

THE **ANGLEMASTER-HD** ANGLE/FLAT LINE



**ANGLEMASTER HD**

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 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 within this realm. The Anglemaster-HD continues to set the tone for structural technology, and is unquestionably the most advanced angle line on the market today. This machine processes both the heaviest and lightest angle or flat bar sections 50% faster than previous models of angle lines. How does it do this? New technology! This machine is intelligent! It knows all dimensions of the material loaded and adjusts punching and shearing operations accordingly to increase production. 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.

*Carl G. Peddinghaus*

**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

# ANGLE MASTER HD



CHANNEL



ANGLE



FLAT

Technical Specification	Metric	Inch
Maximum Angle Size	200mm × 200 mm × 25mm	8" × 8" × 1"
Minimum Angle Dimensions	40mm × 40mm × 4mm	1-1/2" × 1-1/2" × 1/4"
Maximum Flat Bar Size	300mm × 25mm	12" × 1"
Minimum (Narrowest) Flat Bar Size	50mm × 6mm	2" × 3/16"
Minimum (Thinnest) Flat Bar Size	75 × 5mm	3" × 1/4"
Maximum Shear Tonnage (3 Speed)	467 Tons	515 Tons
Maximum Punch Tonnage (3 Speed)	153 Tons	169 Tons
Maximum Punch Diameter	38mm	1-1/2"

# A SMARTER, FASTER, STRONGER SOLUTION

## SINGOMAT 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

## SIGNOSCRIP CARBIDE SCRIBING

- Versatile carbide marking station allows for marking of any shape, number, or character
- Mark at multiple depths or sizes with no tool change

## TRIPLE TOOL PUNCH PRESS

- 153 Metric ton (169 Inch ton) Three 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



## MINIMUM QUANTITY LUBRICATION SYSTEM

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



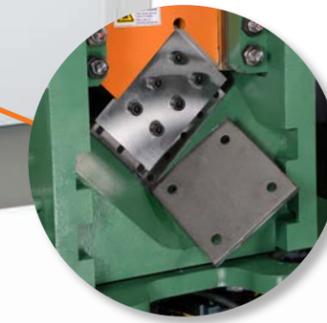
## SIEMENS TOUCH SCREEN CONTROL

- 480mm (19") Touch Screen Control panel
- Powerful enough for today's 3D CAD/CAM packages

## PC WORKSTATION

- Allows for streamlined access to e-mail, modeling systems, server, and other critical programs

*\*Personal Computer Not Included*



## SINGLE CUT SHEAR

- 467 Metric ton (515 Inch 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



## ROLLER MEASUREMENT

- Peddinghaus Roller Measurement
- Continuous feed with no stop in production
- Capable of 60 MPM (200 FPM) X-axis material positioning speeds

**FROM BASE PLATES TO CLIP ANGLES THE 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 300mm x 25mm (12" x 1"), and angle up to 200mm x 200mm x 25mm (8" x 8" x 1") typical structural detail sections are processed with ease. The Anglemaster-HD is also capable of punching (not shearing) channel sections up to 300mm (12") 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 to program, or locate the appropriate stock type.

**A SMARTER ANGLEMASTER - SMART CYLINDER TECHNOLOGY**

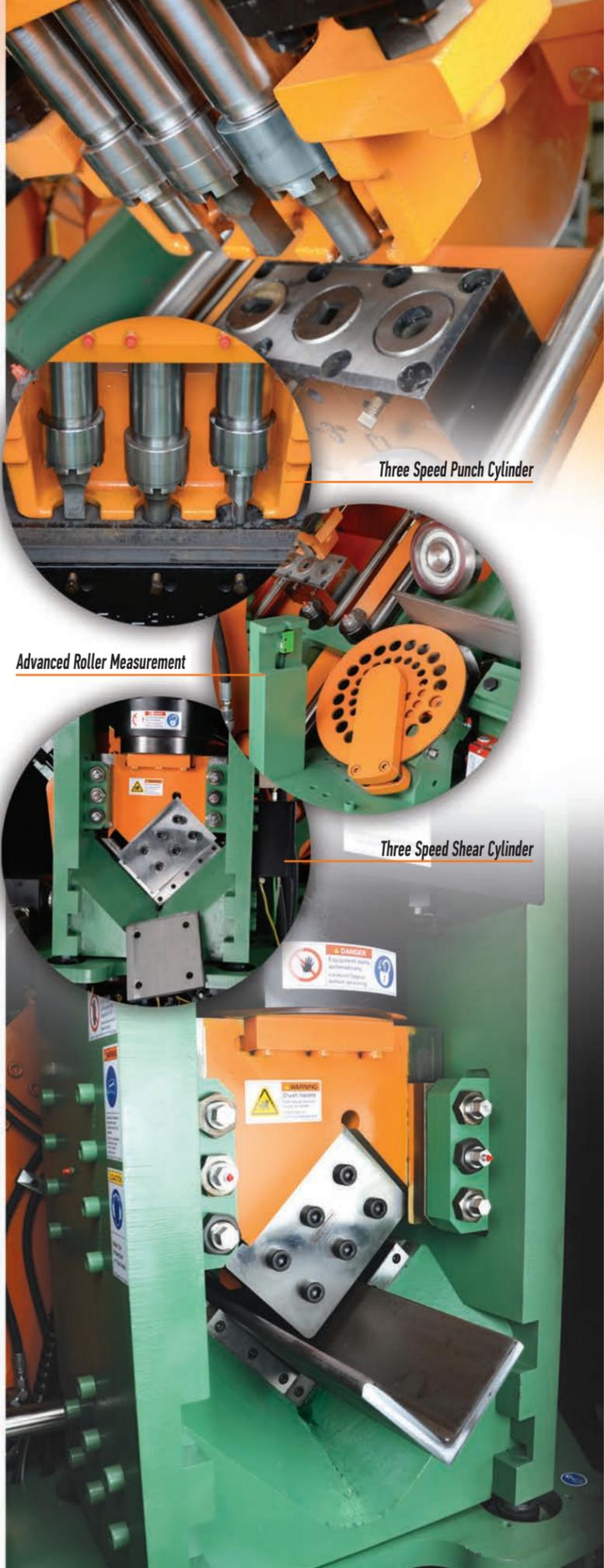
Using the information gathered by the material dimensioning system, the Anglemaster-HD understands the thickness of material loaded, and employs this information to automatically adjust the three speed punch and shear cylinders. By adjusting the amount of power needed per section size, the machine can 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.

**CONFIGURABLE SIGNOMAT OR SIGNOSCRIPT MARKING OPTIONS**

Part stamping and carbide scribing are both available marking options on the Anglemaster-HD. Using a fully configurable table design, marking systems can be placed in a variety of arrangements to suit the unique needs of each fabricator.



**PEDDINGHAUS SOFTWARE: A COMMON, INTUITIVE PLATFORM**

Peddinghaus Software maintains a common, intuitive platform to program a diverse range of CNC devices. Drill lines, angle lines, automatic copers, and more utilize an alike interface. Peddinghaus users can easily cross-train operators on several machines within their shop for total work flow flexibility as a result.

**COMPLIANCE WITH THE DSTV STANDARD**

Peddinghaus software seamlessly integrates with popular Building Information Modeling (BIM) platforms capable of generating DSTV files. Commonly used BIM platforms include SDS/2 from Design Data, Tekla Structures, StruCad, SteelOffice, Graitec and more.

**THE RAPTOR TEKLA API**

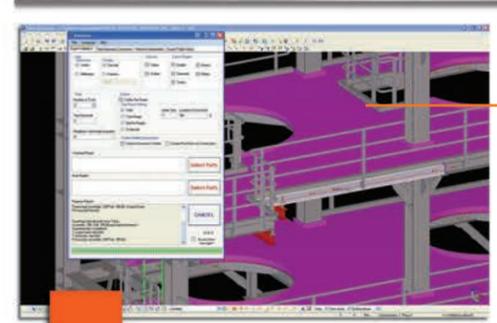
The Raptor Tekla API allows for the direct importation of Tekla part files into Peddinghaus Software, eliminating the need to convert into an intermediary file type.

By referencing part data within a Tekla BIM model, Raptor's Tekla API is capable of automatically generating scribe marks, and part numbering information directly from the original BIM model. Using Raptor's Tekla API Peddinghaus bridges the gap between design intent and final fabrication.

**PEDDITRACK PRODUCTION TRACKING SOFTWARE**

Peddinghaus offers every tool available to help you manage production, whether you are located at your plant, or across the world. PeddiTrack allows you to manage how many parts have been run, what programs were processed, and how long it took to process each part automatically.

Using modern internet tools PeddiTrack can create an online representation of your production. This allows you access critical manufacturing data from anywhere an internet connection is available.



Design and Export



Program For Production



Process and Fabricate



LINK DESIGN	RAPTOR TEKLA API
PROCESS SEAMLESSLY	PEDDINGHAUS SOFTWARE
MANAGE PRODUCTION	PEDDITRACK



# 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 now 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

### WEB CAM TROUBLESHOOTING

Each of Peddinghaus' machines are shipped with a simple to use web cam 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 in 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.

**NEW  
24  
HOURS  
HELP  
DESK**



**Peddinghaus Corporation USA**  
300 N. Washington Ave.  
Bradley, Illinois 60915 • USA  
Tel: 815-937-3800  
Fax: 815-937-4003  
[www.peddinghaus.com](http://www.peddinghaus.com)

**Ferd. Peddinghaus GmbH**  
Hasslinghauser Straße 156  
58285 Gevelsberg  
Germany  
Tel: 0-2332 72-0  
Fax: 0-2332 72208  
[www.peddinghaus-pfp.de](http://www.peddinghaus-pfp.de)

**Peddinghaus Espanola, S.A.**  
Pol. Ind. Gojain  
01170 legutiano, Alava, Espana  
Tel: 0-34-945-46-53-70  
Fax: 0-34-945-46-55-26

**Peddinghaus**  
THE GLOBAL LEADER IN FABRICATION  
QUALITY • INNOVATION • SUPPORT

**Peddinghaus Corporation UK**  
Unit 6 - Queensway  
Lind Industrial Estate  
Stafford Park 17  
Telford, Shropshire TF3 3DN UK  
Tel: 01952.200377  
Fax: 01952-292877

**Peddinghaus Latin America**  
Edificio HQ Torre Alestra  
Ave. Lázaro Cárdenas 2321 Pte.  
Col. Residencial San Agustín  
San Pedro, Garza Garcia C.P. 66260  
Tel: 52-8110-017088  
Fax: 52-8183-635173

**SEE THE ANGLEMASTER-HD  
ONLINE HERE!!!**



 [peddinghaus.com/facebook](http://peddinghaus.com/facebook)

 [peddinghaus.com/twitter](http://peddinghaus.com/twitter)

 [peddinghaus.com/youtube](http://peddinghaus.com/youtube)

Download a QR Code Scanner App for your smartphone and experience Peddinghaus in the palm of your hand!!!