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 FPB-1800 Plate Processing Machine – 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. In the world of Peddinghaus, we provide solutions that offer twice the production of a burn table system. Capable of plasma cutting, punching and scribing – the FPB-1800 plate processor is providing savings in installations around the globe. Whether it’s structural components or manufactured parts, the FPB is the chosen technology for the modern fabricator.

In today’s world, how do you compete when steel can be purchased and sold at close to the same price as your competitors? It’s simple – you must minimize the cost to fabricate! On average 80% of plate production is on up to 1” thick material. This means the FPB-1800 is the perfect solution for your plate processing. By punching holes instead of drilling, reduce costs to just pennies per hole. Combine this with half the floor space of a standard burn table and using only a single operator, you can quickly see how this method of processing plate provides maximum efficiency. The FPB-1800 is more than just a machine; it is a solution to cut costs, increase profits and succeed in today’s structural steel industry. This is precisely why we have shipped more than 300 of these machines since its inception.

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 FPB-1800. 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 PLATE IN AN ARRAY OF INDUSTRIES INCLUDING:
- Structural Steel Fabrication
- Solar and Wind Tower Fabrication
- Bridge Fabrication
- Heavy Industrial Fabrication
- Agricultural Manufacturing
- Machinery Manufacturing
- Steel Stockholders/Service Centers
- Ship Yards
- Tank and Vessel Manufacturing
- Railroad Manufacturing
- Mining Equipment Manufacturing

FPB - 1800

PLASMA CUT | PUNCH | Scribe | ROLLER MEASURE

Acceptable Plate Dimensions:
- Thickness: 1/4" - 1 1/4"
- Width: 6" - 72"
- Length: Min. 36" (Max length dependent on max weight of 20,000 lbs.)

Technical Specifications
- Punch Capacity: 177 Tons
- Maximum Punch Hole Size: 1 3/4"
- Machine Weight (1800): 33,000 lbs
WHAT’S THE DIFFERENCE?
PLATE PROCESSING SOLUTIONS THAT SAVE YOU MONEY!

IMAGINE ONE MACHINE THAT CAN...
- Reduce material handling costs with one pass processing — load, process, unload
- Perform a variety of functions while utilizing minimal floor space
- Process on average 3/4 to 1 ton of plate per hour with only 1 operator
- Minimize the potential for human error by eliminating manual measurement

WHAT’S THE DIFFERENCE? - OLD Way vs. NEW Way

<table>
<thead>
<tr>
<th>OLD WAY—BURNTABLE</th>
<th>NEW WAY—FPB—1800</th>
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</thead>
<tbody>
<tr>
<td>Production</td>
<td>1/4 Ton Per Hour</td>
</tr>
<tr>
<td>Labor</td>
<td>1 Operator, 1 Handler Minimum</td>
</tr>
<tr>
<td>Footprint</td>
<td>Large</td>
</tr>
<tr>
<td>Material Handling</td>
<td>Completely Manual</td>
</tr>
<tr>
<td>Scrap</td>
<td>15–30% of Material</td>
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<tr>
<td>Torch Consumable Life</td>
<td>Low - Starts Torch for Each Hole/ Cannot Perform Edge Start</td>
</tr>
<tr>
<td>Maintenance</td>
<td>High - Must Maintain Slats/ Remove Slag from Table</td>
</tr>
</tbody>
</table>
80% of shop plate production is 1” thick plate and under on average.

20% of shop plate production is 1” thick plate and up on average.

The cost to make a hole:
- The FPB-1800 is the most cost effective way to process holes in steel plate up to 1” thick.
- Punching only costs pennies per hole as opposed to drilling and burning options.
- Dramatically reduce consumable costs by punching plate.
- Tooling for punches and dies is much more affordable than other industry options.

Utilize 100% of your shops plate production.

FPB-1800
Process up to 1-1/4” thick plate.

HSDFB-C
Process up to 4” thick plate.
MULTIPLE SOLUTIONS FOR YOUR PLATE PROCESSING

SIGNOSCRIPT CARBIDE SCRIBING
- Versatile carbide marking station allows for marking of any shape, number or character
- Mark at multiple depths or sizes without tool change

PLASMA TORCH CUTTING
- Hypertherm 260XD plasma cutting system
- 260 amp high speed plasma torch
- Superior cut quality and consistency

PLENUM CHAMBER & DUMP TABLE
- Automatic dump table mechanism
- Copper lined plenum chamber is integrated for easy removal/containerment of machine byproduct
- CNC parts handling options available
TRIPLE TOOL PUNCH PRESS
- 177 ton punch press allows for maximum durability
- Punch holes up to 1-3/4” in diameter
- Soft c-frame design ensures punch maintains accurate positioning for seamless punch cycles
- Punch tool lubrication maximizes lifespan of tooling

SIEMENS PERFORMANCE ELECTRONICS
- Siemens 840D Control
- Utilizes modern nesting software
- Utilizes a Windows® PC interface

ROLLER FEED MEASUREMENT SYSTEM
- Peddinghaus-patented innovative measurement system
- No length restriction – stock length is only dictated by weight
- Continuous feed with no stop in production
SPEED AND VERSATILITY COMBINED

The FPB-1800 is the ideal machine for fabricators and manufacturers alike. Equipped with the ability to punch, plasma cut and scribe using the latest in tooling technology, the FPB-1800 combines speed and versatility. The use of high tensile punch dies and the plasma torch assembly 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 increased production for a maximum return on your investment.

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 which inhibits 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 a 10’ roller transfer module 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.
NESTING SOFTWARE
The FPB-1800 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 FPB-1800 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.
STEELFAB -
Charlotte, North Carolina - USA

“When we installed our FPB-1800 there was a very significant change in production, increasing the quality and quantity produced in plates in one day. The higher production that the plate line introduced to our shop lead to reduced man hours, which resulted in saving time and money on projects.

The FPB-1800 produces a great quality of cut which minimizes the time to clean up the parts. The torch speed and capabilities handle a wide variety of cuts.”

- Russell Bamgrover, Vice President and Plant Manager

OWNEN STEEL COMPANY -
Columbia, South Carolina - USA

“We run approximately 80% of our plate production on the FPB-1800. The impact that the plate line has made on our production has lead us to expanding into a whole new shop.

It has the speed necessary to keep our shop busy and is compact enough to fit in the limited space we have available. We utilize this machine to service every industry we produce steel for.”

- Brad Arneson, Production Manager

B&B WELDING COMPANY, INC.-
Baltimore, Maryland - USA

“The FPB-1800 plate processor is both durable and dependable. This machine has truly become a staple in our day-to-day operations at B&B Welding. Our FPB-1800 has been in operation for over 15 years now, and I am happy to say that its’ performance has remained consistent with very little downtime.”

- Sam Drumm, Plant Foreman and CWI
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!

- 50+ 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 the 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.