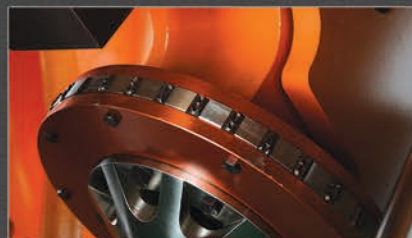
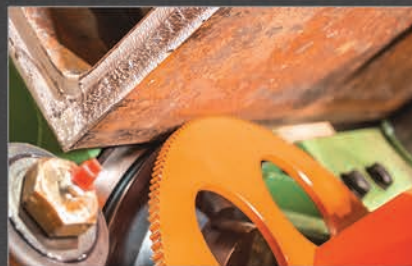
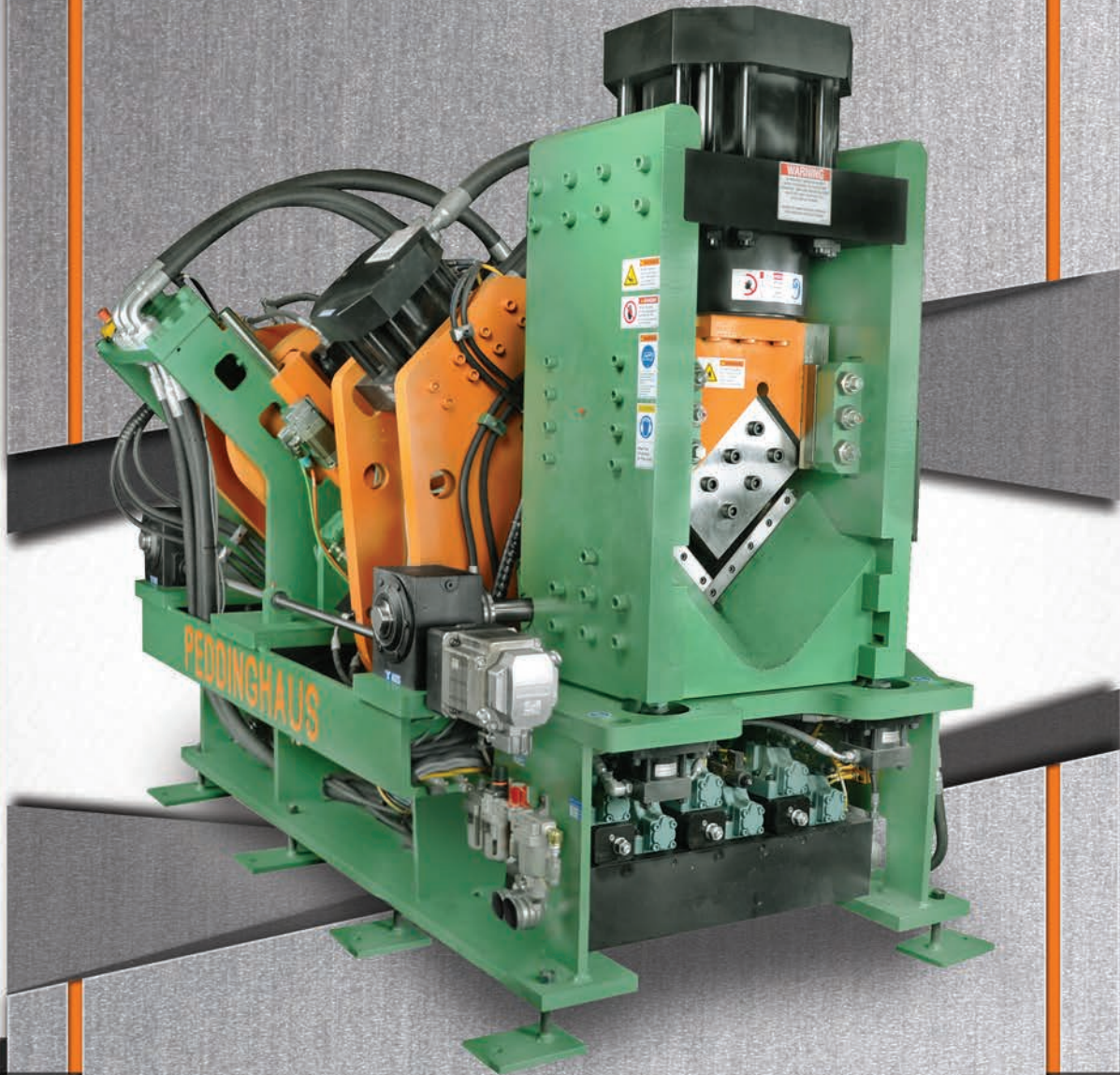


Peddinghaus

Anglemaster-HD

HEAVY DUTY ANGLE AND FLAT LINE



A Letter from the CEO



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 Anglemaster-HD – More than Just a Machine.

Detail components make up the smallest tonnage of any fabricators' workload, but consistently demand the highest amount of labor. Peddinghaus pioneered the concept of the Anglemaster in response to discussions with fabricators looking to reduce labor costs. The Anglemaster-HD sets the tone for structural technology, and is the most advanced angle line on the market today. This machine processes both the heaviest and lightest angle or flatbar sections 50% faster on average than previous models of angle lines. Take a moment to learn how Smart Cylinder technology from Peddinghaus is changing the way the world views angle lines.

I have to admit, it's amazing how advanced the simple act of punching and shearing has become since Peddinghaus introduced the first Anglemaster over 30 years ago. One thing that hasn't changed in those 30+ years, is the build quality of the machine itself. One look at this machine, and you know it's a Peddinghaus. This new generation of Peddinghaus machinery combines cutting edge technology, with the time tested standards of craftsmanship Peddinghaus customers have come to expect.

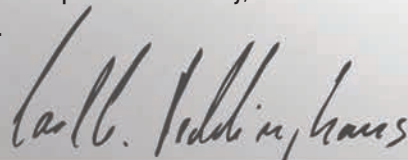
Welcome to Peddinghaus Service – Unmatched Global Support.

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 Anglemaster-HD. 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.

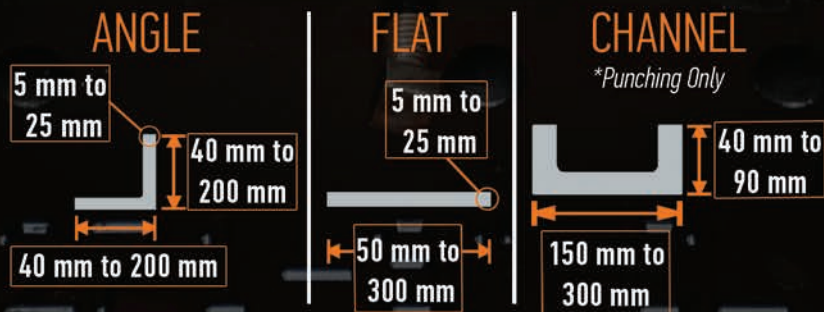
Please visit www.peddinghaus.com for a “video test drive” and additional technical details on the Anglemaster-HD. Or, plan a visit to the Peddinghaus manufacturing campus at our headquarters in Bradley, IL USA. See the depth of our organization, and our commitment to your success with world class customer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

A handwritten signature in black ink that reads "Carl G. Peddinghaus". The signature is written in a cursive style.

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

Ideal for the Production of:

- Transmission Tower Manufacturers
- Agricultural Equipment Manufacturers
- Conveyor Manufacturers
- Structural Steel Fabricators
- Heavy Equipment Manufacturers
- Steel Service Centers
- Stadium Seating Manufacturers
- Barge and Ship Building Manufacturers
- Overhead Door Frame Manufacturers
- Aggregate Handling Manufacturers
- Lattice Tower Manufacturers
- Steel Stocking Centers
- And Many More...



Technical Specifications

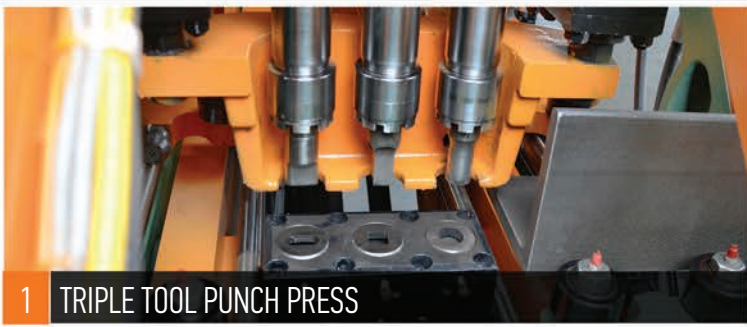
Maximum Angle Size	200 mm × 200 mm × 25 mm
Minimum Angle Size	40 mm × 40 mm × 5 mm
Maximum Flat Bar Size	300 mm × 25 mm
Minimum (Narrow) Flat Bar Size	50 mm × 6 mm
Minimum (Thin) Flat Bar Size	75 mm × 5 mm*
Maximum Shear Tonnage (3 Speed)	467 Ton
Maximum Punch Tonnage (Multi-Speed)	153 Ton
Maximum Punch Diameter	31.75 mm**

*Note: Material at 5 mm thickness requires a wider flat stock than minimum operations.

**Note: Maximum punch diameter of 38mm requires the use of optional 282 Coupling Nuts.

Heavy Duty Angle Processing





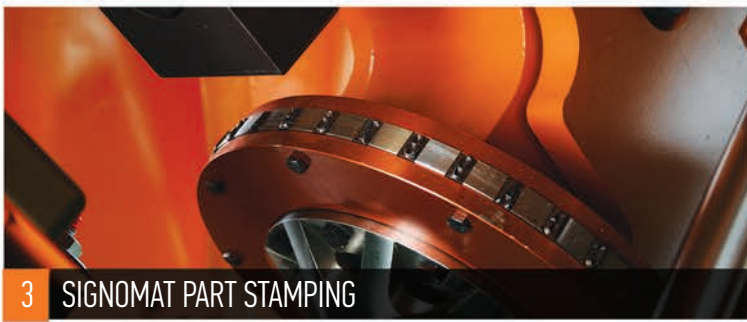
1 TRIPLE TOOL PUNCH PRESS

- 169 ton multi-speed punch cylinder
- Smart Cylinder technology
- Punch up to 3 different tool shapes or sizes per leg of angle in a single pass through the machine



2 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



3 SIGNOMAT PART STAMPING

- 36-station (number / letter) part marking press
- Marks at a rate of 1 character per second
- Capable of being stationed for marking on near or far leg of angle



4 SIEMENS TOUCH SCREEN CONTROL & PC WORKSTATION

- 450 mm touch screen control panel
- Powerful enough for today's 3D CAD/CAM packages
- Allows for streamlined access to e-mail, modeling systems, server and other critical programs



5 MINIMUM QUANTITY LUBRICATION SYSTEM

- Optional lubrication system for punches and shear
- Eco-friendly vegetable oil based lubrication dramatically extends shear and punch life



6 SINGLE CUT SHEAR

- 515 ton three speed shear cylinder
- Smart Cylinder technology
- Single cut shear tooling eliminates the creation of shear slugs commonly experienced with double cut shear tooling



7 PEDDINGHAUS ROLLER FEED MEASUREMENT

- The industry standard for roller measurement
- Superior accuracy and flexibility on profiles
- Unparalleled efficiency - load material while machine is in production

⚠ DANGER
Equipment starts automatically.
Lockout/tagout before servicing.

⚠ WARNING
Crush hazard.
Can cause serious injury or death.
Stay clear of moving mechanisms.

Pockdinghaus
V010600.01.00-11
MADE IN U.S.A.

Continuous Production Achieved

From Base Plates to Clip Angles, Anglemaster-HD Does It All

The Anglemaster-HD is designed to not only be fast, but versatile. Capable of punching and shearing flat bar up to 300 mm × 25 mm, and angle up to 200 mm × 200 mm × 25 mm, typical structural detail sections are processed with ease. The Anglemaster-HD is also capable of punching channel sections up to 300 mm wide adding further versatility to the capabilities of the machine.

Comprehensive Material Dimensioning For Faster Production

The Anglemaster-HD utilizes comprehensive material dimensioning to not only increase production, but also create a user friendly atmosphere. By utilizing an array of dimensioning feedback, the Anglemaster-HD can identify the length of stock, thickness of material, and leg lengths (or flat bar width). Once the machine understands all dimensions of material, it optimizes punch and shear motion to increase production efficiency. If stock loaded does not match that of the selected program, the machine will notify the operator and provide the option to continue the program, or locate the appropriate stock type.

Smart Cylinder Technology

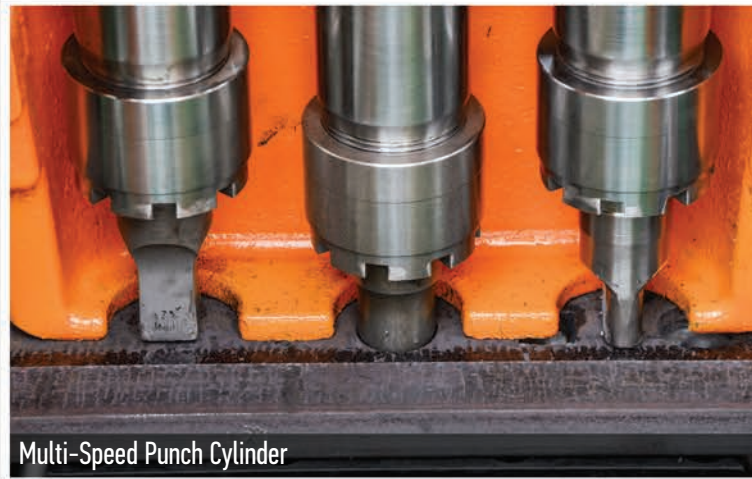
Using the information gathered by the material dimensioning system, the Anglemaster-HD understands the thickness of material loaded, and employs this information to automatically adjust the multi-speed punch and shear cylinders. By adjusting the amount of power needed per section size, the machine can take full advantage of lower tonnage, high speed operations when thinner material is being processed. When thicker material is loaded, the machine will maximize tonnages in order to process these sections accordingly.

The Industry Standard For Roller Measurement

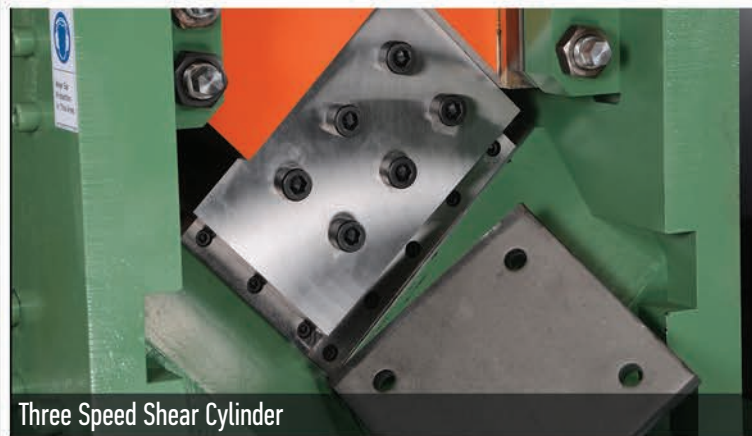
Continuous production is the benefit that Roller Measurement offers fabricators. Process one piece after another with no need to reload a carriage or other feed mechanism. Accuracy is made paramount with the use of two precision roller disks at the entry, and exit of the machine.

Material Handling

Loading and unloading of long angle and flat bar sections is costly and difficult work. The Anglemaster-HD's material handling system alleviates cost and labor associated with moving sections with the use of a rapid, automated sequence process. Reduced labor and increased shop efficiency results in more profitable processing of angle/detail parts.



Multi-Speed Punch Cylinder



Three Speed Shear Cylinder



Advanced Roller Measurement



Unload Finished Angle with Ease

Peddinghaus Software

Raptor from Peddinghaus is today's premier structural machine tool 3D CAD/CAM platform. Equipped with versatile modules to import, modify, inspect, create and export part programs, Raptor is fully customizable to fit the unique needs of the individual fabricator.

3D Module — Modify, Inspect, Create

The core of Raptor is the 3D Module. If part data has been imported into Raptor, the 3D Module works as an inspection tool and is capable of modifying imported part information. If part files need to be created, the intuitive design and user-friendly interface of the 3D Module allows for powerful programming options.

Tekla API Import Module

The Tekla API Module allows for the direct importation of Tekla part files into Raptor software, eliminating the need to convert to an intermediary file type.

By referencing part data with the Tekla BIM model, Raptor's Tekla API Module is capable of generating scribe marks and weld locations based on the model's original geometry. Using Raptor's Tekla API, Peddinghaus bridges the gap between design and fabrication. This is ideal for machines utilizing 4-axis layout marking.

DSTV Import Module

Raptor integrates with popular Building Information Modeling (BIM) software programs capable of generating the common file standard — DSTV. DSTV files are imported into Raptor software for editing or for CNC file creation. Commonly used BIM programs include SDS/2 by Design Data, Tekla Structures, Graitec and more.



Peddinghaus Software

Linking Design to Fabrication

DSTV Export Module

Raptor is capable of exporting part information into a DSTV file format (including holes, stamps, and scribes). All enhancements or corrections applied within Raptor are included within the exported DSTV file using this module. The DSTV export module brings the power of Raptor to third party CNC machinery that can import files of this type.

iDSTV+ and DSTV+ Import/Export Module

Select MRP systems are capable of exporting batch nested files in a format known as DSTV+ and iDSTV+. These file types play an important role in the automated development of cut sheets for production. Raptor is capable of importing and exporting these DSTV+ and iDSTV+ files for production on equipment. This eliminates the need to manually batch nest files, which have already been batch nested within third party MRP platform.

Peddimat Import and Export Module

The Peddimat Import and Export Module provides users with the ability to create new Peddimat files or utilize existing Peddimat files within Raptor. This option allows users complete flexibility in regards to legacy software compatibility.

PeddiTrack Parts Tracking Module

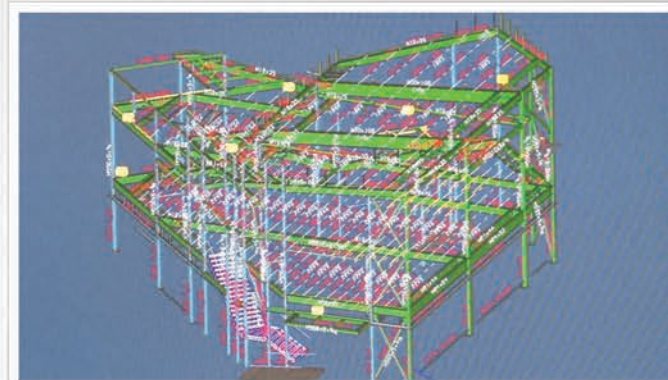
The PeddiTrack parts tracking utility is a module for monitoring the production of parts on Peddinghaus machines using Siemens controls. PeddiTrack works in the background of the CNC control creating output files that display vital information regarding part production.

Benefits of PeddiTrack Include:

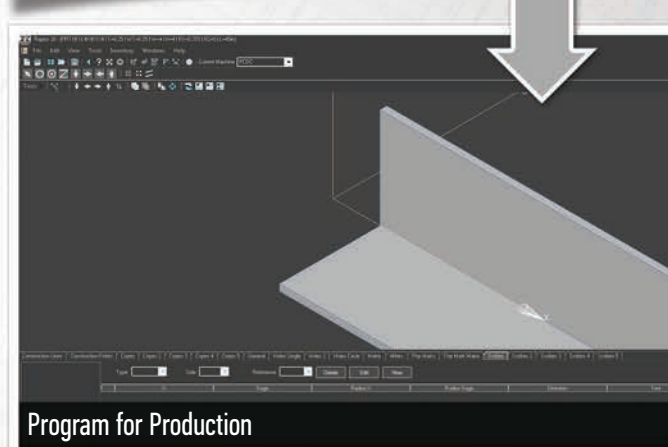
- Documentation of production
- Potential to view progress remotely
- Ability to monitor employee productivity
- Elimination of human error in the production monitoring process

Raptor Software Modules

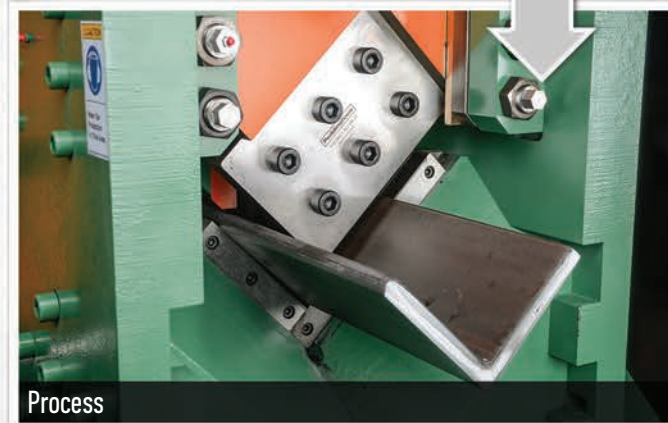
IMPORT	Tekla API / DSTV / DSTV+ / iDSTV / iDSTV+ / Peddimat
MODIFY / INSPECT / CREATE	3D Module
EXPORT	Post Processor / DSTV / DSTV+ / iDSTV+ / Peddimat



Design and Export



Program for Production



Process



Fabricate

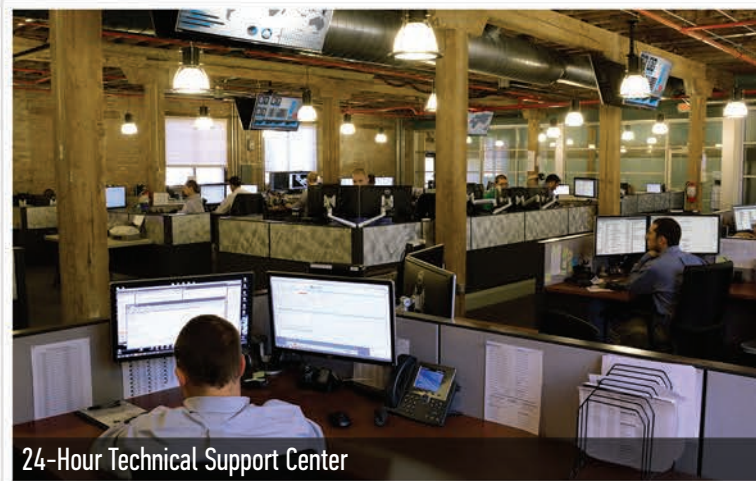


The Best Support in the Industry

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

www.peddinghaus.com

Peddinghaus USA • (815) 937-3800 | Peddinghaus UK • +44 1952 200 377 | Peddinghaus Germany • +49 (0) 2332 72-0
Peddinghaus Latin America • +52 81-1001-7087 | Peddinghaus Española • +34 945 465370

PED33021