1,000 lbs) to drop directly onto a hardened steel conveyor which delivers them to an ergonomic unloading height at the operator station. The Side Unloader conveyor option transfers parts while the machine is in continuous operation.

The side unloader integrated with two 6' roller transfer modules facilitates the automated removal of both short and long parts. Smaller parts are unloaded directly onto the side unloader and delivered to the operator station. Longer components are removed by means of the roller transfer module. This option comes equipped with an automated retract system which allows for easy access to the operating area and scrap cart beneath the machine.



The Front End Unloading System



The Side Unloading System



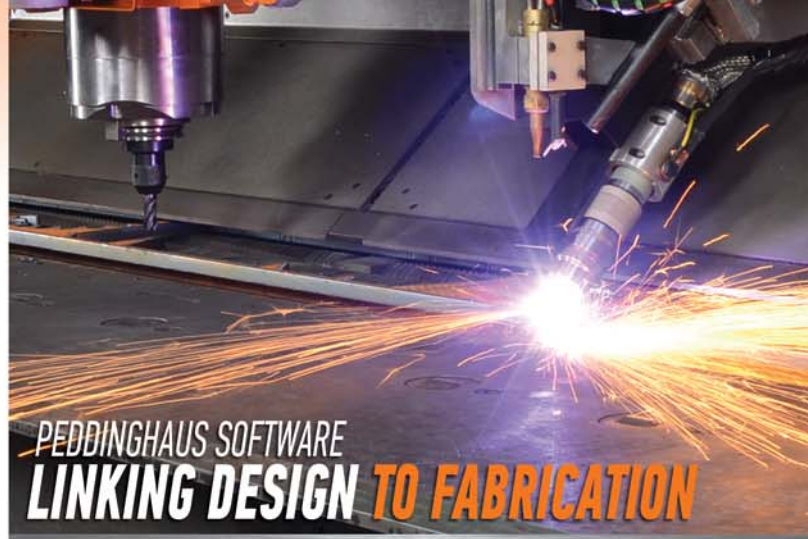
NESTING SOFTWARE

The HSFDB-2500/C proudly operates with many of today's modern nesting software solutions. These solutions allow fabricators to automatically batch nest existing files, edit on the fly, or create parts at the control console. There are no limitations to your programming needs!

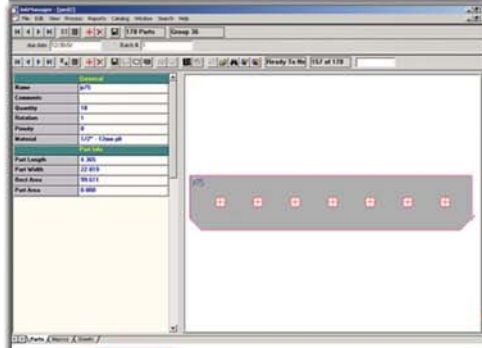
Using a wide array of software solutions, the Peddinghaus HSFDB-2500/C is able to take full advantage of common cutline, chain cutting, and edge start cutting techniques.

SOFTWARE FEATURES FOR PEDDINGHAUS PLATE MACHINES:

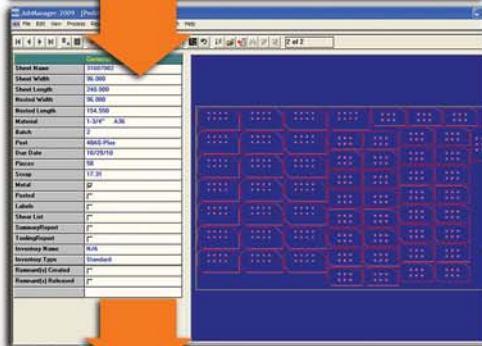
- Automatic Chain Cut Batch Nesting
- Automatic Common Cutline Batch Nesting
- Automatic Edge Start Batch Nesting
- End Milling Support and Automated Programming
- Face Milling Support and Automated Programming
- Remnant Inventory Management
- Automatic Remnant Nesting
- Automatic Pilot Hole Creation - Maximizes Consumable Life
- Customizable Program Macros
- Part within Part Automatic Nesting
- CAD solutions for at-machine program modifications
- Integrated Tool and Drill Management
- Automated Lead-In and Lead-Out Programming
- Integrated Material Database
- Inventory Management
- Production Tracking and Progress Reporting
- Nesting Report Tools which Include Time Estimates, Scrap Estimates, Cost Estimates, and More.
- Automatic Import of Multiple Common File Types which Include DSTV, DXF, etc.



PEDDINGHAUS SOFTWARE
LINKING DESIGN TO FABRICATION



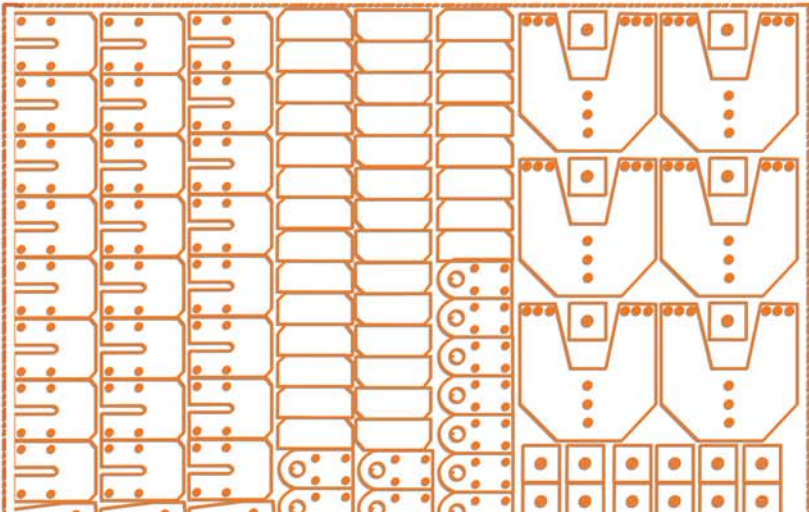
CAD Capabilities



Automatic Batch Nesting



Process and Fabricate



ON CALL. ON DUTY. ALL THE TIME.

24/7 Service and Support from Peddinghaus

24 HOUR CUSTOMER SERVICE

The Peddinghaus state-of-the-art Service Center continues to grow to serve you even better - and is available 24 hours a day!

- 60+ trained traveling field service technicians for on site assistance
- 20+ knowledgeable telephone technicians
- Complete training facility for operators and programmers

WEBCAM TROUBLESHOOTING

Each of Peddinghaus' machines are shipped with a simple to use webcam and software. Peddinghaus technicians can view mechanical questions from anywhere in the globe using this latest in customer service technology.

MODERN REMOTE ASSISTANCE

Peddinghaus' 24 hour tech support center is equipped with modern remote assistance technology. This allows Peddinghaus technicians to remotely diagnose machine questions or issues from anywhere on the globe. With the flexibility of the powerful Siemens control and modern remote internet software, Peddinghaus technicians can view the control screen of a machine in question with ease. Nearly 90% of service issues can be solved without the need for a service visit using this technology.

**24
HOURS
HELP
DESK**



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Peddinghaus

THE GLOBAL LEADER IN FABRICATION
QUALITY • INNOVATION • SERVICE

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SEE THE HSFDB
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