PRECISION PRESS BRAKES AND SHEARS

PIRANHA

AHB

TOOLING & MACHINERY, INC.

COMPLETE METALWORKING SOLUTIONS

(800) 991-4225
ISO Certified

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customerservice@ahbinc.com

WPH WPB WPA WPE WPS

The PIRANHA PROMISE™
ROCKFORD, ILLINOIS
100%

800-338-5471 ★ MEGAFAB.COM

> “Piranha's customer service is going to be tough to beat.”
>
> Michael Dodson / SleepSafe Beds
> Fabrication Supervisor - Bassett, VA

Product Index

When it comes to bending, time is money.

That’s why Piranha developed a line of CNC press brakes and shears packed with productivity.

Brakes over 90 tons come standard with EasyCrown™ helping you make the first part a perfect one. And with industry-leading, easy-to-use Delem controls and offline software, your programmers can work offline while your operators crank out parts.

All backed by the **Piranha Promise**™ —our commitment to give you the best quality, and to be there when you need us.

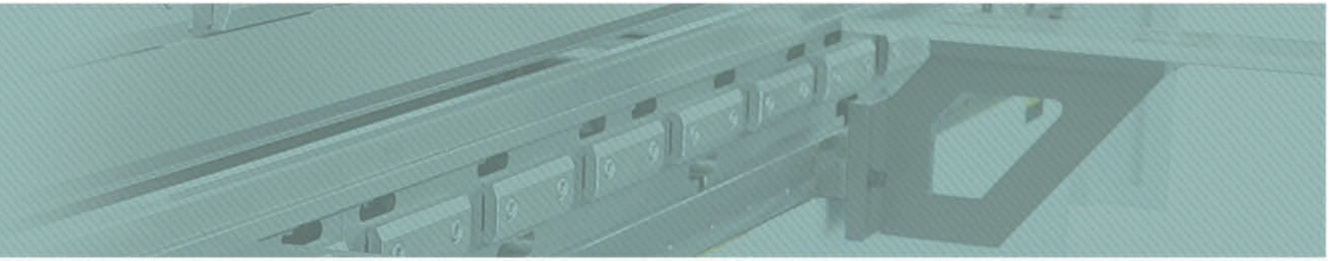
35-50 TONS
WPE CNC ElectricServo Driven Press Brakes

40-90 TONS
WPA Series Precision Press Brakes

90-335 TONS
WPH Series Single and Tandem Precision Press Brakes with EasyCrown™

440-3000 TONS
WPB Series Large Tonnage Single and Tandem PressBrakes with EasyCrown™

SHEARS
WPS Series CNC Guillotine Style Shear



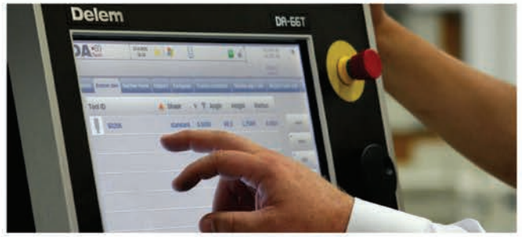
1 EasyCrown™ Automated Hydraulic Crowning System

When you're bending a part, the goal is to produce the most accurate part, in the shortest amount of time, over and over. This can be a challenge, because press brakes apply pressure from the ends, which causes a bow in the middle. So when the bed is not perfectly flat, neither is the part. We call this problem "deflection."

Piranha's EasyCrown system adjusts automatically to overcome this issue—eliminating guesswork to give you accurate, consistent parts. We accomplish this through a three-piece bed with hydraulic cylinders, which counteract the bending force. Simply program the part, the material type, thickness, and tools into the Delem CNC controller, and it automatically adjusts the bed for accuracy.

The Delem controller automatically adjusts the bed for accuracy through hydraulic cylinders in the bed.

2 Delem Controls



A great press brake requires a great brain. That's why we chose industry-leading Delem controls for the Piranha line.

Our Precision Press Brakes feature the new generation DA-Touch graphical controls, which are state-of-the-art technology for improving productivity. They're designed for easy use, and they give you a new level of efficiency in programming, operation and control.

The DA-66T offers 2D programming that includes automatic bend sequence calculation and collision detection, which you can then view in 3D.

If your operations don't require as much automation, you can choose the DA-58T, which offers many of the same features without 3D visualization.

3 The Piranha Promise

The PIRANHA PROMISE™ — ROCKFORD, ILLINOIS — 100%

A great press brake is one thing—great service is another. Our productivity engineers are based in Rockford, Illinois, and we are committed to keep you up and running through training, fast-turn around on parts, highly responsive service, and expert advice 24/7.

WPH Series

Precision Press Brakes

- CNC press brakes featuring an advanced design with high speed, high accuracy and excellent rigidity
- EasyCrown™ Automated Hydraulic Crowning System is standard on all models, including a three-piece bed design
- C-frame throat deformation compensation system to ensure precise bends
- Hoerbiger (German) Hydraulic system featuring a closed loop proportional control
- Dual gibbed ram structure with a self–lubrication system guarantees precise operation
- Cylinders are attached to ram with spherical floating supports and the piston and rod is equipped with a unique guiding system to assist during unbalanced loading
- Backgauge components include: digital AC servo motors with precision ball screws and linear guide
- Fiessler Laser Curtain
- Interlocked Side and Rear Safety Gates

Technical Specifications

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	*Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPH 90-08	90	100.4	84.6	13.7	6.9	15.7	472	33	241	10	60	139 x 57 x 93	14,000
WPH 125-08	125	100.4	84.6	16.1	8.5	17.3	472	33	378	15	80	139 x 60 x 99	18,000
WPH 125-10		122.1	102.5								80	157 x 60 x 103	19,500
WPH 125-13		161.4	141.7								105	197 x 60 x 107	22,500
WPH 180-10	180	122.1	102.5	16.1	8.5	17.3	377	24	330	20	95	160 x 65 x 104	24,000
WPH 180-13		161.4	141.7				401		330		132	197 x 73 x 105	29,000
WPH 180-16		200.8	165.4				283		260		158	230 x 73 x 136	46,500
WPH 250-10	250	122.1	102.5	16.1	8.5	17.3	307	24	283	25	100	160 x 74 x 106	29,500
WPH 250-13		161.4	141.7				307		283		160	197 x 74 x 110	35,500
WPH 250-16		200.8	165.4				283		260		197	230 x 74 x 137	53,000
WPH 250-20		244.1	200.8				283		260		211	273 x 73 x 139	62,000

Refer to page 21 for diagram of dimensions

**Subtract 3.94" from opening when using supplied box clamps*

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	*Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPH 280-10	280	122.1	102.5	16.1	8.5	17.7	283	24	236	25	100	160 x 74 x 106	30,000
WPH 280-13		161.4	141.7								160	197 x 74 x 110	36,000
WPH 280-16		200.8	165.4								211	230 x 74 x 137	53,000
WPH 280-20		244.1	200.8								237	273 x 73 x 139	62,000
WPH 335-10	335	122.1	102.4	16.1	10.4	19.7	283	24	236	30	132	160 x 77 x 113	40,000
WPH 335-13		161.4	141.7								166	198 x 77 x 122	47,500
WPH 335-16		200.8	165.4								211	230 x 79 x 136	64,000
WPH 335-20		244.1	200.8								237	273 x 79 x 146	77,500

Refer to page 21 for diagram of dimensions

**Subtract 3.94" from opening when using supplied box clamps*

WPB Series

Large Tonnage Precision Press Brakes

- CNC press brakes featuring an advanced design with high speed, high accuracy and excellent rigidity
- EasyCrown™ Automated Hydraulic Crowning System is standard on all models, including a three-piece bed design
- C-frame throat deformation compensation system to ensure precise bends
- An Electro-hydraulic full loop servo system controls the synchronization of the ram
- Dual gibbed ram structure with a self–lubrication system guarantees precise operation
- Cylinders are attached to ram with spherical floating supports and the piston and rod is equipped with a unique guiding system to assist during unbalanced loading
- Backgauge components include: digital AC servo motors with precision ball screws and linear guide
- Fiessler Laser Curtain
- Interlocked Side and Rear Safety Gates

Technical Specifications

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPB 440-13	440	161.4	126.0	20.1	12.4	20.5	260	21	236	40	263	197 x 85 x 141	60,000
WPB 440-16		200.8	165.4								276	230 x 85 x 157	78,500
WPB 440-20		244.1	200.8								316	273 x 85 x 158	95,000
WPB 550-13	550	161.4	126.0	20.1	12.4	20.5	236	21	213	50	276	197 x 87 x 150	73,000
WPB 550-16		200.8	165.4								316	230 x 90 x 169	95,000
WPB 550-20		244.1	200.8								342	273 x 90 x 181	117,000
WPB 550-26		322.8	255.9								342	352 x 90 x 217	168,000
WPB 700-13	700	161.4	126.0	20.1	12.4	24.4	236	21	213	60	316	197 x 96 x 162	101,500
WPB 700-16		200.8	165.4								316	230 x 96 x 170	137,000
WPB 700-20		244.1	200.8								316	273 x 96 x 181	150,000
WPB 700-26		322.8	255.9								395	352 x 96 x 186	187,500

Refer to page 21 for diagram of dimensions

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPB 890-20	890	244.1	200.8	24.0	16.1	28.3	236	21	189	100	395	273 x 118 x 201	196,500
WPB 890-26		322.8	255.9								474	352 x 118 x 217	276,000
WPB 1100-20	1100	244.1	200.8	24.0	16.1	28.3	236	21	189	120	395	273 x 109 x 193	225,000
WPB 1100-26		322.8	255.9								526	352 x 109 x 213	287,000
WPB 1350-20	1350	244.1	200.8	24.0	16.1	28.3	213	19	165	120	421	273 x 116 x 201	243,000
WPB 1350-26		322.8	255.9								553	352 x 116 x 217	326,500
WPB 1350-39		472.4	374.0					19	142		658	498 x 146 x 315	551,500
WPB 1800-26	1800	322.8	255.9	24.0	16.1	28.3	165	17	142	2 x 75	789	352 x 130 x 268	485,500
WPB 1800-39		472.4	374.0	39.4	19.7	49.2	165	17	142	2 x 75	789	498 x 185 x 394	772,000
WPB 2200-39	2200	472.4	374.0	49.2	23.6	63.0	165	17	142	2 x 100	947	498 x 185 x 394	926,000
WPB 2750-39	2750	472.4	374.0	59.1	23.6	74.8	165	14	118	2 x 100	947	498 x 209 x 394	1,080,500
WPB 3300-39	3300	472.4	374.0	59.1	23.6	74.8	165	14	118	2 x 120	1105	498 x 220 x 394	1,323,000

Refer to page 21 for diagram of dimensions

WPA Series

Precision Press Brakes

- Delem DA-58T included as standard control
- Hoerbiger (German) Hydraulic system featuring a closed loop proportional control
- Backgauge is standard with X axis, auto R and two finger stops which slide on ways
- Two bolted front sheets supports are included and can be moved and bolted down the length of the machine
- Fiessler Laser Curtain
- Side and Rear Interlocked Safety Gates

Technical Specifications

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	*Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight (lbs.)
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPA 40-04	40	49.2	37.4	11.8	4.7	17.7	420	37	420	5.5	40	88 x 56 x 85	8,900
WPA 55-06	55	80.7	68.9	13.7	6.9	18.9	420	37	420	7.5	40	110 x 57 x 87	10,500
WPA 90-08	90	100.4	84.6	13.7	6.9	18.9	307	23	260	7.5	40	130 x 57 x 95	11,800

Refer to page 21 for diagram of dimensions

**Subtract 3.94" from opening when using supplied box clamps*

WPE Series

CNC Electro Servo Driven Press Brakes

- CNC Electric Servo Driven Press Brake
- Ram is driven by ball screws, linear guides provide feedback for the closed loop control
- Delem DA-56s included as standard control
- Energy Conserving, lower noise and accurate positioning
- Backgauge is driven by digital AC servo motor and moved by precision ball screw guided by linear guides
- Worktable includes mechanical crowning.
- Deformation compensation device on throat to ensure bending precision
- Fiessler Laser Curtain
- Mechanical fast clamps for punches and a 2-V plus T-slot lower die holder
- Equipped with LED light under upper beam cover

Technical Specifications

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	*Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight (lbs.)
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPE 33-04	33	49.2	39.3	9.8	4.7	13.2	259	47	259	5.5 x (2)	NA	70 x 52 x 87	6,700
WPE 55-06	55	80.7	70.5	9.8	7.8	17.3	472	47	472	12 x (2)	NA	116 x 60 x 98	13,300

Refer to page 21 for diagram of dimensions

**Subtract 3.94" from opening when using supplied box clamps*

Piranha Standard Equipment

(available in WPH, WPB and WPA Precision Series Press Brakes)

Delem DA-58T CNC Control

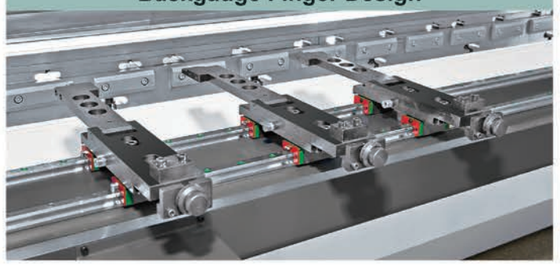
- 2D graphical touch screen programming
- 15" high resolution color TFT
- Bend sequence calculation
- Crowning control
- Storage capacity 1 GB
- Industrial grade touch screen
- USB flash memory drive
- Power-down memorization

(2) Bolt on Front Sheet Supports

Universal Wedge Clamps

H-Series Backgauge with X and Auto R

Backgauge Finger Design



Control and Software Options

Delem DA-66T CNC Control

- 2D graphical touch screen programming mode
- 17" high resolution color TFT
- 3D visualization in simulation and production
- Crowning control
- USB, peripheral interfacing
- Sensor bending & correction interface
- Full touch screen control (IR-touch)
- Product and tools memory 256MB
- Standard Windows® networking
- USB flash memory drive
- Memory capacity 1 GB
- Full Windows application suite
- 3D graphics acceleration

Delem DA-69T CNC Control

All the features of the DA-66T Plus:

- Storage Capacity of 2GB
- The ability to Program in 3D as well as visualize 3D in Simulation and Production modes.
- Includes Profile-T 3D Offline Software and the OP-3D- Visualization.

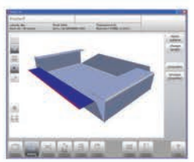
Offline Software Options

Profile-T 2D

- Allows you to offline program products and tools manually simulating the control at your desk.
- DXF Import of Products or Tools

Profile-T 3D

- Allows you to offline program products and tools manually simulating the control at your desk.
- DXF Import of Products or Tools
- IGES or Step File Import of Products



Backgauge Options

H-Series Backgauge with X, R, Z1 and Z2

5 Axis Backgauge (X, R, Z1, Z2, X1)

6 Axis Backgauge (X1, X2, R1, R2, Z1, Z2)

Large Tonnage Backgauge

Punch Clamp Options

Automatic Clamping

Fast Clamps

Automatic Clamping

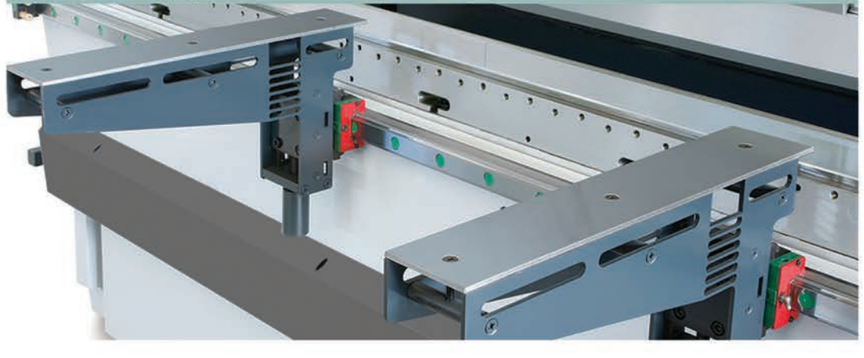
- Available in Multiple Configurations from Wilson, Wila and Other Tooling Manufacturers

Fast Clamps

- Available in European Punch or Reversible European/American Style

Sheet Support Option

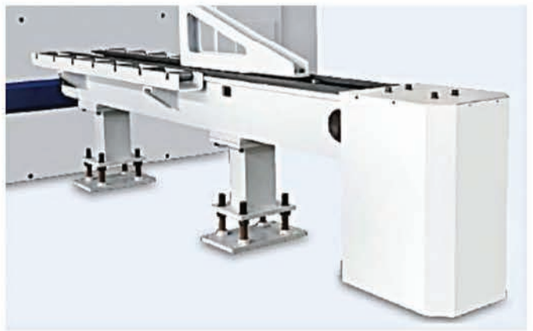
(2) Front Sheet Supports mounted on a linear rail



Additional Options for Material Handling

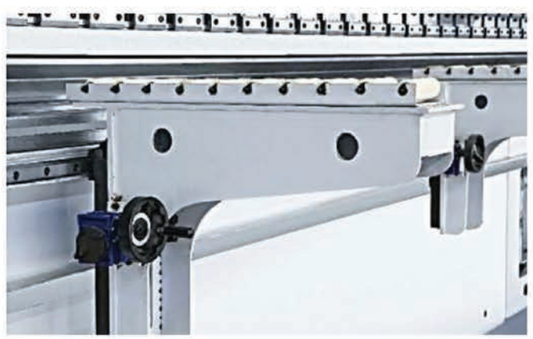
Electric Drive Side Discharge

- Motor and chain driven for easy material removal
- Symmetrical roller structure adjustable via hand wheels to accommodate a wide range of pipe diameters
- Customized lengths available



Electric Drive Front Material Feed

- Motor and chain driven for easy material handling
- High precision movement via a special chain tension structure
- Applicable for bump bending of pipe



Top Roller Front Sheet Supports

- Roller design to prevent scratching or marking of plates
- Adjustable height via hand wheels, moved left and right along a linear guide system

Approximate Pressure in Tons per Linear Foot Required to Make 90° Air Bend on Mild Steel (60,000 PSI Tensile Strength) with Various Width Die Openings

Thickness of Metal		Width of V Die Opening																						
Gauge	Inches	1/4	5/16	3/8	7/16	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	2	2 1/2	3	3 1/2	4	5	6	7	8	10	12
20	.036	3.1	2.3	1.7	1.4	1.1																		
18	.048	5.3	4.0	3.0	2.5	2.2	1.7	1.3																
16	.060	9.6	7.1	5.6	4.5	3.8	2.8	2.2	1.8	1.5														
14	.075		11.9	9.2	7.6	6.3	4.7	3.5	3.0	2.5	2.1	1.8												
12	.105				16.7	13.1	9.7	8.0	6.5	5.6	4.6	4.1	3.2											
11	.120					19.2	14.2	11.1	9.0	7.5	6.3	5.5	4.4	2.9										
10	.135						18.6	14.5	11.9	9.9	8.5	7.3	5.8	4.0										
3/16	.188							27.4	23.1	19.3	16.4	14.3	11.2	7.5	5.7	4.4								
1/4	.250									39.4	33.3	29.5	22.7	15.4	11.4	9.0	7.4	6.1						
5/16	.313											50.4	39.8	27.0	19.7	15.3	12.7	10.5	7.7					
3/8	.375												61.1	42.3	30.9	24.0	19.6	16.3	12.3	9.5				
7/16	.438													61.7	45.8	35.4	28.6	24.4	17.3	14.8	11.2			
1/2	.500													85.2	63.6	48.8	39.7	33.3	24.6	19.4	15.9	13.1		
5/8	.625														110.0	86.2	70.0	58.3	43.1	33.3	27.4	23.3	16.9	
3/4	.750																110.0	93.0	68.7	53.5	43.6	36.5	27.1	21.0
7/8	.875																	137.0	104.0	80.7	64.6	52.9	39.7	31.6
1	1.000																		143.0	113.0	91.2	76.2	56.3	44.2

Suggested die openings for material up to 1/4" is 8 times material thickness

Suggested die openings for materials above 1/4" is 10 times material thickness

Bending pressures for other materials as compared to mild steel on chart are as follows:

- **Soft Brass** – 50% of pressure shown
- **Aluminum Alloys (Heat Treated)** – same as steel
- **Stainless Steel** – 50% more than shown
- **Soft Aluminum** – 50% of pressure shown
- **Chrome Molybdenum** – 100% more than shown

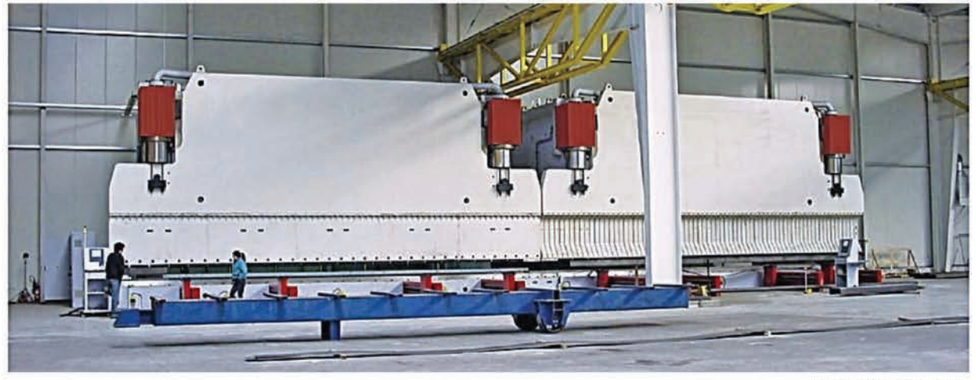
Steels greater than 60,000 PSI require additional tonnage and/or wider die openings

All of the above bending pressures are nominal an represent average conditions. These values are dependent upon the radii of the dies, the yield strength of the material, the temper of the material, direction of grain, etc. Therefore, a safety factor of at least 20% should be added when selecting a press for a given job.

GLOBAL INSTALLATIONS

2-2200 Ton 25'

2750 Ton 42'



2-2750 Ton 42'

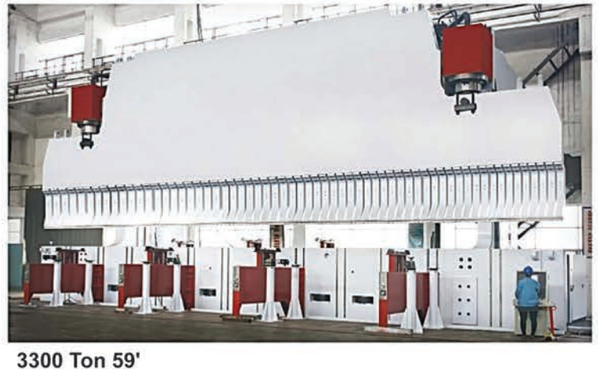
3500 Ton 25'

2750 Ton 26' + 2500 Ton 25'

2200 Ton 39'

2200 Ton 40'

2200 Ton 50'



3300 Ton 59'

TECHNICAL SPECIFICATIONS ALL PRESS BRAKE SERIES

WPH Technical Specifications

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	*Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPH 90-08	90	100.4	84.6	13.7	6.9	15.7	472	33	241	10	60	139 x 57 x 93	14,000
WPH 125-08	125	100.4	84.6	16.1	8.5	17.3	472	33	378	15	80	139 x 60 x 99	18,000
WPH 125-10		122.1	102.5								80	157 x 60 x 103	19,500
WPH 125-13		161.4	141.7								105	197 x 60 x 107	22,500
WPH 180-10	180	122.1	102.5	16.1	8.5	17.3	377	24	330	20	95	160 x 65 x 104	24,000
WPH 180-13		161.4	141.7				401		330		132	197 x 73 x 105	29,000
WPH 180-16		200.8	165.4				283		260		158	230 x 73 x 136	46,500
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WPH 335-16		200.8	165.4								211	230 x 79 x 136	64,000
WPH 335-20		244.1	200.8								237	273 x 79 x 146	77,500

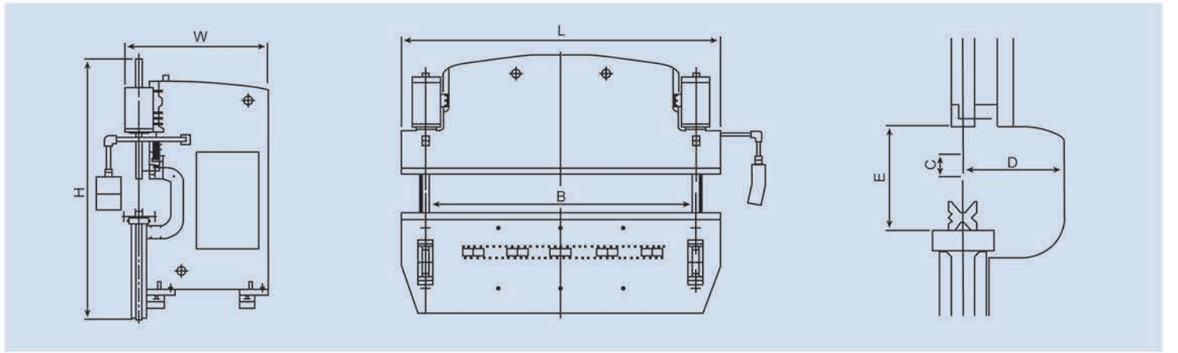
WPA Technical Specifications

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	*Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight (lbs.)
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPA 40-04	40	49.2	37.4	11.8	4.7	17.7	420	37	420	5.5	40	88 x 56 x 85	8,900
WPA 55-06	55	80.7	68.9	13.7	6.9	18.9	420	37	420	7.5	40	110 x 57 x 87	10,500
WPA 90-08	90	100.4	84.6	13.7	6.9	18.9	307	23	260	7.5	40	130 x 57 x 95	11,800

WPE Technical Specifications

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	*Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight (lbs.)
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPE 33-04	33	49.2	39.3	9.8	4.7	13.2	259	47	259	5.5 x (2)	NA	70 x 52 x 87	6,700
WPE 55-06	55	80.7	70.5	9.8	7.8	17.3	472	47	472	12 x (2)	NA	116 x 60 x 98	13,300

*Subtract 3.94" from opening when using supplied box clamps



WPB Technical Specifications

Model	Nominal Pressure	Length of Worktable A	Distance Between Uprights B	Throat Depth D	Ram Stroke C	Opening from Bottom of Ram to Top of Rail E	Ram Speed (Approach-Press-Return)			Motor	Tank Volume	Overall Dimension L x W x H	Weight
	Tons	in	in	in	in	in	in/m	in/m	in/m	HP	Gal.	in	Lbs
WPB 440-13	440	161.4	126.0	20.1	12.4	20.5	260	21	236	40	263	197 x 85 x 141	60,000
WPB 440-16		200.8	165.4								276	230 x 85 x 157	78,500
WPB 440-20		244.1	200.8								316	273 x 85 x 158	95,000
WPB 550-13	550	161.4	126.0	20.1	12.4	20.5	236	21	213	50	276	197 x 87 x 150	73,000
WPB 550-16		200.8	165.4								316	230 x 90 x 169	95,000
WPB 550-20		244.1	200.8								342	273 x 90 x 181	117,000
WPB 550-26		322.8	255.9								342	352 x 90 x 217	168,000
WPB 700-13	700	161.4	126.0	20.1	12.4	24.4	236	21	213	60	316	197 x 96 x 162	101,500
WPB 700-16		200.8	165.4								316	230 x 96 x 170	137,000
WPB 700-20		244.1	200.8								316	273 x 96 x 181	150,000
WPB 700-26		322.8	255.9								395	352 x 96 x 186	187,500
WPB 890-20	890	244.1	200.8	24.0	16.1	28.3	236	21	189	100	395	273 x 118 x 201	196,500
WPB 890-26		322.8	255.9								474	352 x 118 x 217	276,000
WPB 1100-20	1100	244.1	200.8	24.0	16.1	28.3	236	21	189	120	395	273 x 109 x 193	225,000
WPB 1100-26		322.8	255.9								526	352 x 109 x 213	287,000
WPB 1350-20	1350	244.1	200.8	24.0	16.1	28.3	213	19	165	120	421	273 x 116 x 201	243,000
WPB 1350-26		322.8	255.9								553	352 x 116 x 217	326,500
WPB 1350-39		472.4	374.0					19	142		658	498 x 146 x 315	551,500
WPB 1800-26	1800	322.8	255.9	24.0	16.1	28.3	165	17	142	2 x 75	789	352 x 130 x 268	485,500
WPB 1800-39		472.4	374.0	39.4	19.7	49.2	165	17	142	2 x 75	789	498 x 185 x 394	772,000
WPB 2200-39	2200	472.4	374.0	49.2	23.6	63.0	165	17	142	2 x 100	947	498 x 185 x 394	926,000
WPB 2750-39	2750	472.4	374.0	59.1	23.6	74.8	165	14	118	2 x 100	947	498 x 209 x 394	1,080,500
WPB 3300-39	3300	472.4	374.0	59.1	23.6	74.8	165	14	118	2 x 120	1105	498 x 220 x 394	1,323,000

WPS Series

Hydraulic Guillotine Shears

- High Precision Hydraulic Guillotine Shear with 3-point Roller Gib System
- 39" Standard Back Gauge Travel
- Stroke Adjustment, Rake Angle and Blade Gap Adjustment Standard
- Bosch Rexroth Hydraulic System
- High Quality Alloy 2-piece Blades for Long Life
- Piranha (B) Basic Model Available
- Piranha (P) Premium Model Available

Piranha (B) Basic Models

B Model Features

- Estun E21 Control
- Hand Wheel Blade Gap Adjust (Manual)
- Electric Rake Angle Adjust (Manual)
- Leuze Light Curtain/Photocell
- 3 Front Sheet Supports
- Backgauge AC Motor w/Shaft and Chain Drive
- Bosch (Rexroth) Hydraulics

Estun E21S Control

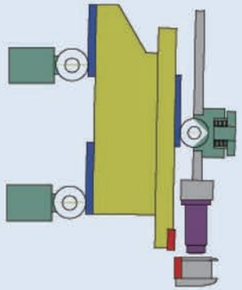
Piranha (P) Premium Models

P Model Features

- Delem DAC-360 Control
- CNC Controlled Blade Gap
- CNC Controlled Rake Angle
- Leuze Light Curtain/ Photocell
- 3 Front Sheet Supports
- Backgauge AC Servo w/Ball Screw
- Bosch (Rexroth) Hydraulics

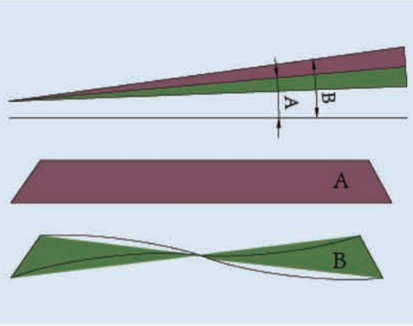
Delem DAC-360 CNC Control

Structural Features



Roller Gib Design

- The roller gib system uses a front mounted disc spring tensioner to ensure the ram maintains contact with the rear rollers for proper alignment every stroke.



Adjustable Rake Angle

- The Adjustable Rake Angle allows for cutting a wide range of material thicknesses while minimizing deformation.
- (B) Basic Model uses Push Button Adjustment
- (P) Premium Model is CNC Controlled

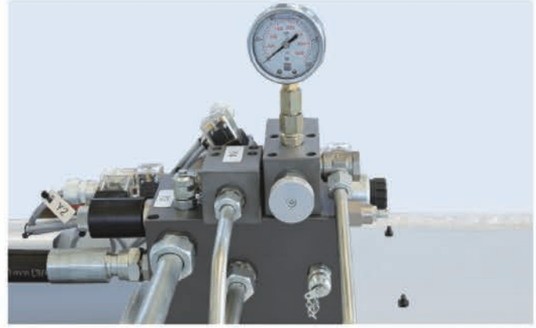
Adjustable cutting clearance

- Adjustable Blade Gap ensures a better cut quality from thin to thick material
- (B) Basic Model is adjusted by a manual hand wheel
- (P) Premium Model is CNC Controlled

Standard configuration

Shear Table with Ball Transfers

- Ball Transfers in the shear table decreases friction and reduces scratching or marring of material



Hydraulic system

- The Bosch Rexroth Hydraulic System with accumulator return reduces working temperature to ensure reliable performance

CNC controller

- (B) Basic Model uses the conventional Estun E21S control
- (P) Premium Model uses the Delem CNC DAC360 control

Optional Items

Extended Squaring Arms

- Optional Sizes are available in 5', 6.5' and 10' Lengths.

Angle Protractor

- Installs in the squaring arm T-slot
- Able to be adjusted at any point along the squaring arm

Extended Depth Back Gauge

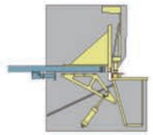
- 48" Back Gauge Available

Technical Specifications

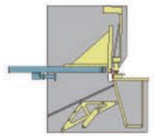
Model	Max. Thick-ness	Max. Cutting Length	Rake Angle	Hold Downs	Strokes/ Min.	Backgauge Travel	Motor HP	Tank Volume Gal.	Length	Width	Height	Weight (lbs.)
WPS .250" x 8'	.250"	98	0.5-2	14	18	.400"-39"	10	66	122	78	81	12,128
WPS .250" x 10'	.250"	120	0.5-2	17	16	.400"-39"	10	66	144	78	81	13,892
WPS .250" x 13'	.250"	159	0.5-2	22	14	.400"-39"	10	66	184	81	86	19,845
WPS .250" x 16'	.250"	197	0.5-2	24	12	.400"-39"	20	172	225	94	98	31,973
WPS .250" x 20'	.250"	240	0.5-2	27	10	.400"-39"	20	172	270	98	104	44,762
WPS .3125" x 10'	.3125"	120	0.5-2	17	13	.400"-39"	15	84	145	80	83	16,317
WPS .3125" x 13'	.3125"	159	0.5-2	22	11	.400"-39"	20	84	184	82	87	23,814
WPS .3125" x 16'	.3125"	197	0.5-2	24	13	.400"-39"	30	172	227	95	100	39,690
WPS .3125" x 20'	.3125"	240	0.5-2	27	11	.400"-39"	30	172	270	98	104	49,613
WPS .3125" x 26'	.3125"	319	0.5-2	30	10	.400"-39"	40	264	353	106	112	97,461
WPS .375" x 13'	.375"	159	0.5-2	18	11	.400"-39"	30	172	188	91	94	28,665
WPS .500" x 8'	.500"	98	0.5-2.5	12	11	.400"-39"	30	172	128	90	102	19,845
WPS .500" x 10'	.500"	120	0.5-2.5	14	10	.400"-39"	30	172	149	90	93	22,050
WPS .500" x 13'	.500"	159	0.5-2.5	18	9	.400"-39"	40	172	189	93	98	33,516
WPS .500" x 16'	.500"	197	0.5-2.5	22	8	.400"-39"	40	172	231	94	102	52,920
WPS .500" x 20'	.500"	240	0.5-2.5	26	6	.400"-39"	40	264	274	98	114	72,765
WPS .500" x 23'	.500"	280	0.5-2.5	31	5	.400"-39"	50	290	313	102	124	99,225
WPS .500" x 26'	.500"	319	0.5-2.5	36	5	.400"-39"	50	290	353	106	136	176,400
WPS .625" x 8'	.625"	98	0.5-2.5	12	10	.400"-39"	30	172	129	93	106	25,358
WPS .625" x 10'	.625"	120	0.5-2.5	14	9	.400"-39"	30	172	149	93	96	28,224
WPS .625" x 13'	.625"	159	0.5-2.5	18	8	.400"-39"	40	172	190	94	99	39,690
WPS .625" x 16'	.625"	197	0.5-2.5	26	6	.400"-39"	50	264	231	98	114	67,253
WPS .625" x 20'	.625"	240	0.5-2.5	31	5	.400"-39"	50	264	275	100	118	85,995
WPS .625" x 26'	.625"	319	0.5-2.5	36	5	.400"-39"	60	290	354	106	138	155,453
WPS .750" x 8'	.750"	98	0.5-2.5	13	7	.400"-39"	40	172	136	93	112	32,193
WPS .750" x 10'	.750"	120	0.5-2.5	16	7	.400"-39"	40	172	157	93	98	35,721
WPS .750" x 13'	.750"	159	0.5-2.5	20	7	.400"-39"	50	211	205	98	118	61,740
WPS .750" x 16'	.750"	197	0.5-2.5	24	6	.400"-39"	75	290	236	106	132	97,020
WPS .750" x 20'	.750"	240	0.5-2.5	27	5	.400"-39"	75	290	280	110	136	121,275
WPS 1.000" x 8'	1.000"	98	0.5-2.5	13	6	.400"-39"	60	264	138	94	122	48,510
WPS 1.000" x 10'	1.000"	120	0.5-2.5	16	6	.400"-39"	60	264	163	96	126	52,920
WPS 1.000" x 13'	1.000"	159	0.5-2.5	20	4	.400"-39"	75	396	199	98	118	84,893
WPS 1.125" x 10'	1.125"	120	0.5-3.5	16	4	.400"-39"	75	290	167	104	119	73,427

Pneumatic Support Options

Positioning Pneumatic Sheet Support
Available on models 5/16" x 13' and smaller

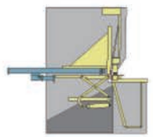


First step: During Gauging

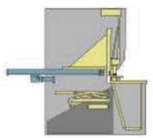


Second step: During Part Drop

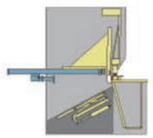
Combined Pneumatic Sheet Support
Available on models 5/16" x 13' and smaller



Step one: During Gauging



Step two: During Shearing

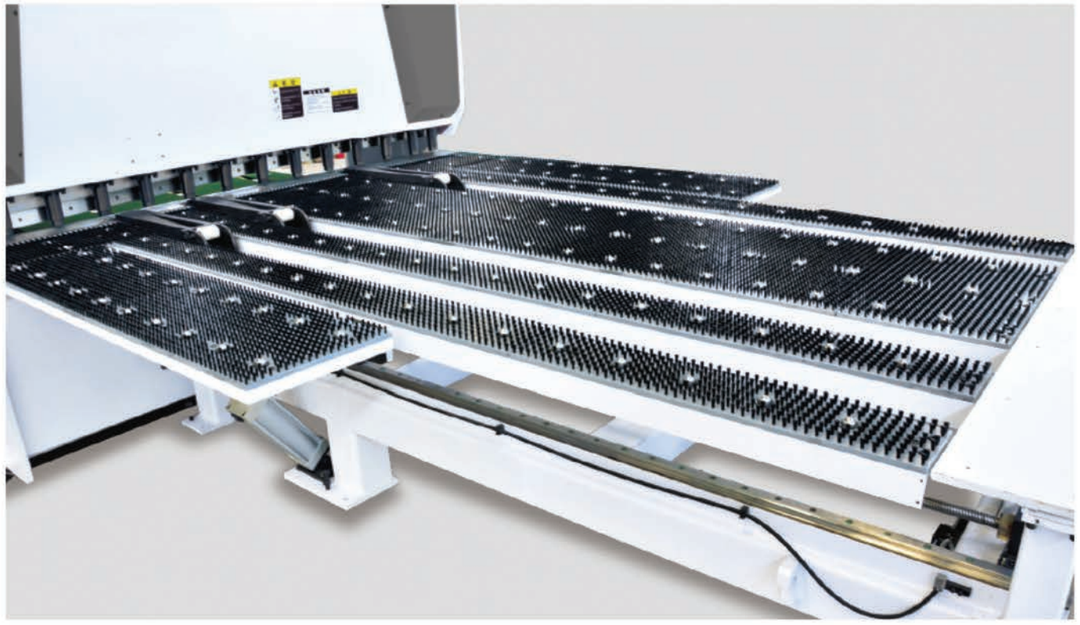


Step three: During Part Drop

Rear Conveyor Option

- Sheared Material is conveyed safely beyond the moving backgauge
- Polyurethane conveyor belts reduces material scratching
- Reduces the noise of the material dropping
- Includes the Positioning Pneumatic Sheet Support
- Equipped with industrial casters for easy removal for maintenance and clean up
- Available on models 5/16" x 13' and smaller

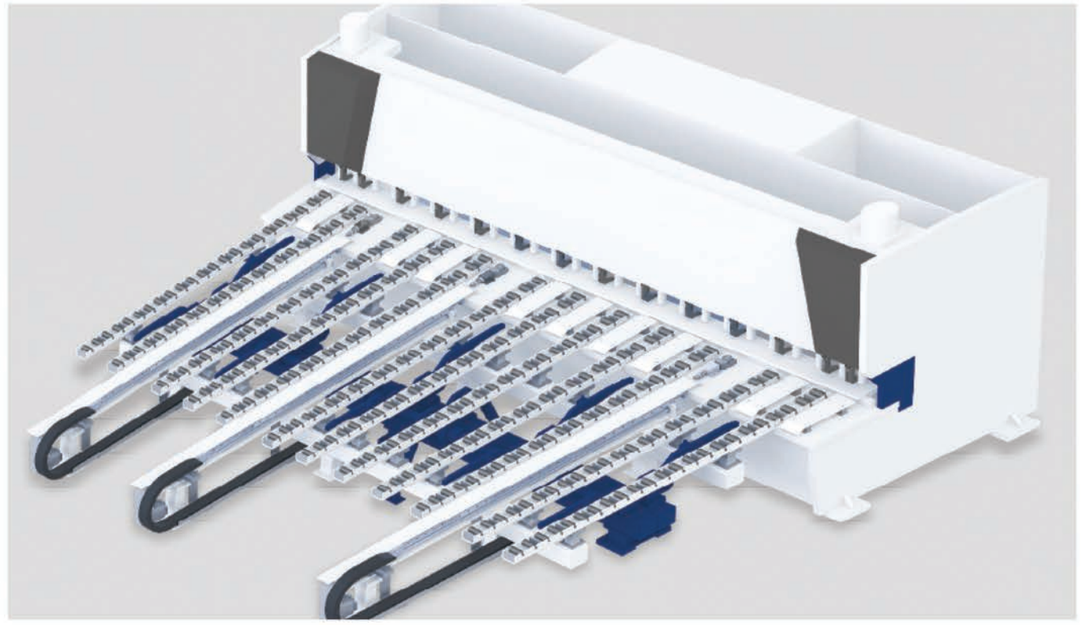
Powered Front Feeding System Option



Specifications	
Max. Stroke	98"
Positioning Precision	.004"
Min. Scrap Length	4"
Min. Cutting Width	18"
# of Clamps	3
Motor Power	3HP

- Double Ball Screw Drive with Linear Guides
- Brush Table Design with Ball Transfers to help protect the material surface
- Pneumatic clamps are positioned parallel with the table for material loading convenience
- Guides Wheels are located in front of the hold down cylinders to protect them from damage when feeding material
- Left and Right Table Sides can be lowered for manual shearing

Heavy Duty Powered Front Feeding System Option



Specifications	
Max. Stroke	118"
Positioning Precision	.004"
Min. Scrap Length	14"
Min. Cutting Width	65"
# of Clamps	3
Motor Power	3HP x 3

- Double Ball Screw Drive with Linear Guides
- Roller feed table for easy plate movement
- Hydraulic clamps provide for better clamping force
- Guides Wheels are located in front of the hold down cylinders to protect them from damage when feeding material

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