

H FRAME CROSS SHAFT PRESS

PRESSMAX

HIGH
PERFORMANCE
SHEET METAL
WORKING



PXH1 & PXH2

S E R I E S

www.pressmaxpresses.com

ENGINEERING
PRECISION.
DELIVERING
PERFORMANCE
SINCE
1993



Pressmax Machine Tools Pvt. Ltd., Found in 1993 has built a strong reputation in the field of precision press and machine tools solutions. Backed by the expertise of industry veteran **Mr. Vijay Kaushik**, an ex-HMT **Design engineer**, the company delivers high-performance solutions tailored for automotive, stamping, lamination, electrical appliance, and metal forming industries.

With a strong focus on quality, innovation, and customer commitment, PRESSMAX delivers high-performance press solutions through advanced manufacturing, precision engineering, and decades of industry expertise. The company continues to earn customer trust through reliability, efficiency, and consistent excellence.

STANDARD ACCESSORIES

- Motorised Slide Adjustment
- Pneumatic Clutch & Brake
- Hydraulic Overload Protection
- Shut Height Indicator
- Automatic Recirculating Oil Lubrication
- Operator Panel With PLC With 7"HMI
- Two-Hand Push Button Station
- Pneumatic Counter Balancer Cylinders
- Rotary Cam Limit Switches
- Emergency Stop Buttons
- Dual Solenoid Valve
- Production Counter
- Anti-Repeat Safety Device



OPTIONAL ACCESSORIES

- Pneumatic Die Cushion
- Tonnage Monitor
- Quick Die Change System
- Auto Coil Feeding System
- Anti-Vibration Mount Pads
- Variable Speed Motor Drive
- Photo Electric Safety Guards
- Foot Switch
- Knockout Device

FEATURES

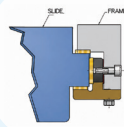
Press Frames

The PXH Series press frames are manufactured using high tensile steel plates designed to deliver exceptional rigidity, strength, and long operational life. The robust frame construction minimizes deflection and deformation under heavy load conditions, ensuring superior accuracy, consistent press performance, & reduced die maintenance during continuous production cycles.



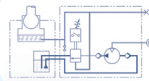
Slide and Guide

The PXH Series is equipped with a heavy-duty cast iron slide engineered for stable and vibration-free operation. The precision-guided slide system ensures smooth movement, enhanced Bottom Dead Center (BDC) accuracy, improved die alignment, and extended tooling life for high-performance applications.



Hydraulic Overload Protector

An advanced hydraulic overload protection system safeguards both the press and tooling against overload conditions. In case of excessive pressure, the system instantly stops machine operation, preventing damage while enabling quick and convenient restoration for uninterrupted productivity.



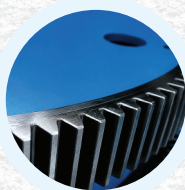
Electrical Control System

The PXH Series features a PLC-based electrical control panel designed for simple, reliable, and efficient machine operation. The user-friendly interface ensures precise control, stable performance, and dependable functionality during demanding industrial applications.



High Precision Transmission Gear Duly Ground

The high accurately machined gear system provides smooth and silent operation.



Clutch and Brake

The PXH Series incorporates a dynamically balanced clutch and brake system that delivers smooth, shock-free strokes with reduced noise levels. The heavy-duty design ensures reliable performance, easy accessibility, and simplified maintenance for long-term operation.



FEATURES

Lubrication System

The presses are equipped with an automatic lubrication system that ensures a controlled and consistent supply of lubricant to all critical components. This enhances operational smoothness, reduces wear, and increases machine reliability and service life.



High Quality Drive Components

Forged alloy carbon steel crankshaft, steel casted gear, dynamically balanced flywheel and clutch ensure precise transmission.



Shut Height Indicator

A precision shut height adjustment mechanism enables quick and accurate tool setting, improving operational efficiency and minimizing setup time. For higher-capacity presses, motorized slide adjustment is provided for convenient and precise operation.



A motorized slide adjustment system is provided with an imported brake motor operated through push-button controls. This ensures quick, easy, and precise tool setting for enhanced productivity.

Die Cushion (Optional): The optional pneumatic bellow-type suspended die cushion ensures smooth and reliable operation with reduced maintenance costs and quick response performance.

Quick Die Changing System (Optional): The optional quick die changing system minimizes machine downtime during die replacement, significantly improving productivity and streamlining the overall production process.

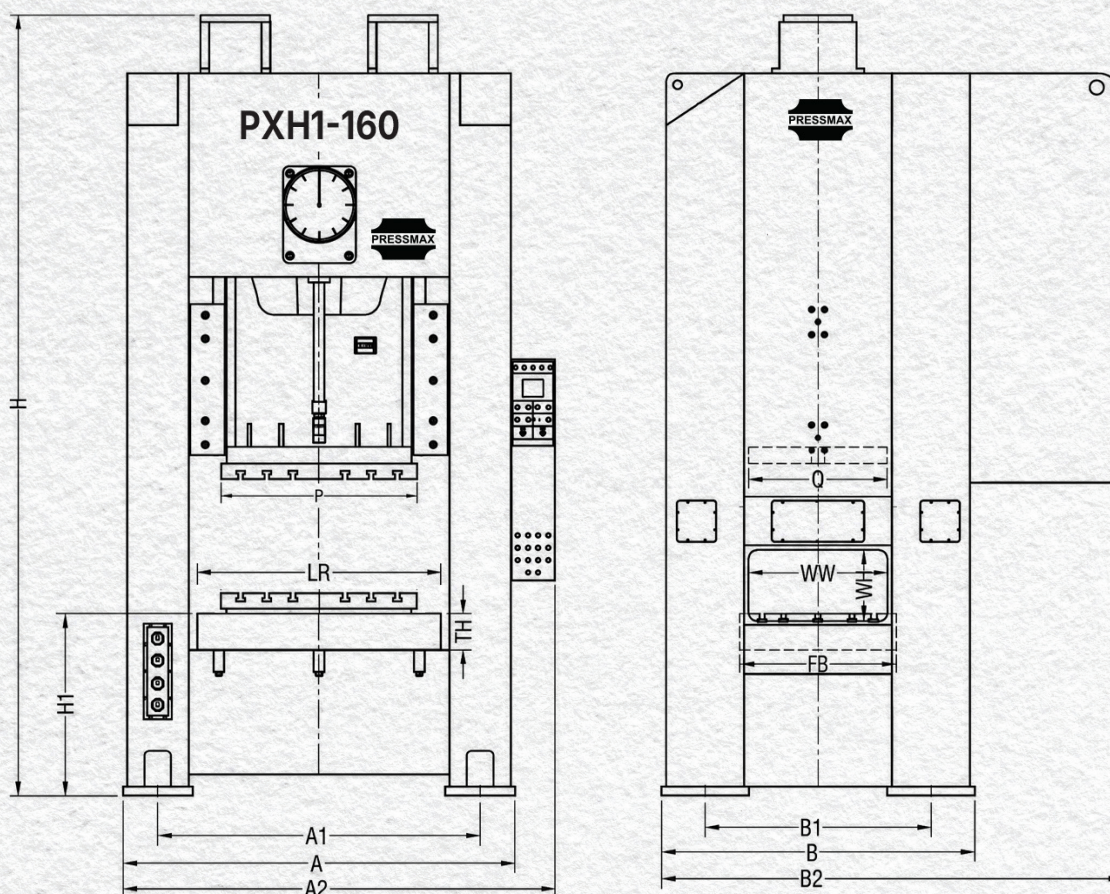


H FRAME CROSS SHAFT SINGLE POINT PRESS

PXH1 Series

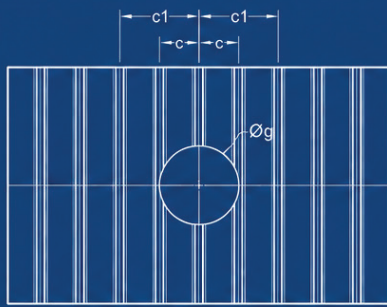


H Frame Cross Shaft Single Point Press

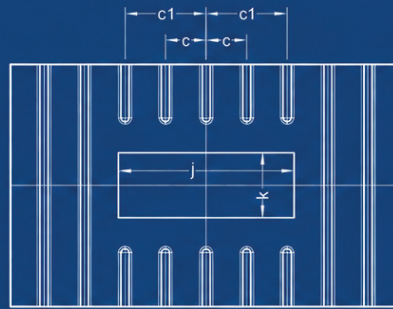


Main Specifications of PXH1 Series

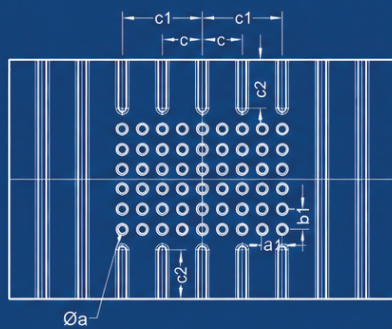
Description	PXH1-110		PXH1-160		PXH1-200		PXH1-250		PXH1-315		PXH1-400		PXH1-500		PXH1-600	
	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST
Capacity (Ton)	110		160		200		250		300		400		500		600	
Fix Stroke (ST) MM	70	125	80	160	90	200	100	220	100	220	100	250	100	250	100	250
SPM Fix	-	50	-	40	-	35	-	30	-	25	-	22	-	22	-	18
Variable	60-120	35-60	50-100	35-50	40-80	25-45	30-70	25-40	25-60	20-30		18-25		18-22	18-22	18-22
Rating Point	3	5	3.5	6	3.5	6	4	6	4	6	5	7	5	7	5	7
Shut Height (SH)	360		450		500		500		550		550		600		600	
Slide Adjustment	90		100		120		120		120		120		120		120	
Slide Area (PxQ)	650x520		720x580		800x680		900x800		1000x800		1200x850		1300x1000		1300x1000	
Shank Bore (Ø)	63		65		80		80		80		80		80		80	
Bolster Area (LRxFB)	1000x680		1150x760		1200x840		1350x900		1350x900		1400x1000		1500x1200		1500x1200	
Bolster Thickness (TH)	140		165		180		180		200		220		220		220	
Slide Opening(WWXWH)	500x300		550x350		600x400		700x400		800x450		800x450		800x450		800x450	
Bolster HT (H1)	900		900		1000		1000		1050		1050		1100		1100	
Foot Size (AxB)	1450x1530		1600x1840		1810x1985		1860x2240		2250x1800		2350x1800		2550x3000		2550x3000	
Over All (A2xB2xH)	1600x1830x2950		1750x2135x3235		1970x2250x3685		2020x2540x3775		2400x2650x4800		2500x2700x5000		2700x4000x5350		2700x4000x5350	
Main Motor/Variable	10x4/15x4		15x4/20x4		20x4/25x4		25x4/30x4		30x4/40x4		40x4/50x4		40x4/50x4		60x4/75x4	
Anchor Bolt (A1xB1)	1250x1230		1350x1510		1510x1600		1560x1850		1850x1300		1950x1300		2100x2525		2100x2525	
Die Cushion Capacity	8		10		14		14		25		30		50		50	
Die Cushion Stroke	70		90		110		110		120		140		140		140	
Die Cushion Pad Area	500x275		500x275		650x420		650x420		640x420		800x500		950x650		950x650	



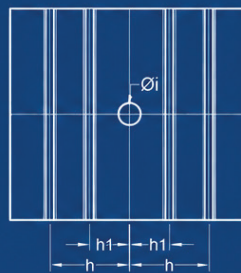
BOLSTER STANDERD



BOLSTER WITH RECTANGULAR OPENING



BOLSTER WITH DIE CUSHION



SLIDE SURFACE



DETAIL OF 'T' SLOT

	A	B
P	22 ^{+0.5} ₀	28 ^{+0.5} ₀
Q	37 ⁺³ ₀	46 ⁺⁴ ₀
R	18 ^{+2.0} ₀	22 ^{+2.0} ₀
S	19 ^{+1.0} ₋	23 ^{+1.0} ₋

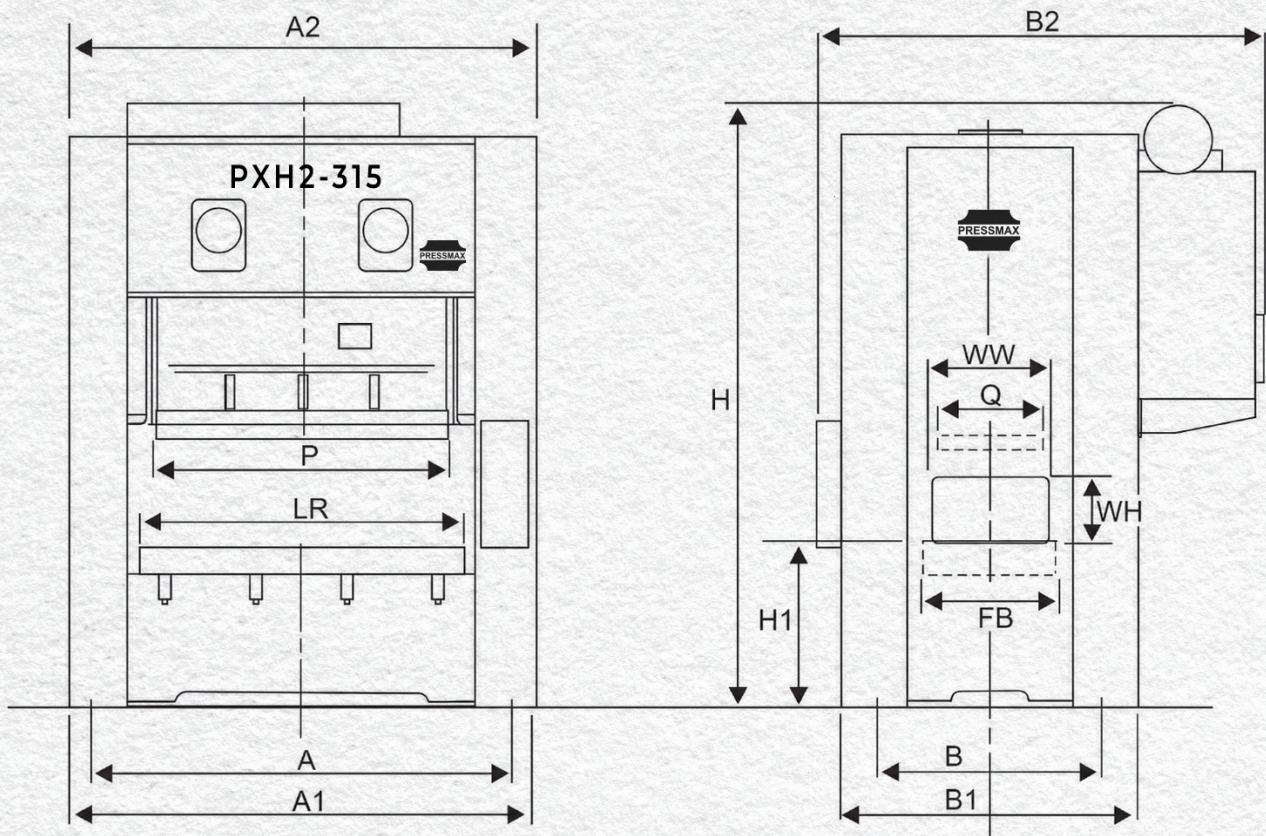
Model	PXH1-110	PXH1-160	PXH1-200	PXH1-250	PXH1-315	PXH1-400	PXH1-500	PXH1-600
a1 x b1	75x75	75x75	75x75	75x75	75x75	75x75	75x75	75x75
a	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32	Ø32
c	150	150	150	150	150	150	150	150
c1	300	300	300	300	300	300	300	300
c2	150	175	170	175	200	175	225	225
g	Ø180	Ø225	Ø250	Ø300	Ø300	Ø300	Ø300	Ø300
j	360	500	500	650	650	650	650	650
k	180	200	220	240	240	240	240	240
h1	150	150	150	150	150	150	150	150
h	300	300	300	300	300	300	300	300
i	Ø63	Ø63	Ø80	Ø80	Ø80	Ø80	Ø80	Ø80
t	B	B	B	B	B	B	B	B

H FRAME CROSS SHAFT **TWO POINT PRESS**

PXH2 Series



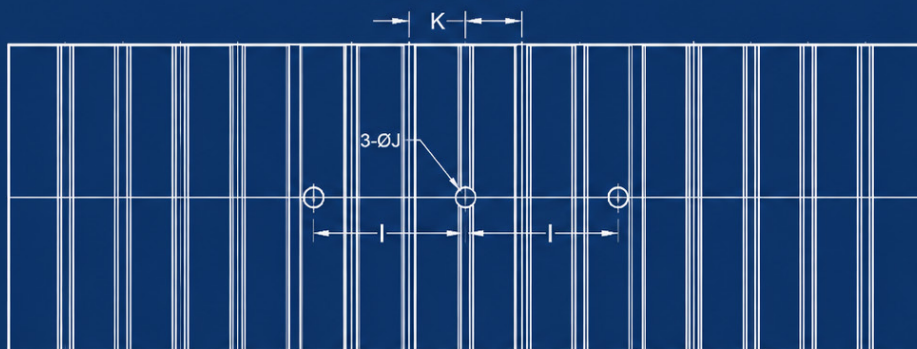
H Frame Cross Shaft Two Point Press



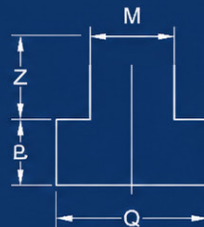
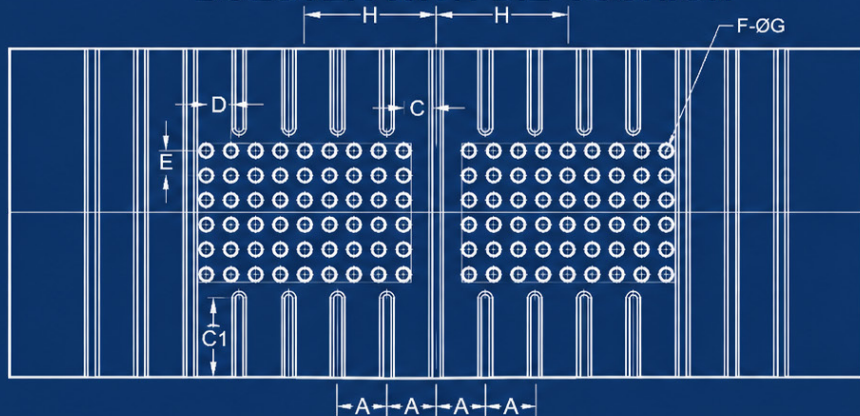
Main Specifications of PXH2 Series

Description		PXH2-160	PXH2-200	PXH2-250	PXH2-315	PXH2-400	PXH2-500	PXH2-600
Capacity	Tonne	160T	200T	250T	315T	400T	500T	160T
Stroke Length (SL)	MM	160	200	220	250	250	300	300
Speed	SPM	40	35	30	25	20	20	20
Rated Distance	MM	6	6	6	7	7	7	7
Bolester Area (LRxFB)	MM	1800x760	2150x840	2400x900	2650x1000	2600x1000	2600x1200	2600x1200
Bolester Thickness (TH)	MM	160	170	180	200	220	220	220
Shut Height (SH)	MM	450	500	500	550	550	600	600
Slide Area (PxQ)	MM	1500x580	1850x650	2100x700	2400x800	2400x800	2500x1000	2500x1000
Slide Adjustment	MM	100	110	120	130	130	130	130
WINDOW IN UPRIGHT (WW X WH)	MM	600x320	700x350	800x350	900x400	900x400	900x500	900x500
Main Motor	HP	20	25	30	40	50	50	60
Floor To Bolster (H1)	MM	900	1000	1000	1100	1100	1200	1200
Anchor Bolt Size (AxB)	MM	2270x1300	2600x1400	2900x1500	3260x1600	3300x1700	3400x1500	3400x1500
Foot Size (A1 x B1)	MM	2550x1650	2900x1750	3200x1850	3500x1950	3500x2050	3850x2000	3850x2000
Over All Space (A2 x B2)	MM	2550x2350	2900x2550	3200x2700	3500x2850	3500x2950	3850x2825	3850x2825
Overall Height (H)	MM	3210	3700	4000	4300	4300	5000	5000
Die Cushion Capacity	Tonne	8x2	10x2	14x2	14x2	14x2	25x2	25x2
Stroke	MM	90	110	120	130	130	160	160
Pad Area	MM	500x275x2	650x420x2	650x420x2	650x420x2	650x420x2	650x420x2	650x420x2

SLIDE SURFACE



BOLSTER WITH DIE CUSHION



DETAIL OF 'T' SLOT

[illegible]

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