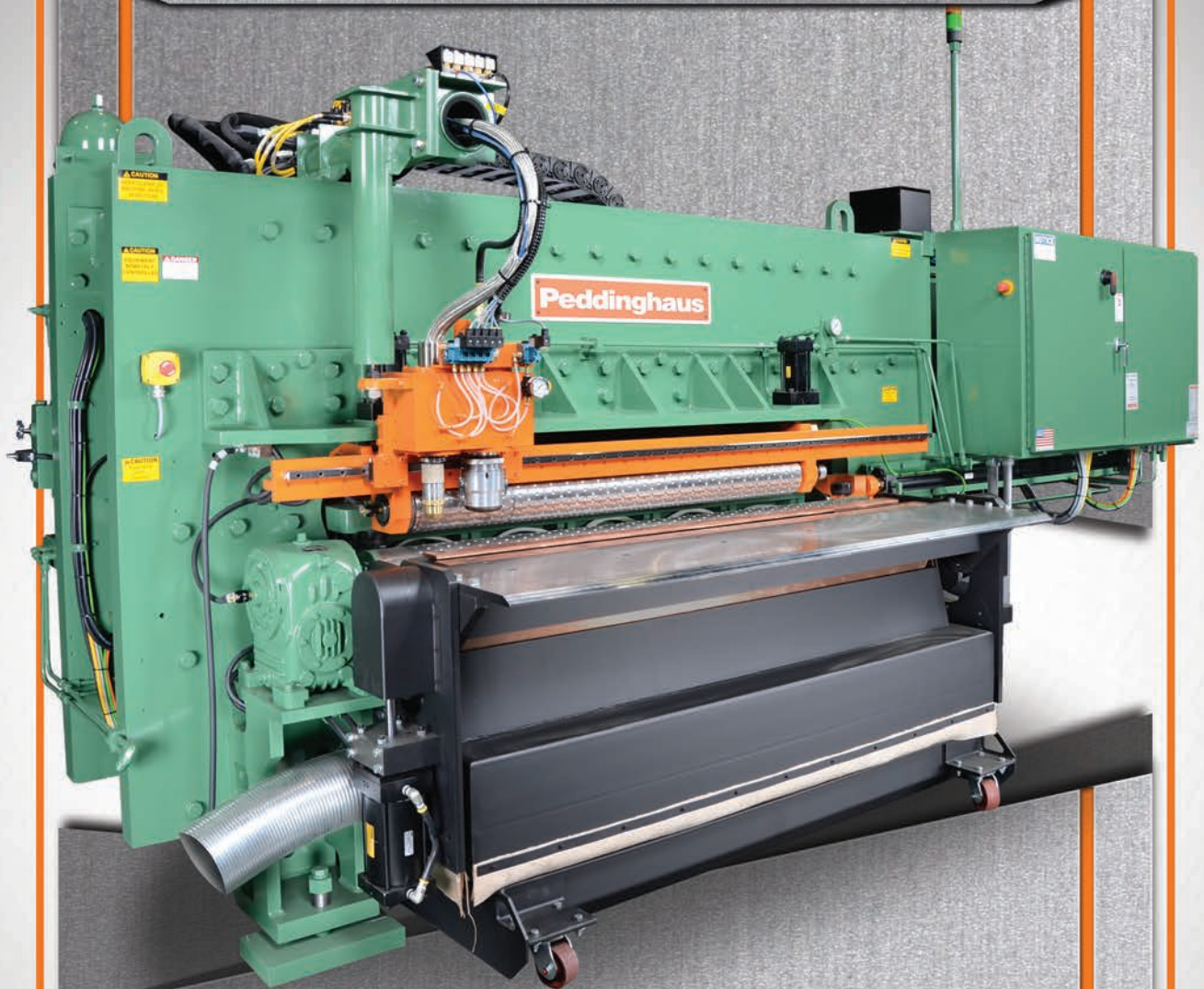


Peddinghaus

FPB-1800

HIGH SPEED PLATE PROCESSOR



Dear Industry Partner,



Anton Peddinghaus

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 Mexico City, Mumbai, or Melbourne; 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 – 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-1800 is the chosen technology for the modern fabricator.

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! On average, 80% of plate production is on up to 25 mm 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 a single operator and half the floor space of a standard burn table technology and witness true return on investment.

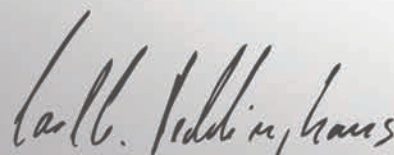
Welcome to Peddinghaus Service – Unmatched Global Support.

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.

Please visit www.peddinghaus.com for a “video test drive” and additional technical details on the FPB-1800. Or, plan a visit to the Peddinghaus manufacturing campus at our headquarters in Bradley, IL USA. See the depth of our organization, and our commitment to your success with world class customer support.



Carl G. (Anton) Peddinghaus | Chief Executive Officer | Peddinghaus Corporation

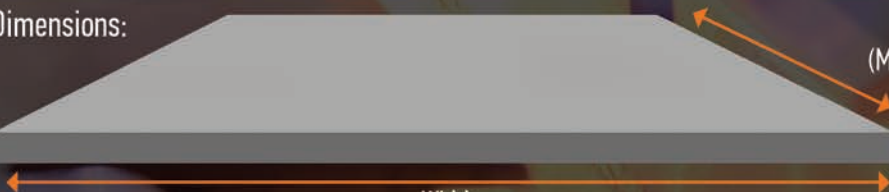
Ideal for Processing Structural Steel in an Array of Applications Including:

- Steel Construction
- Service Centers
- Agricultural Equipment
- Farm Implement Manufacturing
- Automotive Conveyor
- Assembly Line Fabrication
- Solar Panel Fabrication
- Trailer Manufacturing
- Conveyor Manufacturing
- Earth Moving Equipment Fabrication
- And Many More



Acceptable Plate Dimensions:

Thickness:
6 mm - 25 mm*



Min. 1,140 mm
(Max length dependent
on max weight of
5,670 kg.)

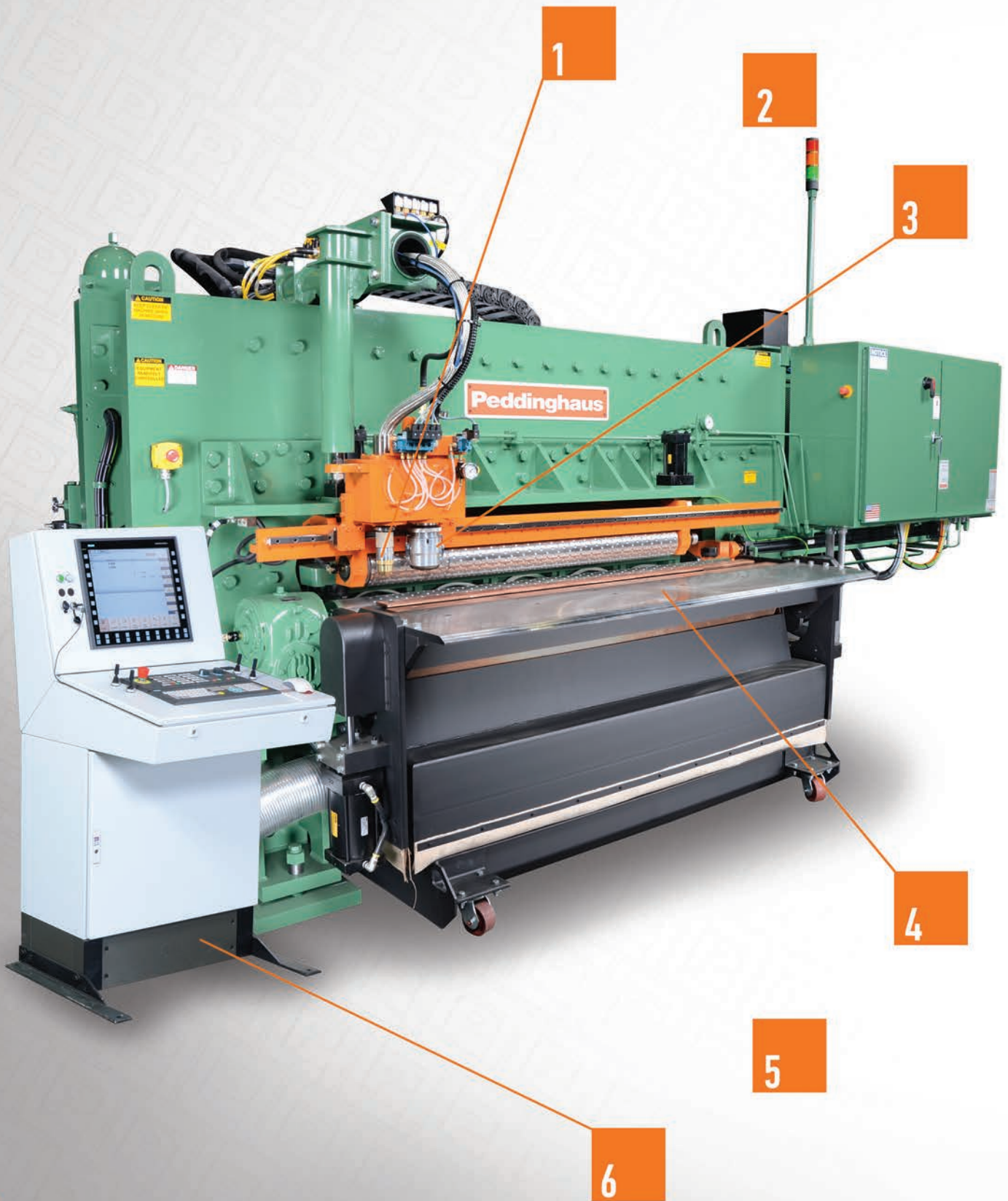
Width:
150 mm - 1,800 mm

Technical Specifications

Punch Capacity	160 Metric Tons
Maximum Punch Hole Size	44 mm
Machine Weight	15,450 kg

* Note: The FPB-1800 can accommodate material up to 32 mm thick under special circumstances. Please contact Peddinghaus Corporation for more information regarding such material. DO NOT attempt to run such material without first contacting Peddinghaus for guidance.

Multiple Solutions For Your Plate Processing





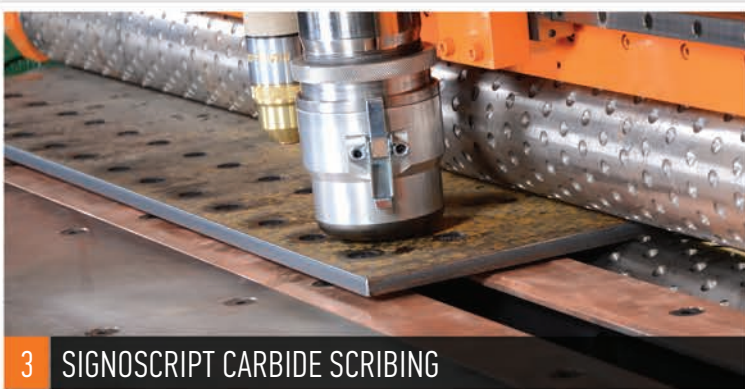
1 PLASMA TORCH CUTTING

- Hypertherm XPR-170 plasma cutting system
- 170 amp high speed plasma torch
- Superior cut quality and consistency



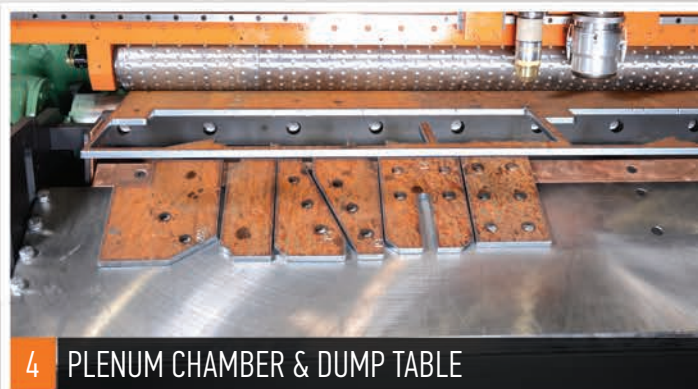
2 TRIPLE TOOL PUNCH PRESS

- 160 metric ton punch press allows for maximum durability
- Punch holes up to 44 mm in diameter
- Soft c-frame design ensures punch maintains accurate positioning for seamless punch cycles
- Punch tool lubrication maximizes lifespan of tooling



3 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 for desired visibility after coatings processes



4 PLENUM CHAMBER & DUMP TABLE

- Dump table mechanism
- Copper lined plenum chamber is integrated for easy removal/containment of machine byproduct
- Parts handling options available



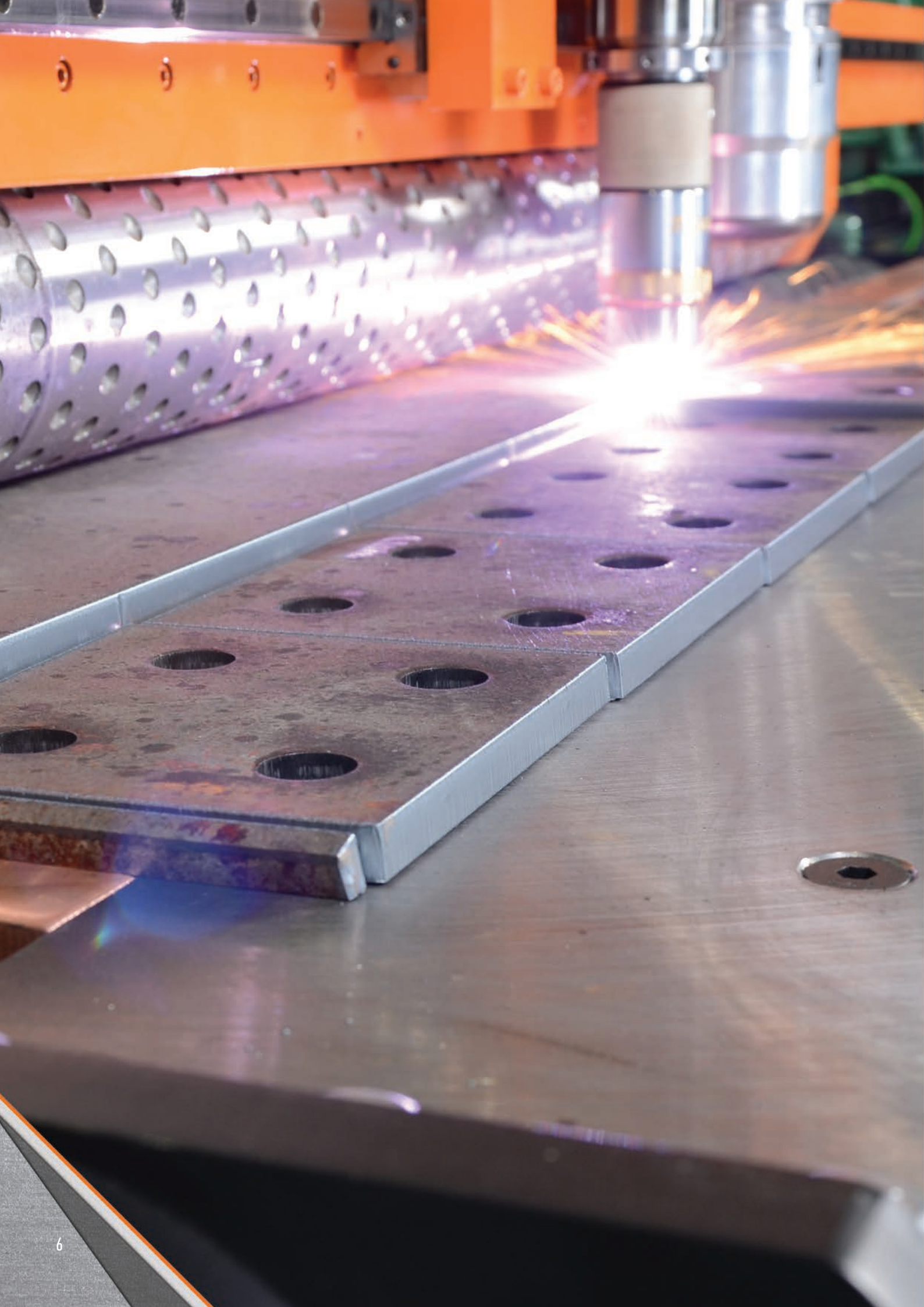
5 ROLLER FEED MEASUREMENT SYSTEM

- Innovative measurement system
- No length restriction - stock length is only dictated by weight
- Continuous feed with no stop in production



6 SIEMENS PERFORMANCE ELECTRONICS

- State-of-the-art Siemens electronics
- Robust and intuitive interface
- Modern remote assistance and webcam technology for real-time troubleshooting
- Siemens 10-year spare parts guarantee



Profitable Plate Production

Processing Efficiency

When it comes to plate production, the FPB-1800 provides maximum durability with innovative cutting techniques. Streamline processing with capabilities for punching, plasma cutting and optional carbide scribing all with the use of a single operator. Increased production combined with lower scrap ratios means better plate utilization, lower costs per ton and a faster return on investment.

The Cost to Make a Hole

The most effective way to process holes in steel plate up to 25 mm thick is by using the FPB-1800. The proven 160 metric ton triple tool punch press of the FPB-1800 allows for maximum durability and efficiency. Capable of punching holes up to 44 mm in diameter, and maintaining up to three available punch stations, the FPB-1800 minimizes the need for timely tool changes.

In addition to power and efficiency, accuracy is paramount for superior tool life. The punch press of the FPB-1800 maintains a unique “soft c-frame” design. This ensures that the punch, once aligned with the die, maintains crisp positioning for seamless and repeatable punch cycles, eliminating the risk of the punch colliding with the die and damaging tooling and dramatically reducing consumable costs. Punching only costs pennies per hole as opposed to drilling and burning operations, and has remained an economic method of hole creation in the steel industry.

Utilize 100% of Your Shop's Plate Production

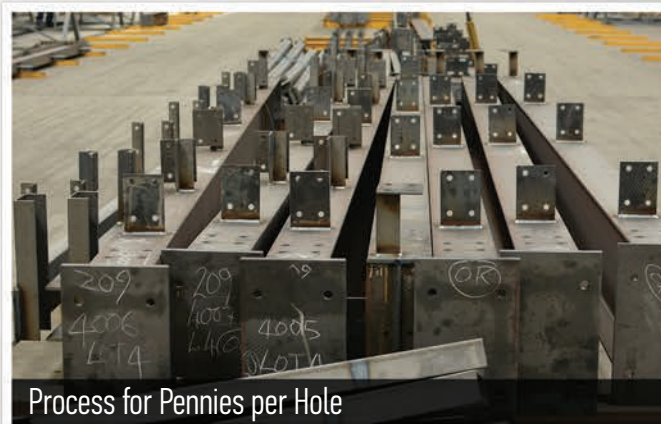
On average, 80% of shop plate production is 25 mm thick material and under, while 20% is 25 mm thick material and up. The FPB-1800 performs flawlessly for processing parts up to 25 mm thick, covering that initial 80%. This means the combination of an FPB-1800 supplemented by an HSFDB-C heavy plate processor from Peddinghaus is the perfect solution for your shop plate processing. The HSFDB-C is equipped with the ability to drill, mill, tap, countersink, deburr, plasma cut, oxy-fuel cut, bevel cut and mark up to 100 mm thick plate using the latest in tooling technology, equalling 100% of a shops plate production.

Benefitting Downstream Processes

This CNC plate processing design by Peddinghaus drives material to the operating area of the machine as opposed to bringing the operating area of the machine to material, like traditional burtable systems. The FPB-1800 provides constant material output for welders and fitters, allowing them to focus on assembling the end-product, topping out the fabrication process.



Economic Punching



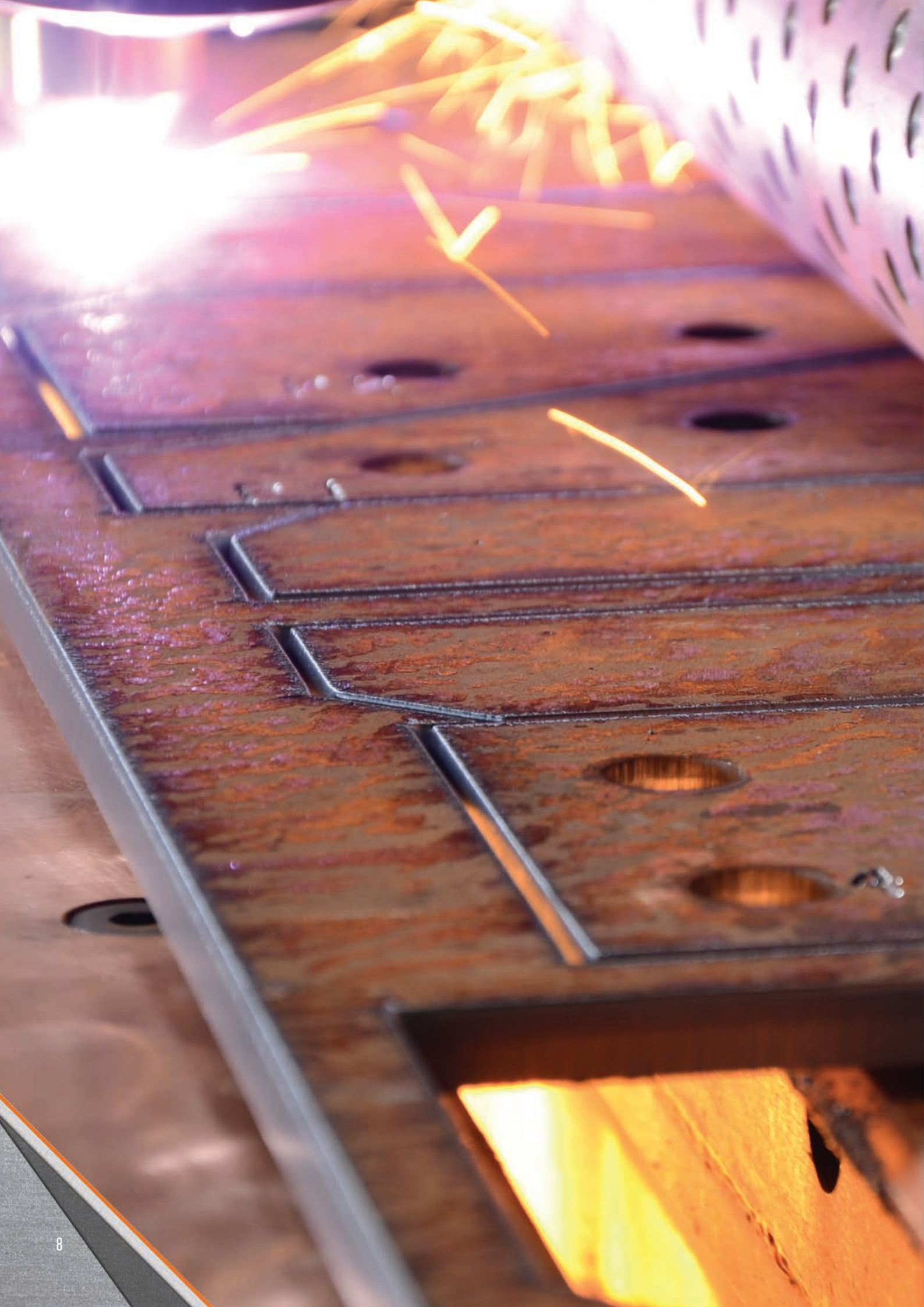
Process for Pennies per Hole



FPB-1800 and HSFDB-C



Maximize Employee Productivity



Modular Designs

The Peddinghaus Way

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 unmatched efficiency in all aspects of operation.

The Side Unloading System

The Side Unloader parts conveyor is designed to allow finished parts (up to 454 kg) to drop directly onto a hardened steel conveyor, delivering 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 1.8 M 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. This option also comes equipped with a retract system allowing for easy access to the operating area and scrap cart beneath the machine.

The Front End Unloading System

The Front End Unloader conveyor system is comprised of two roller transfer modules, each 1.8 M 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 a retract system allowing for easy access to the operating area and scrap cart beneath the machine.

Minimize Footprint

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 that inhibits other operations inside of the shop. Easily unload delivery trucks outside, and load the conveyor without slowing down other parts of production.



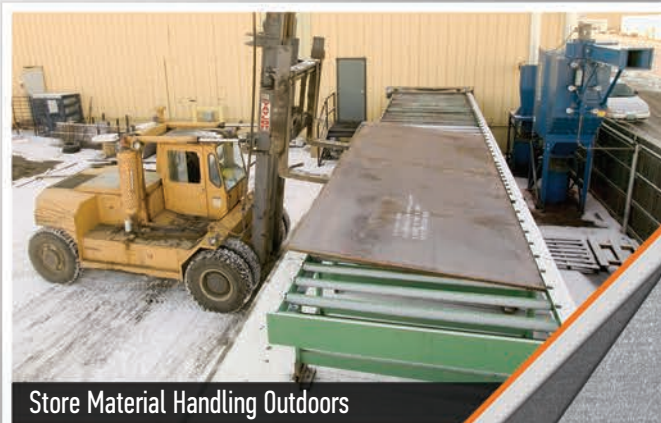
Unmatched Efficiency



Side Unloading System



Front End Unloading System



Store Material Handling Outdoors



Peddinghaus Software

Linking Design to Fabrication

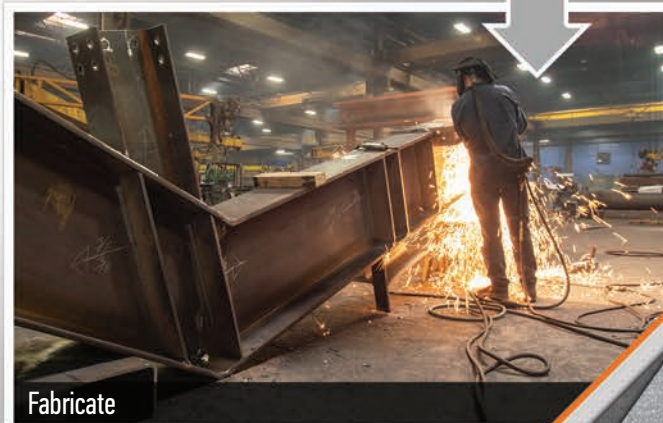
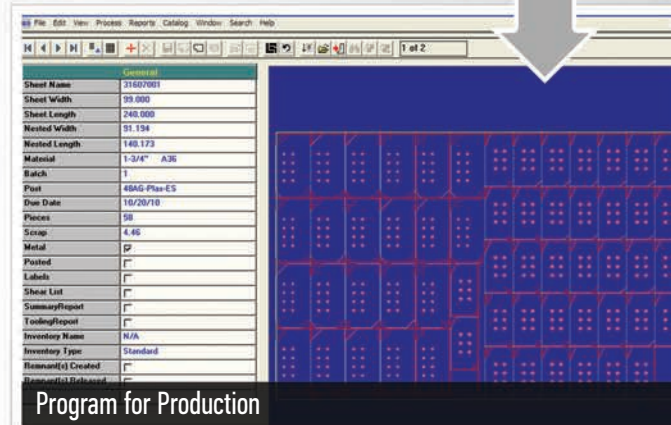
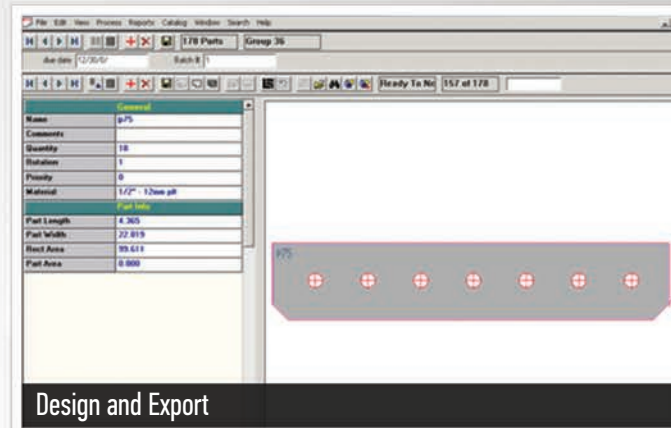
Nesting Software

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 Line Batch Nesting
- Edge Start Nesting Technology Maximizes Machine Capability
- Automatically Process an Entire Plate with no Full Kerf Pierces
- Automatic Pilot Hole Creation - Maximizes Consumable Life
- Advanced Part-Within-Part Nesting
- CAD Module for On the Fly Part Modifications
- Integrated Tool Management
- Automated Lead-In and Lead-Out Programming with On the Fly Modifications
- Integrated Material Database
- Production Tracking and Progress Reporting
- Nesting Report Tools which Include Time Estimates and More
- Automatic Import and Tooling of Multiple Common File Types Including DSTV, DXF, etc.
- Automatic Tailstock Nesting
- Optional Inventory Management Module with Automatic Remnant Creation





FPB-1800 User Testimonials

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 Barngrover, Vice President and Plant Manager

OWEN STEEL COMPANY -
Columbia, South Carolina - USA

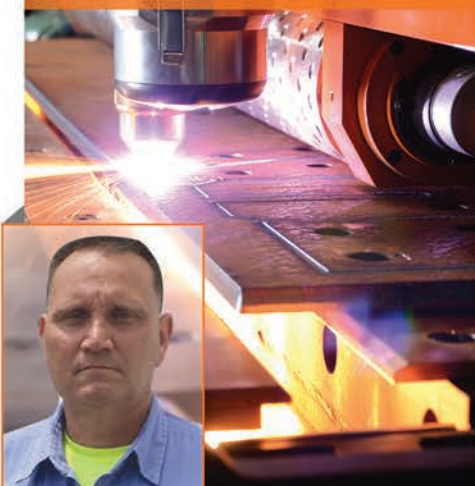


“We run approximately 80% of our plate production on the FPB-1800. The impact that the plate line has made on our production has lead us to expanding into a whole new shop.

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 Foremen and CWI

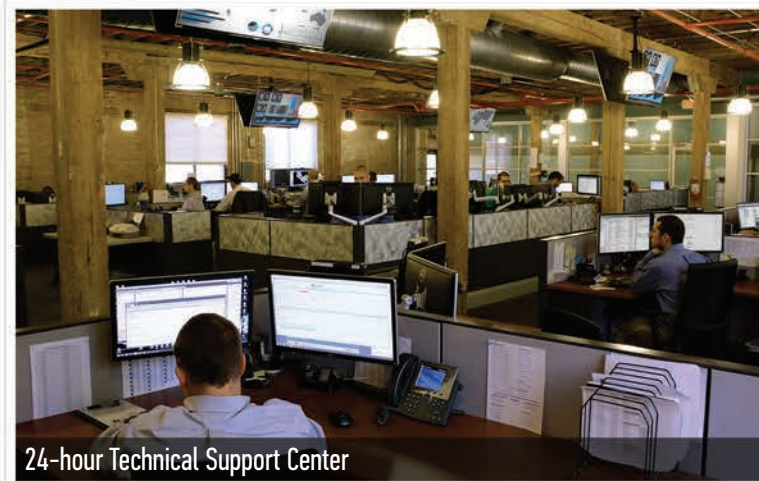


The Best Support in the Industry

Peddinghaus strives to provide an unparalleled level of service for industry partners, no matter where in the world they are located. This is done by offering the only 24-hour technical support center in the industry and employing an expansive team of field service technicians throughout the globe.

24-hour Technical Support Center

Located in Bradley, Illinois - USA, Peddinghaus maintains a 24-hour technical support center to assist customers with any questions or concerns that may arise in the operation of Peddinghaus machinery. Service technicians leverage remote diagnostic software as well as web cameras in order to troubleshoot questions. Over 95% of telephone calls are resolved without the need for an on-site visit from a Peddinghaus technician.



24-hour Technical Support Center

Global Access to Spare Parts

Peddinghaus maintains vast amounts of spare parts at their North American locations and are in close proximity to major ports and shipping hubs. For international partners, local spare parts storage is maintained at our sales and service offices around the globe. In addition, local dealer representatives and dedicated parts storage facilities have been established throughout the world to expedite part shipments. This means faster delivery of parts when they are needed.



50+ Field Service Technicians

Expansive Team of Field Service Technicians

For advanced issues, over 50 field service technicians are employed by Peddinghaus throughout the world. Technicians are conveniently located geographically and may be based out of an office near your installation. These technicians operate globally and are available for on-site assistance.



PeddiUniversity Training Center

World Class Training for Maintenance Staff, Operators and Programmers

Peddinghaus offers training on-site, over the internet and at their corporate headquarters for maintenance staff, operators and programmers. Training at Peddinghaus' global headquarters is free of charge for those willing to make the trip and provides staff with direct access to the masters behind the machinery.



Peddinghaus

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