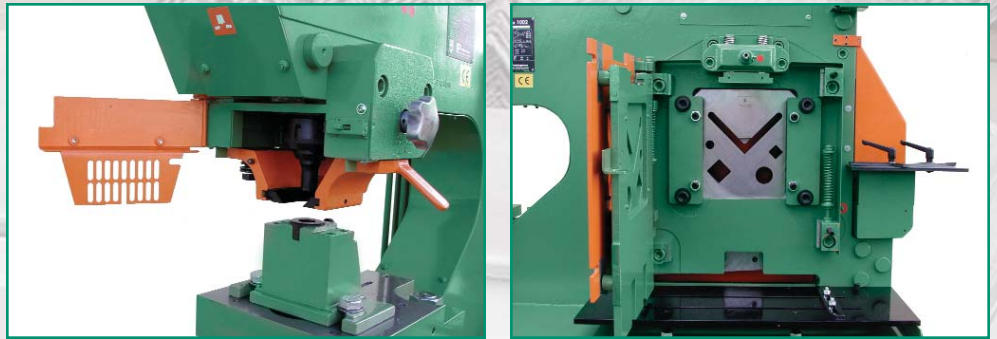


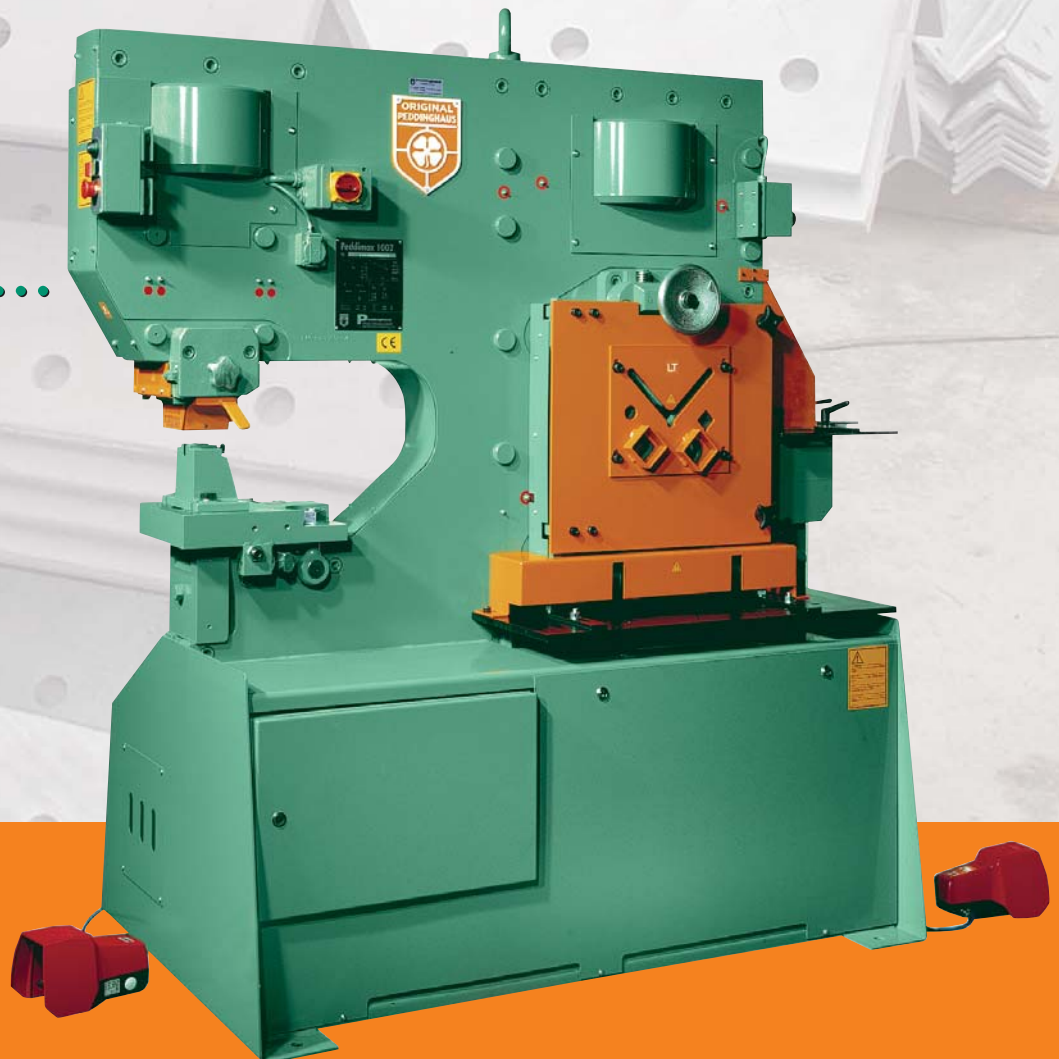
Ironworkers



Precision
Design...

Traditional
Performance...

Proven
Durability...



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



The Peddinghaus Tradition of Performance

Since 1903, Peddinghaus has set international standards of excellence in the design and manufacture of quality machine tools for the structural steel, heavy plate, and related metalworking industries.

Through the years, Peddinghaus has led the industry in numerous patented designs. This engineering provides solid machine tools which deliver consistent quality, high productivity, and profits to our customers throughout the world.

*It's what's
inside that counts...*

Performance Design

What elevates Peddinghaus above other ironworker machines is our inside story – a precision machined slide which provides a true 90 degree approach to every work piece – punch, shear, or notch. The perpendicular motion of the slide provides distortion free shearing and punching, every time.

Like any quality machine tool, the slide design incorporates machine gibs which guarantee long machine life and productivity.

The net result is a smooth, burr-free cut ready for your next operation.



Heavy Duty Hydraulic Cylinder

Supreme power for the toughest jobs

Adjustable Stroke Control

Faster output

Machine Grease Grooves

Lower maintenance cost

Angle Shear Opening

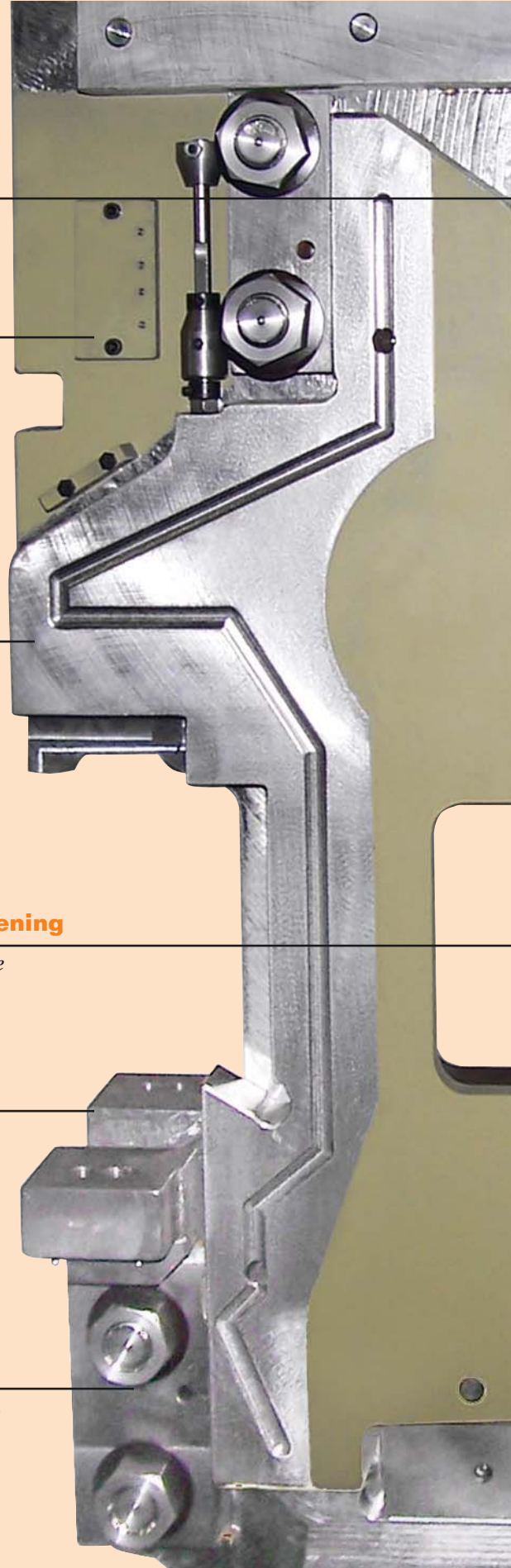
Square cuts every time

Square Notcher Opening

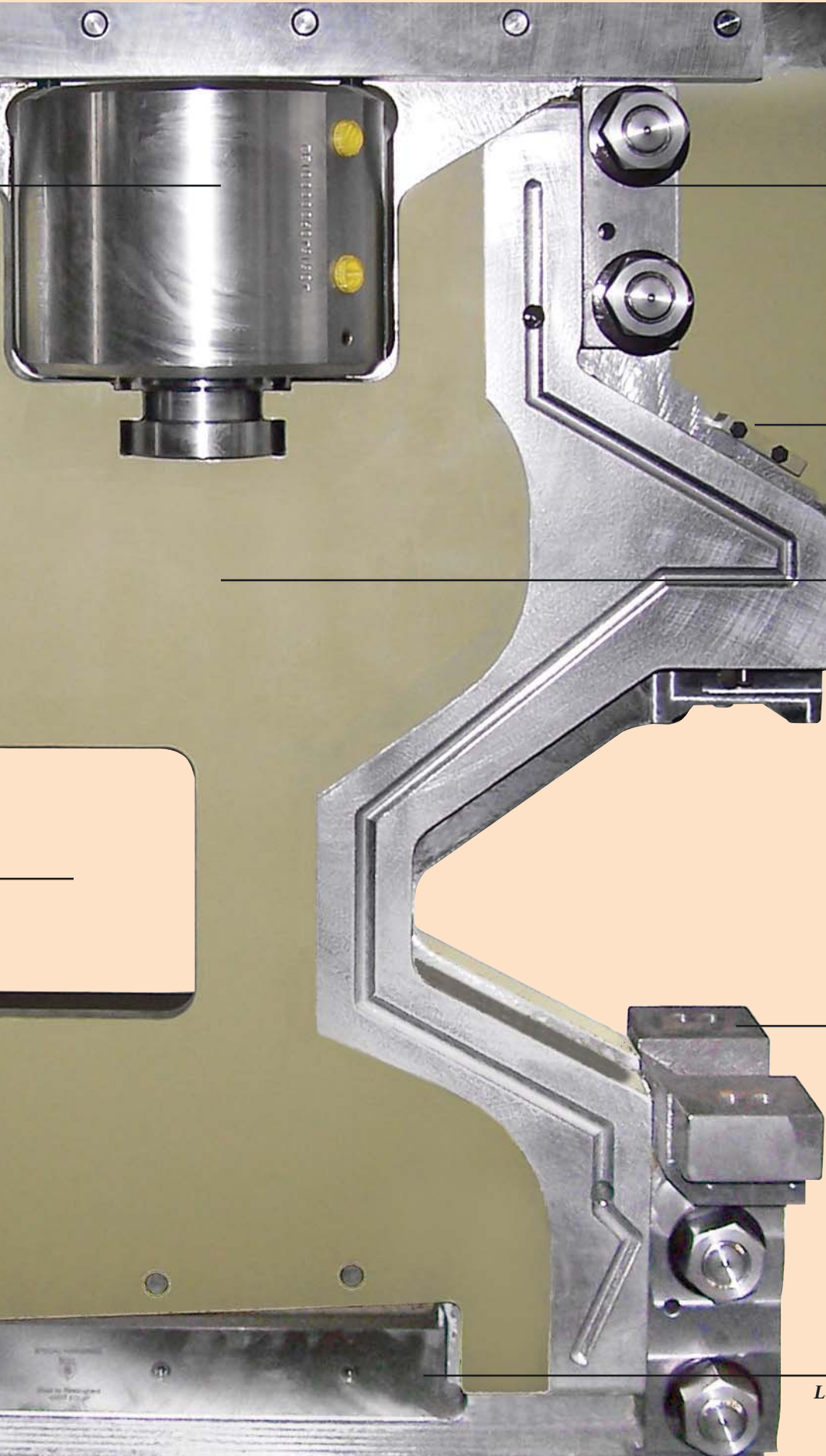
Superb versatility

Lower Gibs for Guidance

Reliability you can depend on



d from the Inside Out



Upper Gibs for Guidance

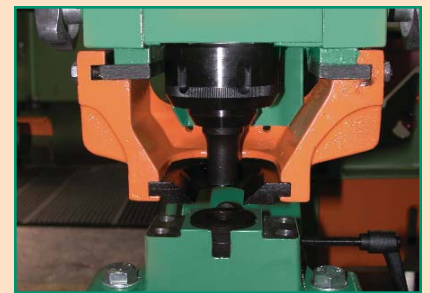
Assures vertical alignment

Heavy Side Frame Construction

Outstanding machine longevity

Tool Steel Slide

*Uniquely engineered for
peak performance*



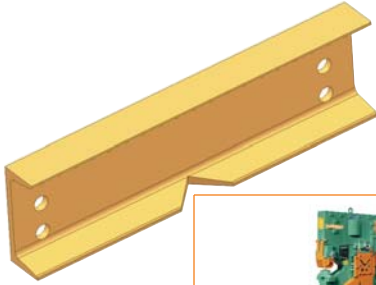
Quick Change Punch Unit

High performance punching power



Flat Shear Blade Opening

Large capacity, deformation-free cuts



Data

TECHNICAL CATALOG

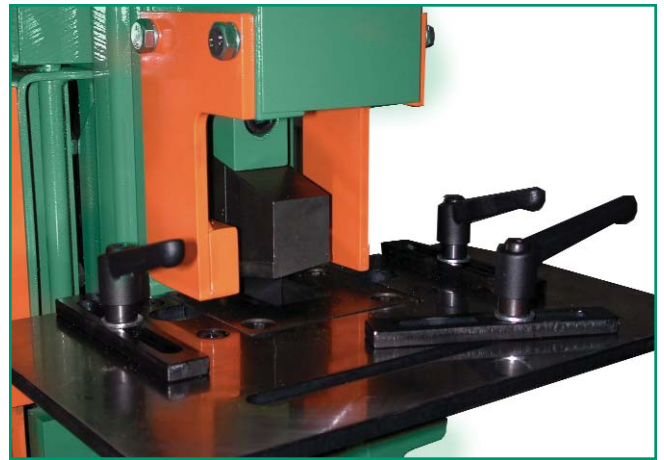


Model	Peddiworker 550	Peddiworker 1050	Peddimax 66/110	Peddimax 110/140
Flat Bar Shear				
Cuts Flat Bar with Minimum Distortion	14" x 3/8" (356mm x 10mm) 12" x 7/16" (305mm x 11mm) 8" x 1" (203mm x 25mm)	16" x 3/4" (406mm x 19mm) 12" x 5/8" (305mm x 16mm) 12" x 1" (305mm x 25mm)	15-3/4" x 5/8" (400mm x 16mm) 12" x 3/4" (305mm x 19mm)	20" x 5/8" (508mm x 16mm) 16" x 3/4" (406mm x 19mm)
Angle Iron 45° Cut	4" x 5/16" (102mm x 8mm)	5" x 3/8" (127mm x 10mm)	3" x 3/8" (76mm x 10mm)	5" x 1/2" (127mm x 12mm)
Blade Cut Length	14-1/8" (359mm)	16-1/2" (419mm)	15-3/4" (400mm)	20-1/4" (514mm)
Working Height	28-3/4" (730mm)	30" (762mm)	28-3/4" (730mm)	28-3/8" (721mm)
Section and Bar Stock Shear				
Cross Section (Square Inches)	2.4 (1550 mm ²)	4.75 (2320 mm ²)	4.75 (3000 mm ²)	5.75 (3500 mm ²)
Cuts with Standard Blades 90°				
Angles, 90° Cut	4" x 4" x 3/8" (102mm x 10mm)	5" x 5" x 1/2" (127mm x 13mm)	5" x 5" x 1/2" (127mm x 13mm)	6" x 6" x 1/2" (152mm x 13mm)
Rounds	1-1/4" and 3/4" (32mm and 19mm)	1-9/16" and 3/4" (40mm and 19mm)	1-9/16" and 3/4" (40mm and 19mm)	2" and 1" (40mm and 19mm)
Squares	1-3/16" and 3/4" (30mm and 19mm)	1-9/16" and 1" (40mm and 25mm)	1-9/16" and 1" (40mm and 25mm)	2" and 1-3/16" (51mm and 30mm)
Cuts with Special Knives				
Channels, 90° Cut	4" (102mm)	6" (152mm)	6" (152mm)	7" (178mm)
Working Height (to Center of Blades)	41-1/8" (1045mm)	45-7/8" (1165mm)	43-1/4" (1099mm)	45-1/2" (1156mm)
Square Notcher				
Plate	3/8" (10mm)	1/2" (13mm)	1/2" (13mm)	1/2" (13mm)
Angles	2" x 3/8" (51mm x 10mm)	3" x 3/8" (76mm x 10mm)	3" x 3/8" (76mm x 10mm)	3" x 1/2" (76mm x 12mm)
Channels in Flange	3" to 5" (76mm x 127mm)	3" to 5" (76mm x 127mm)	3" to 5" (76mm x 127mm)	3" to 6" (76mm x 152mm)
Notch Width	1-3/4" (44mm)	2" (51mm)	2" (51mm)	2-9/16" (65mm)
Notch Depth	2" (51mm)	2-3/4" (70mm)	3" (76mm)	3-5/16" (84mm)
Triangular Notcher				
Plate	3/8" (10mm)	1/2" (13mm)	1/2" (13mm)	1/2" (13mm)
Angles	2" x 3/8" (51mm x 10mm)	2-1/2" x 3/8" (64mm x 10mm)	2-1/2" x 3/8" (64mm x 10mm)	3" x 3/8" (76mm x 10mm)
Notch Depth	2" (51mm)	2-3/16" (56mm)	2-3/16" (56mm)	2-9/16" (65mm)
Working Height	40" (1016mm)	44-1/4" (1124mm)	43-1/4" (1099mm)	43-1/4" (1099mm)
Punch Unit				
Rated Capacity	55 Tons (50 kN)	105 Tons (80 kN)	66 Tons (60 kN)	110 Tons (100 kN)
Punch Capacity	1-1/4" in 1/2" (32mm in 13mm)	1-1/4" in 3/4" (32mm in 19mm)	1-1/4" in 19/32" (32mm in 15mm)	1-1/4" thru 1" (32mm thru 25mm)
Channels in Flange	3" to 12" (76mm to 305mm)	4" to 15" (102mm to 381mm)	4" to 12" (102mm to 305mm)	4" to 15" (102mm to 381mm)
Channels in Web	4" to 12" (102mm to 305mm)	4" to 15" (102mm to 381mm)	4" to 14" (102mm to 356mm)	4" to 15" (102mm to 381mm)
Punches with Oversize Punching Attachment				
Up to 2-1/2" (64mm)	2-1/2" x 7/32" (64mm x 6mm)	2-1/2" x 7/16" (64mm x 11mm)	2-1/2" x 9/32" (64mm x 7mm)	2-1/2" x 1/2" (64mm x 13mm)
Up to 3-1/2" (89mm)	3-1/2" x 5/32" (89mm x 4mm)	3-1/2" x 11/32" (89mm x 9mm)	3-1/2" x 3/16" (89mm x 5mm)	3-1/2" x 11/32" (89mm x 9mm)
Throat Depth	8" (203mm)	10" (254mm)	16" (406mm)	20" (508mm)
Working Height	41-1/8" (1045mm)	44-3/4" (1137mm)	41-1/4" (1048mm)	43-1/4" (1099mm)
Machine Data				
Number of Strokes on the Punch Unit at Full Stroke	21	17	26	22
Stroke, Infinitely Adjustable	3/8" to 1-1/4" (10mm to 32mm)	3/8" to 1-5/8" (10mm to 41mm)	3/8" to 2" (10mm to 51mm)	3/8" to 2" (10mm to 51mm)
Power Rating	5.5 HP (4 kW)	5.5 HP (4 kW)	7.5 HP (5.6 kW)	10 HP (7.5 kW)
Charge of Oil	12 Gallons (45 Litres)	12 Gallons (45 Litres)	21 Gallons (80 Litres)	28 Gallons (106 Litres)
Net Weight	1880 lbs. (854 kg)	2550 lbs. (1159 kg)	4200 lbs. (1909 kg)	6500 lbs. (2954 kg)
Machine Dimensions				
Length	36-1/2" (927mm)	40-3/4" (1035mm)	65-1/4" (1657mm)	77-1/4" (1962mm)
Width	25-1/2" (648mm)	26-3/4" (679mm)	40-1/8" (1019mm)	40-1/4" (1022mm)
Height	65-1/4" (1657mm)	72-1/2" (1842mm)	77-1/4" (1962mm)	81-1/4" (2064mm)

PEDDIWORKER 550

Universal Ironworker combined section shear, plate shear and miter capability with quick change punch attachment.

The Peddiworker 550 has everything that a Universal Ironworker needs...and at an affordable price!



Notcher/punch attachment equipped with square notcher. Also suitable for notching the flanges of channels up to 3" (75mm).

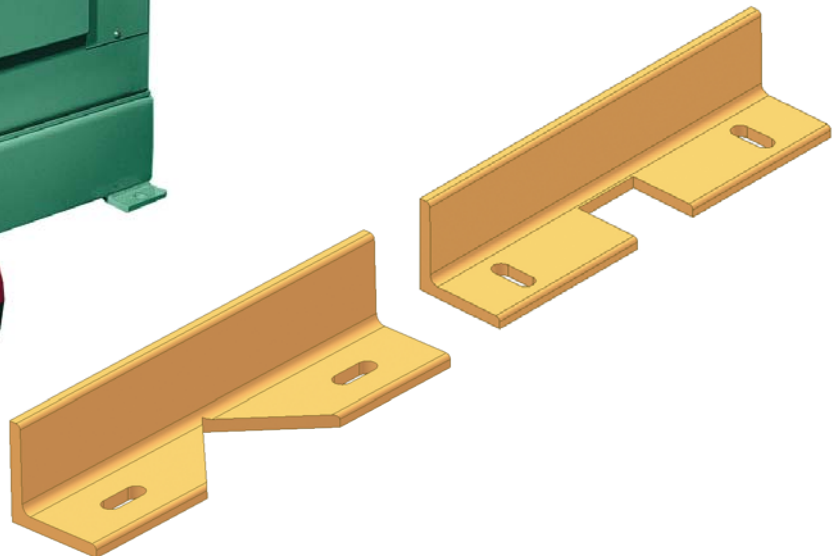


At a glance:

Combined flat, section and bar stock shear, hydraulically operated, 55 ton rated punching and shearing capacity.

Equipped with:

- ▶ Flat shear blades
- ▶ Material support table with gauge stops for flat shear and square notcher
- ▶ Section shear for angles
- ▶ Round and square bar section
- ▶ Quick-change punching attachment with die holder
- ▶ Moveable stripper with exchangeable plates
- ▶ 2-stage foot pedal operation
- ▶ Electrical control panel
- ▶ Socket for electrical contact length stop
- ▶ Integrated hydraulic power-pack
- ▶ Capacity to meet all fabricating requirements





Quick-change punching attachment for punching up to 1-1/4" (32mm) diameter.

At a glance:

4-station flat section and bar stock shear with notching attachment and punch unit, hydraulically operated, 105 tons of punching and shearing capacity.

Equipped with:

- ▶ Flat shear blades
- ▶ Material support table with gauge stops for flat shear and square notcher
- ▶ Section shear knives for angles
- ▶ Round and square bar section
- ▶ Square coper or triangular notcher with support table and gauge stops
- ▶ Quick-change punching attachment with die holder
- ▶ Height-adjustable and moveable stripper with interchangeable plates
- ▶ 2-stage foot pedal: low pressure punch spotter with foot pedal operation
- ▶ Electrical control panel
- ▶ Socket for electrical contact length stop
- ▶ Integrated hydraulic power unit

1050

P E D D I W O R K E R

Universal Ironworker combined section shear. For stock and bar shear with quick-change punch unit and notcher.

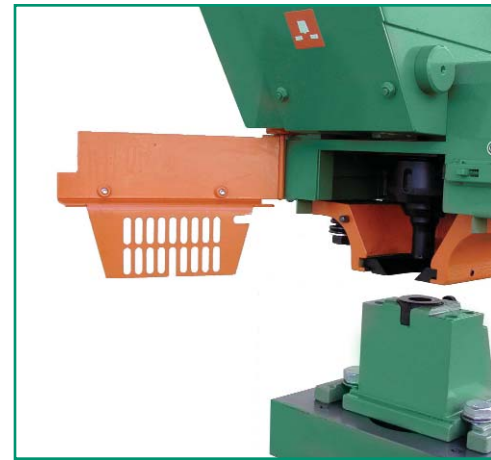
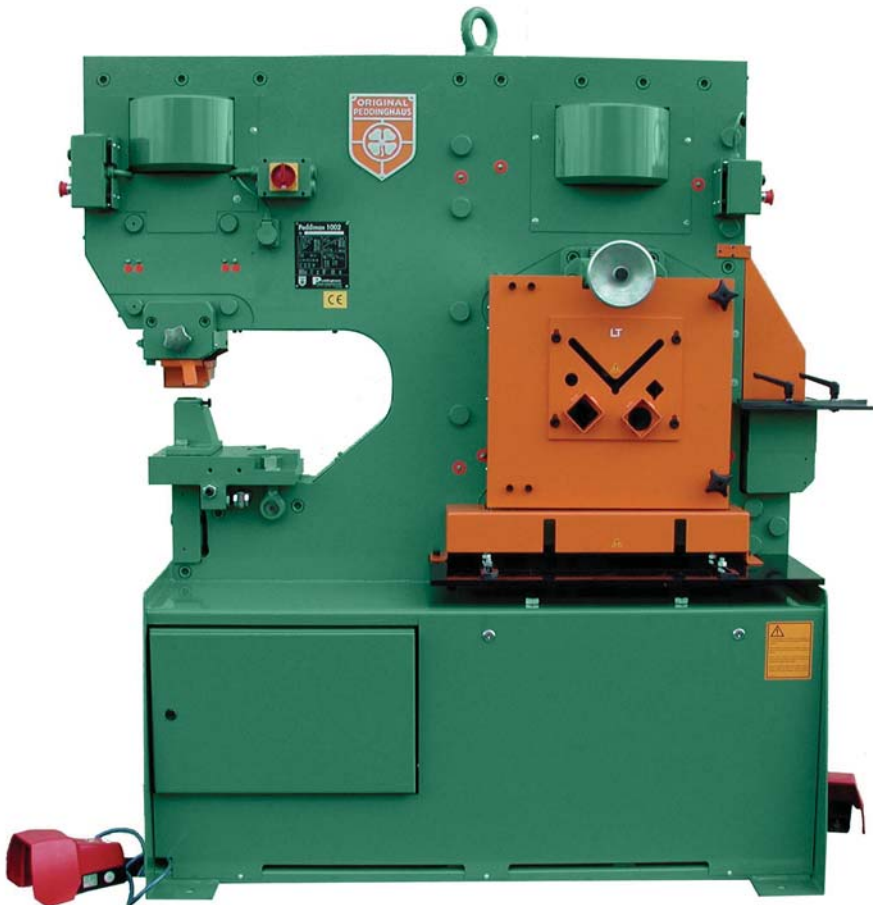
Peddiworker Universal Ironworkers has set international standards for excellence. The new model features a versatile notcher/punch attachment which offers a distinct advantage over other models. This new design allows fabricators to react quickly to varied tasks and produce parts with increased productivity and quality.



110/140

The new Peddimax is equipped with two slides which allows two operators to work independently of one another, yet still ensures ease of operation.

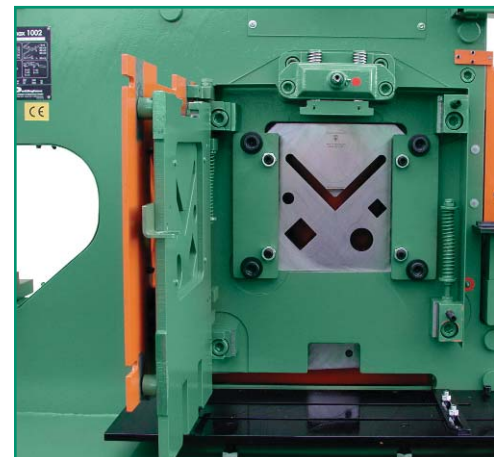
Along with the quick-change, high-performance punch unit, Peddimax Universal Ironworkers feature a plate and flat bar shear with a ledge table, gauge stop, and in-feed guide for accurate shearing to the precise angle, a section shear for shearing angle iron, rounds and squares, and a square or triangular notcher.



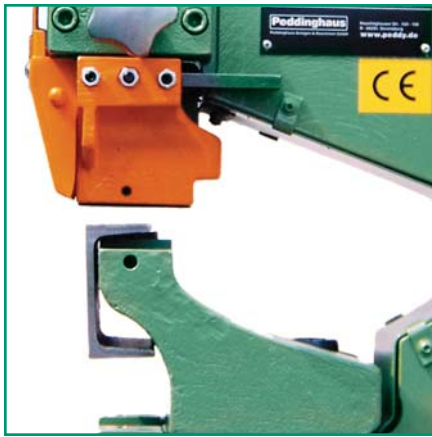
Quick-change punching attachment with swing-away stripper and die holder for stock punches and dies up to 1-1/4" (32mm) diameter using standard die block with flat die bolster. Also available upon request with the universal gooseneck dieblock for economic fabrication of structural shape. Oversized punch attachments available.



Square notcher with support table. Also suitable for notching the flanges of channels and I-sections.

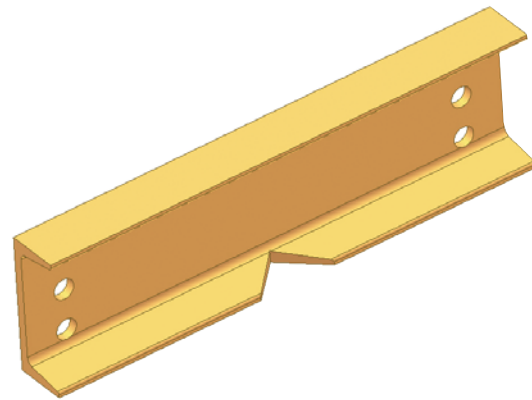


Spring mounted hinged support for simple changing of sections knives.



Universal die block for punching flanges and welds of structural shapes (optional).

66/110



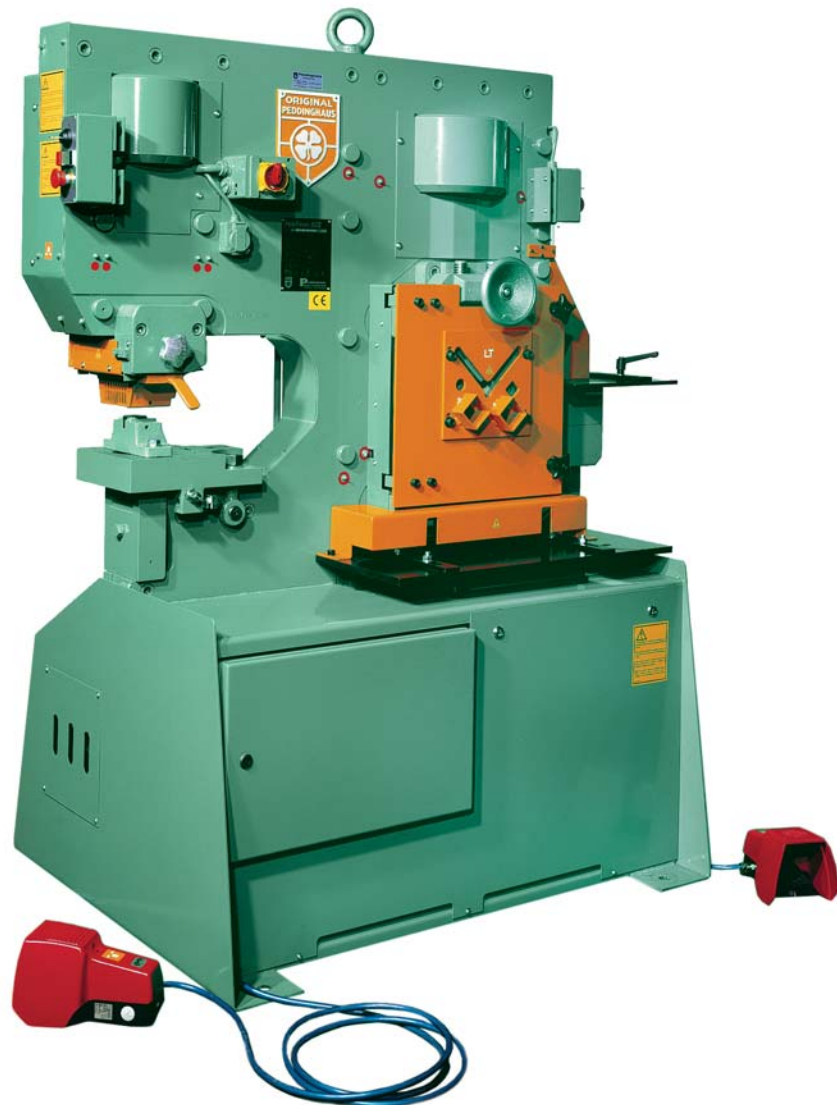
PEDDIMA X

At a glance:

The Peddimax hydraulic Ironworkers are designed for continuous production with features that meet the most demanding applications. Hydraulic power up to 140 tons assures consistent production time.

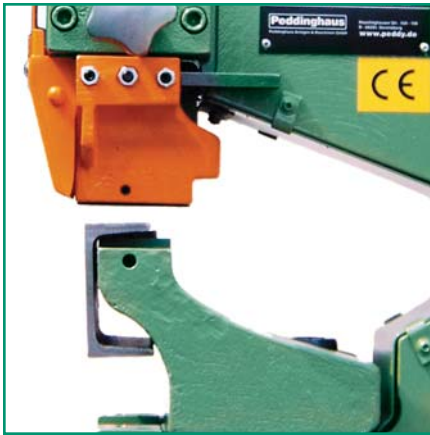
Equipped with:

- ▶ Flat shear blades
- ▶ Material support table with gauge stops for flat shear and square notcher
- ▶ Section shear knives for angles
- ▶ Round and square bar section
- ▶ Square coper or triangular notcher with support table and gauge stops
- ▶ Quick-change punching attachment with die holder
- ▶ Height-adjustable and moveable stripper with interchangeable plates
- ▶ 2-stage foot pedal: low pressure punch spotter with foot pedal operation
- ▶ Electrical control panel
- ▶ Socket for electrical contact length stop
- ▶ Integrated hydraulic power unit



HYDRAULIC 110/20

The Peddinghaus hydraulic single end punch is equipped with a powerful hydraulic drive system, and features compact design, state-of-the-art technology and a comprehensive range of accessories and tooling.



Universal die block for punching flanges and welds of structural shapes (optional).



Standard punching attachment consisting of quick change punching attachment up to 1-1/4" (32mm) diameter with flat die bolster.

At a glance:

The versatile 110/20 provides a compact powerful package that maximizes floor space.

Equipped with:

- ▶ 110 ton rated capacity
- ▶ 20" (500mm) throat depth
- ▶ Quick change punching attachment that uses stock punches and dies
- ▶ Height adjustable swing-away stripper with exchangeable plates
- ▶ Hydraulic low pressure spotter for easy foot pedal operation
- ▶ Infinitely adjustable stroke from 5/32" to 1-9/16" (4mm to 40mm)

Model	110/20
Rated Capacity	110 Tons (100 kN)
Stroke	2" (51mm)
Stroke, Adjustable	5/32" to 2" (10-51mm)
Number of Strokes at 3/8" (10mm)	45
Working Height to Die	43-3/8" (1100mm)
Throat Depth	20" (510mm)
Width of Flat Die Bolster	11-7/8" (300mm)
Punches	
With Flat Die Bolster	1-1/4" in 1" (31mm in 25mm)
With Universal Die Block	
Channels in Flange	4" to 14" (100mm to 380mm)
Channel in Web	4" to 16" (100mm to 400mm)
I-Beams in Flange	4" to 12" (100mm to 340mm)
I-Beams in Web	4" to 21" (100mm to 500mm)
Oversized Punch Attachments	
Up to 2-1/2" (65mm)	2-1/2" in 1/2" (65mm in 12mm)
Up to 3-1/2" (90mm)	3-1/2" in 11/32" (90mm in 8.5mm)
Up to 5-1/8" (130mm)	5-1/8" in 15/64" (130mm in 6mm)
Machine Data	
Power Rating	10 HP (7.5 kW)
Charge in Oil	26-1/2 Gallons (100 Litres)
Net Weight with Oil	5280 lbs. (2400 kg)
Machine Dimensions (LxWxH)	69" x 40" x 81" (178mm x 102mm x 206mm)

CNC GAUGE TABLE



CNC gauging table for X and Y axis positioning.

The 110/20 CNC single end punch with CNC gauge table will process material up to 1" (25mm) thick. The CNC control unit operates seamlessly with the Peddimat programming system for plate and angle detail productivity.

At a glance:

The CNC gauge table provides automated efficiency and accuracy at a minimal cost.

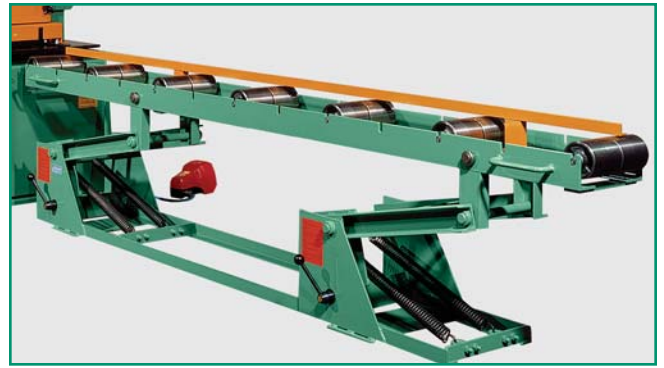
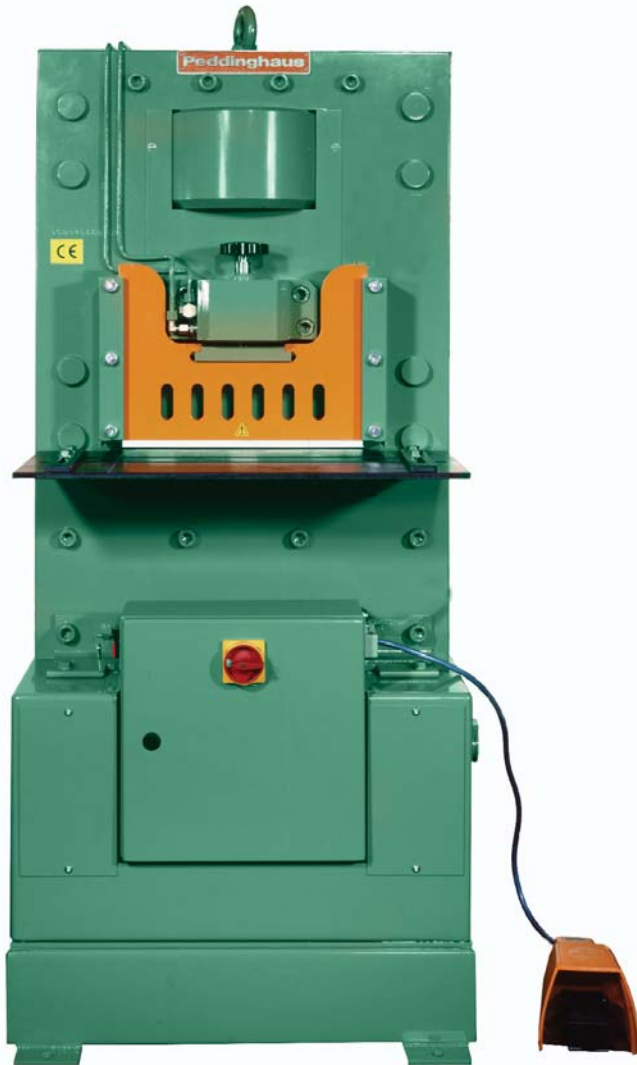
Benefits:

- ▶ Eliminate manual layout
- ▶ Guaranteed CNC accuracy
- ▶ Recall previously stored programs easily
- ▶ 50% faster than traditional methods
- ▶ Easily adaptable to Peddimax 110/140 Steelworker flexible manufacturing cell



FLAT SHEAR FS880

The FS800 shear is a uniquely engineered and designed single slide hydraulic flat shear. All forces generated through shearing are equally distributed through the slide and body plates, not through the hydraulic cylinder...thus eliminating shock and stress on the hydraulic system.



At a glance:

The integrated power unit creates a compact yet powerful single cut flat shear designed to shear a variety of materials.

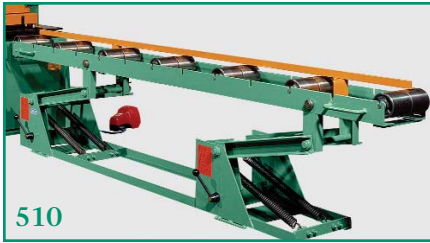
Equipped with:

- ▶ Hydraulic flat shear with integrated hydraulic power-pack
- ▶ Material support table with two adjustable guides for precision flat cutting
- ▶ Electric safety circuit; stroke movements that have been initiated can be interrupted in any position
- ▶ Sockets for electrical contact length stop and machine spot lamp
- ▶ Rugged plate design; vertical shear movement
- ▶ Hydraulic drive system as protection against surcharge
- ▶ Hydraulic hold down as optional
- ▶ Electrical 39" (1000mm) length stop as standard

Model	FS880 Flat Shear
Cuts Flat Bar	Up to 16" x 3/4" (406mm x 19mm)
Mitre Cut 45°	Up to 4-1/2" x 3/4" (114mm x 19mm)
Blade Cut Length	16.7" (425mm)
Working Height	36" (920mm)
Machine Data	
Number of Strokes at 13/16" (21mm)	25
Stroke, Adjustable	3/8" to 1-5/8" (10-42mm)
Power Rating	5.5 HP (4 kW)
Charge in Oil	12 Gallons (45 Litres)
Net Weight with Oil	1860 lbs. (815 kg)
Machine Dimensions (LxWxH)	29" x 27" x 63" (73mm x 69mm x 160mm)

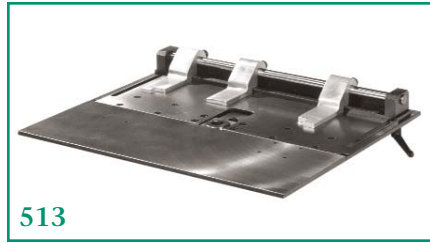
Tooling

AGGES SORITES



510

Conveyor, 10' long, manual height adjustable



513

Detachable front material support table with adjustable side and depth gauge stops 20-1/4" x 25" (520mm x 635mm)



517

Punch work table, short 6" x 15-5/8" (152mm x 397mm)



518

Punch work table, full 13-9/16" x 15-3/4" (344mm x 400mm)



522

Electrical length stop 39", 78", 118" (1m, 2m, 3m)



524

Linear gauge rail 39", 78", 118" (1m, 2m, 3m)



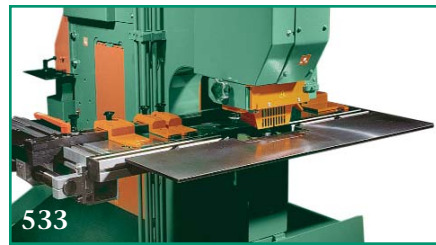
533 Detail

Detail of adjustable indexing cams



533 Plus

Gauging table system WBL Plus



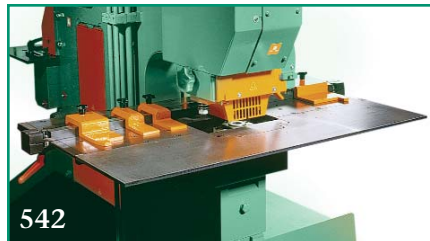
533

Large production gauge table for high speed positioning of material with depth and rail stops



539

Detachable front gauge table 12-1/4" x 19-5/8" (311mm x 498mm)



542

Gauge table 30" x 40" (762mm x 1016mm) with finger stops



543

CNC 2 axis gauging table



546

Large capacity table with removeable front 18-3/4" x 19-5/8" (476mm x 498mm)



548

Short 2 gauge work table



Work light with magnetic base



Oversize punch attachment 2-1/2", 3-1/2" (65mm, 90mm)



Punch and dies



CNC flat bar measuring conveyor

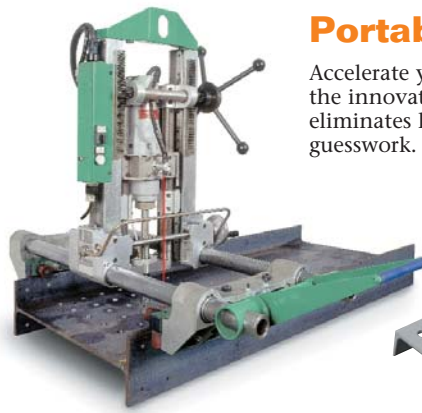
Production Band Saws

Superior cost saving performance for today's mid-range cutting demands.



Portable Drills

Accelerate your drilling production with the innovative portable drill line that eliminates layout and drilling guesswork.



Structural Band Saws

Peddinghaus has pioneered the development of band sawing technology for structural steel sections.



Portable Hydraulic Tools

Hydraulic presses for portable punching of all structural sections up to 250 tons.



90 degree fixed angle notcher with patented blade clearance system for various thickness and burr free cut.



Advantage Drill Line

The Peddinghaus Advantage drill line opens the doors of opportunity wherever structural steel is fabricated.



Anglemasters

Automatic punching, marking and shearing of angle, flats, plate, and channel.



Established in 1903, Peddinghaus has been instrumental in providing quality equipment for virtually every major construction project in the world. As the industry leader in innovative technology for structural steel and heavy plate fabrication, Peddinghaus stands ready to serve our industry partners.



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