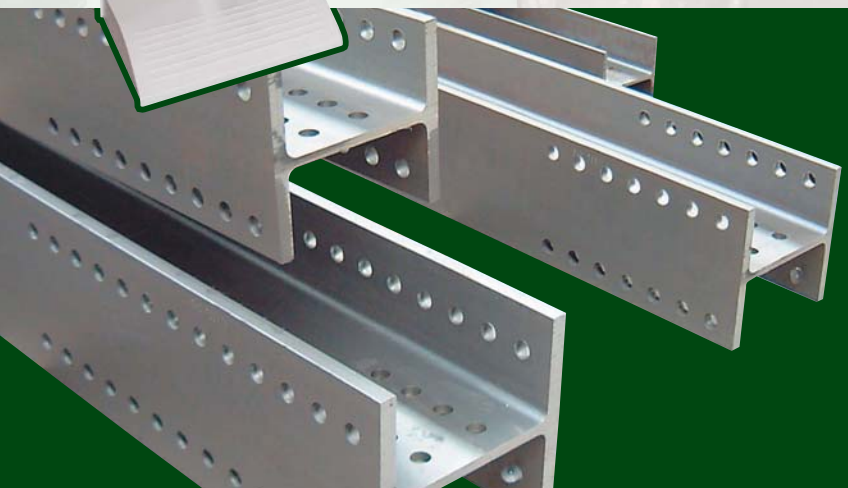
Peddinghaus Corporation

Innovative Steel Fabricating Technologies

Advantage Drill Line



MULTI-SPINDLE CNC DRILL

Proven design with cutting edge technology provides a 21st century solution for structural steel fabricators.

Advantage...
Consider the Opportunities

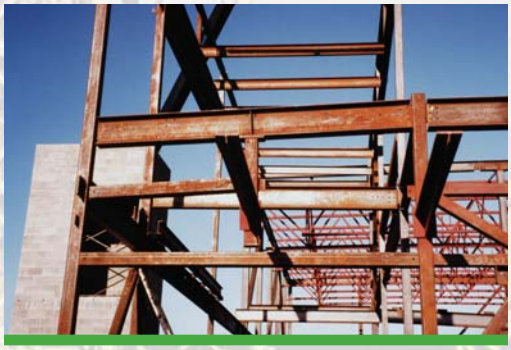
The Peddinghaus Advantage model PCD 1100 drill line opens the doors of opportunity wherever structural steel is fabricated. As you explore the potential, consider that an investment in Peddinghaus simplifies the fabrication process, enabling your firm to become more competitive and profitable in many industries...

- Steel Construction Industry
- Structural and Miscellaneous Fabricators
- Power and Utility Fabricators
- Material Handling and Conveyor Manufacturers
- Mining Industry
- Residential House Beam Fabricators
- Transportation, including Rail, Truck and Trailer Builders
- Bleacher and Seating Manufacturers
- Bridge Builders
- Petrochemical Work

And many, many more...

TACKLE LARGER PROJECTS WITH CONFIDENCE...

THE PEDDINGHAUS WAY



Peddinghaus...

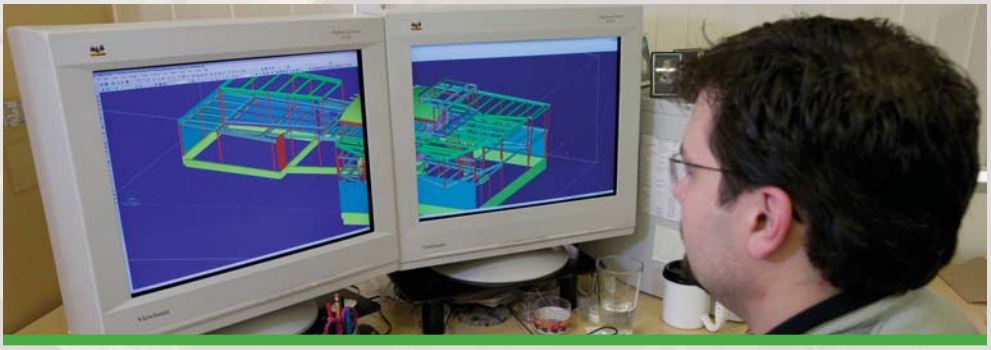
Multi-Spindle Drill Line

Peddinghaus is the acknowledged leader in expertise for structural steel fabrication, with over 1,500 drill line installations. Using field proven technology, Peddinghaus has engineered features that benefit you directly in today's competitive marketplace.

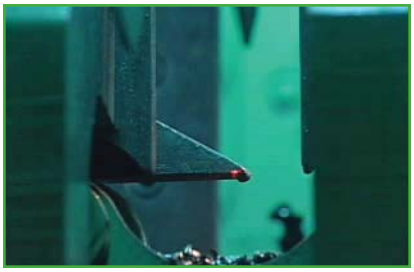
- ***The Original Peddinghaus Roller Feed Drive and Measuring System:*** Provides pinpoint accuracy with total material handling flexibility
- ***Outdoor Loading:*** Minimizes inventory cost, and increases throughput and floor to floor time
- ***Full 44" (1100 mm) Wide Capacity:*** Big or small – capacity for any structural project
- ***Space Saving Design:*** Increased tonnage in a small machine footprint – 92 square feet – saves your shop floor space for profitable fabrications
- ***Smart Spindle Technology:*** Fully programmable spindle operation that eliminates operator guesswork
- ***Seamless CNC Integration:*** Fully compatible with all major software detailing packages and modeling programs
- ***Siemens Electronics:*** Global serviceability and acceptance wrapped in a simple operator-friendly control
- ***Service with a Smile:*** Peddinghaus service – on-site installation and training is supported by a staff of service technicians unequalled in the industry

ALWAYS PROVIDING YOUR COMPETITIVE EDGE...

THE PEDDINGHAUS WAY



Peddinghaus smart spindle technology



Laser referencing, even for the most pronounced miter sections, insures pinpoint accuracy.

DRILLING

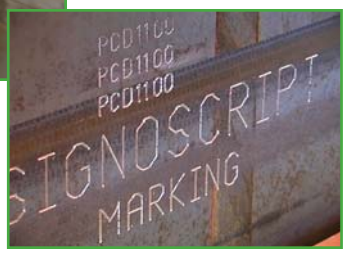
Peddinghaus' Smart Spindle Technology was developed to eliminate any guesswork in the drilling of structural steel sections. Such drilling essentials as RPM, feed rate, break-through, return, etc., are identified for fully automated spindle operation. However, the machine operator can make small adjustments to maximize the drilling speed and tool life.

PERFORMANCE

The perfect synchronization of hydraulic and mechanical design in the PCD 1100 delivers exceptional machine performance.

Incorporating today's modern technologies, the Advantage design is simple to operate and maximize your up-time.

The integrated Signoscript carbide marking system provides legible part identification.



SIGNOSCRIPT

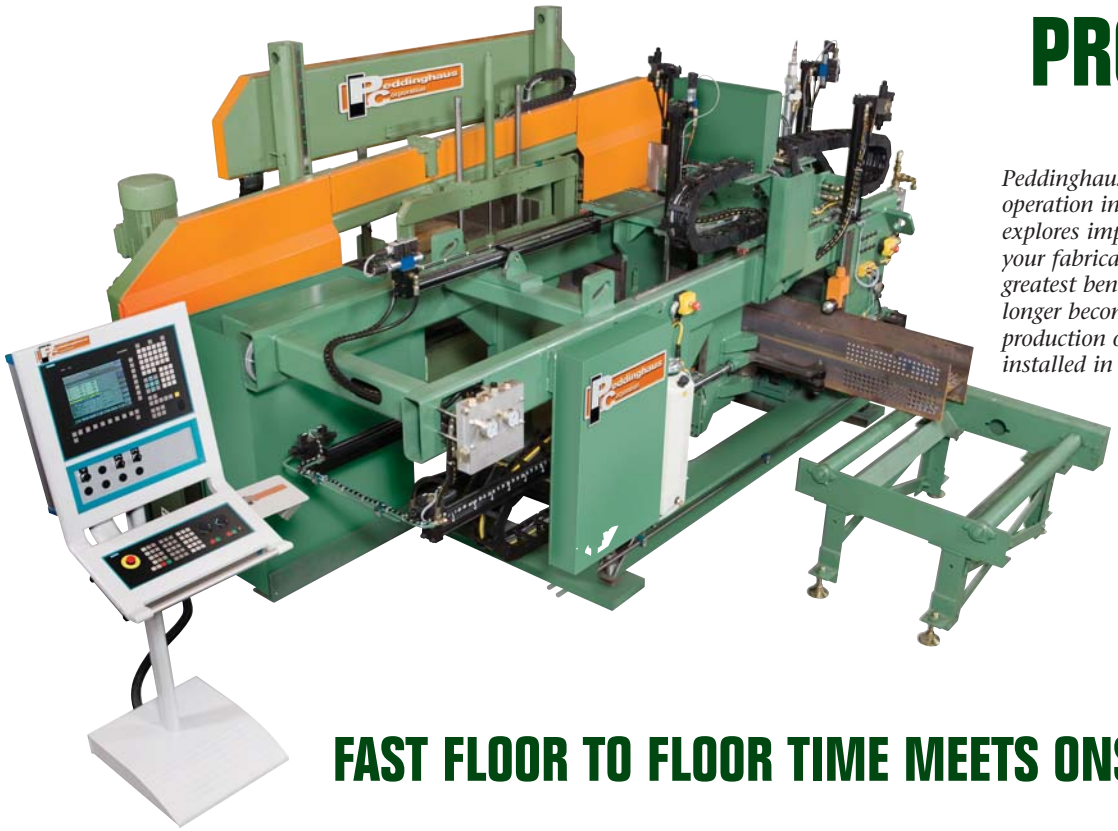
The integrated Signoscript carbide marking system provides legible part identification. Automated marking eliminates handwritten headaches.

CARBIDE MARKING

The true key to your productivity

SPEED SAWING

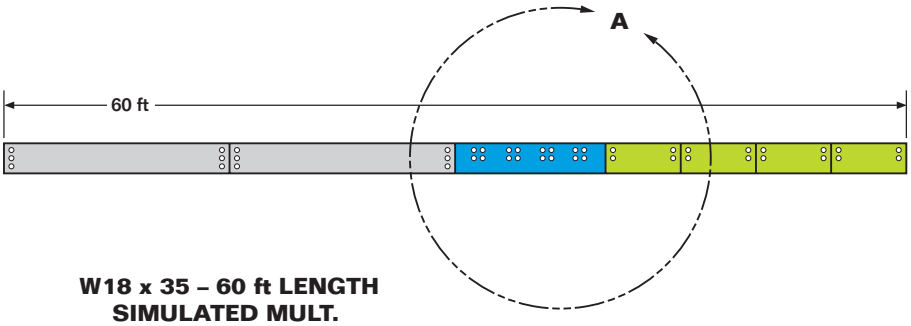
Employing the unique concept of Speed Sawing technology has enabled fabricators in the steel construction industry to increase their annual tonnage by a minimum of 20%! This increased productivity means fabricators can now participate in fast paced projects with confidence.



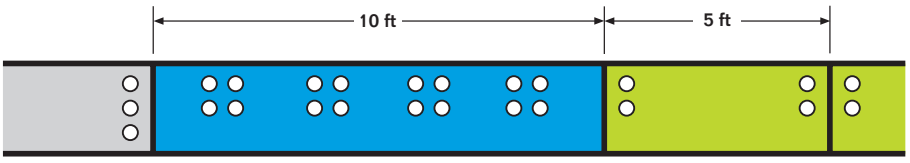
PRODUCTION

Peddinghaus pioneered tandem machine operation in the 1970's, and continuously explores improved technologies to increase your fabrication output. Perhaps the greatest benefit is that the band saw no longer becomes a bottleneck in the production of structural fabrication when installed in tandem with the Advantage.

FAST FLOOR TO FLOOR TIME MEETS ONSITE DEADLINES



W18 x 35 – 60 ft LENGTH SIMULATED MULT.



DETAIL A

A typical beam mult can be achieved in less than 15 minutes with one operator in a small foot print of less than 120 square feet. This process not only saves production time, but minimizes your steel inventory costs, while saving labor and shop floor space.

s Advantage...P

Save precious shop space and manpower

MATERIAL HANDLING

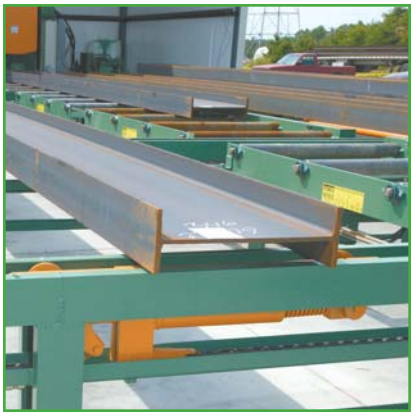
Peddinghaus has designed and manufactured material handling systems for structural steel shop installation for the past five decades. A cost-effective shop layout can be custom designed for your specific tonnage needs...now and in the future.

PRODUCTIVITY

Roller feed technology provides more benefits over measuring carriage systems including: flexible material flow, reduced maintenance, no lost cycle time to clamp and unclamp, continual processing speed, and no problems associated with coped or cambered sections.

Peddinghaus provides material handling flexibility to easily transfer sections to work stations located to the left, right, or down the center.

Various sections, sizes and shapes are stored and easily selected to maximize productivity per job.



The unique quiet glide carriage assembly selects the section needed.

Minimizing crane handling is a key to effective floor to floor productivity. Fabricators calculate each crane lift can cost a minimum of $25.

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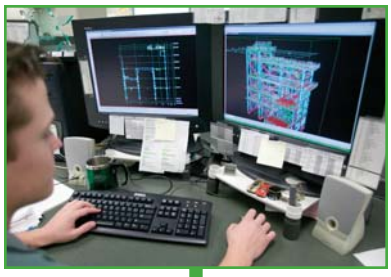
The industry benchmark since 1971

PEDDIMAT & DSTV

Peddinghaus pioneered the efficient electronic integration of all major structural steel software programs, including DSTV. Whether estimating or processing, Peddinghaus always provides your competitive edge.



TODAY'S DETAILING & MODELING SOFTWARE

SIEMENS CONTROL

The powerful Siemens 840DI is a true CNC control with a PC interface, not only insures your daily operation, but guarantees today's PC software technology is at your fingertips. Peddinghaus and Siemens team up for solid performance and service reliability around the corner or around the world.

SERVICE TRAINING

Founded in 1903, Peddinghaus is the leader in customer service, with more experienced telephone and field service technicians than any competitive firm. Classroom and on-site training assure our customers of *hit-the-floor-running* installations. Utilizing today's electronic internet technology, Peddinghaus users are never more than a dial up away from assistance.

Steel Burning Systems

Cutoff, weld prep, coping, haunches, beam splitting, compound miters, castellations, miter cuts and more…

Beam Cambering Machines

Induces permanent camber into all structural sections. Available in kit form for easy shipping and assembly.

Anglemasters

Automatic punching, marking and shearing of miscellaneous shapes.

Plate Processing Systems

The most economical solution for the automatic production of plate parts that require punching, drilling, marking, contouring, and cutting-to-length!

Peddinghaus PCD 1100 Machine Specifications

Material Specifications		
Material Sizes U.S. Rolled Shapes	W-Beams	W44 x 290 x 60ft W24 x 279 x 60ft W4 x 13 x 60ft
	C-Shapes	C15 x 50 x 60ft C3 x 6 x 60ft
	MC-Shapes	MC18 x 58 x 60ft MC6 x 12 x 60ft
	L-Shapes	L8 x 8 x 1-1/8 x 60ft L5 x 3 x 1/2 x 60ft L3 x 2 x 3/16 x 60ft
	HSS Tube	HSS20 x 12 x 5/8 x 60ft HSS10 x 10 x 5/8 x 60ft HSS3 x 1 x 1/8 x 60ft
	Plate / Flat Bars	44 x 6 x 20ft 4 x 6 x 60ft 3 x 3/4 x 60ft
Thickness	Minimum Maximum	1/8″ (3 mm) Based on Shape 18″ (460 mm) with Through the Spindle Coolant
Width	Minimum Maximum	3″ (76 mm) 43.31″ (1100 mm)
Length	Minimum	62″ (1575 mm)
Length/Weight	Maximum	300 pounds/ft to a maximum weight of 18,000 pounds (8165 kg)
Length of Miter	Maximum	31″ (787 mm) with optional X-material switch

Drill Spindle Specifications	
Number of Spindles	3 Drill Heads (Y, Z and W) each with a Single Spindle
Tool Holder	#4 Morse Taper with Thru Tool Coolant
Spindle Horse Power	13.5 HP, Dual-range Hydraulic Motor
Spindle Speed (Infinitely variable, Auto. Controlled)	0-900 rpm
Spindle Stroke	13″ (330 mm)
Positioning Stroke on both Flange Drills	0″ (0 mm) to 18″ (457.2 mm)
Positioning Stroke Web	0″ (0 mm) to 43.31″ (1100 mm)
Drill Rapid Feed	192 ipm (5 mpm)
Variable Feeds (individually for every spindle controlled by CNC)	2-10 ipm (25-300 mm/min)
Maximum Hole Size	1-9/16″ (40 mm) Dia.

Structural integrity is more than an engineering term – it's the Peddinghaus way of doing business.

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ISO 9001:2000 Certified

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