



C FRAME CROSS SHAFT POWER PRESS

HIGH PERFORMANCE SHEET
METAL WORKING



PMX1-35~250

PMX1 Series

RIGIDITY | PRECISION | RELIABILITY

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

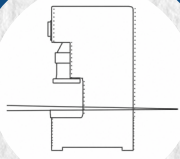
- Motorised Slide Adjustment (PMX1-63T & ABOVE)
- Pneumatic Clutch & Brake
- Hydraulic Overload Protection
- Shut Height Indicator
- Automatic Recirculating Oil Lubrication
- Operator Panel With PLC With 7"HMI
- Two-Hand Push Button Station
- Pneumatic Counter Balancer Cylinders
- Rotary Cam Limit Switches
- Emergency Stop Buttons
- Dual Solenoid Valve
- Production Counter
- Anti-Repeat Safety Device



OPTIONAL ACCESSORIES

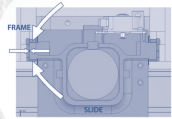
- Pneumatic Die Cushion
- Tonnage Monitor
- Quick Die Change System
- Auto Coil Feeding System
- Anti-Vibration Mount Pads
- Variable Speed Motor Drive
- Plunger Guided Arrangement
- Photo Electric Safety Guards
- Foot Switch
- Knockout Device

FEATURES



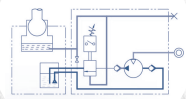
The PMX Series press frames are manufactured using high tensile steel plates designed to deliver exceptional rigidity, strength, and long operational life. The robust frame construction minimizes deflection and deformation under heavy load conditions, ensuring superior accuracy, consistent press performance,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

01



Slide and Guide: The PMX 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.

02



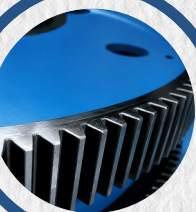
Hydraulic Overload Protector: An advanced hydraulic overload protection system safeguards both the press and tooling against overload conditions. In case of excessive pressure, the system instantly stops machine operation, preventing damage while enabling quick and convenient restoration for uninterrupted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

03



Electrical Control System: The PMX 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.

04



High Precision Transmission Gear Duly Ground: The high accurately machined gear system provides smooth and silent operation.

05

FEATURES



Clutch and Brake: The PMX 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.

06



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

07



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.

08



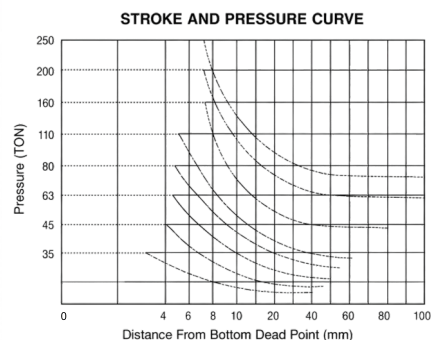
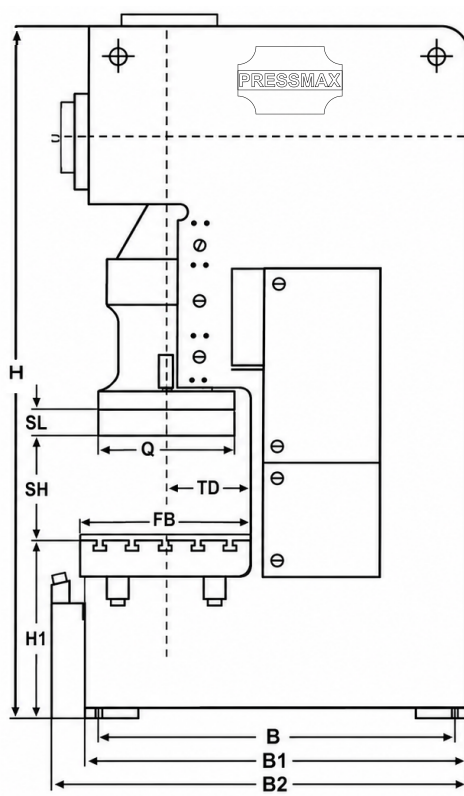
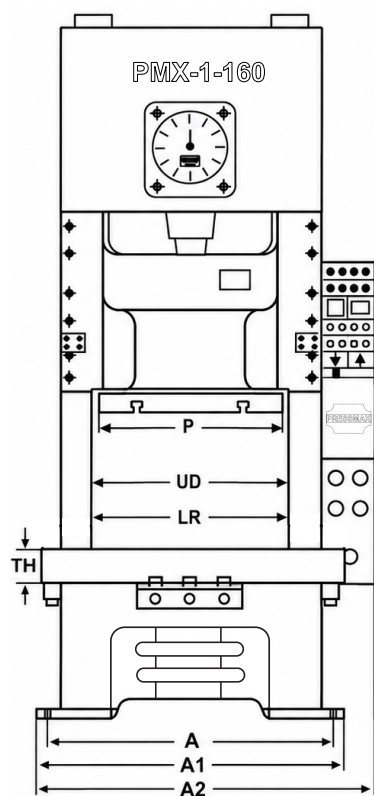
High Quality Crank Shaft: Forged alloy carbon steel crankshaft, steel casted gear, dynamically balanced flywheel and clutch ensure precise transmission.

09

For presses above 63T tons, 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.

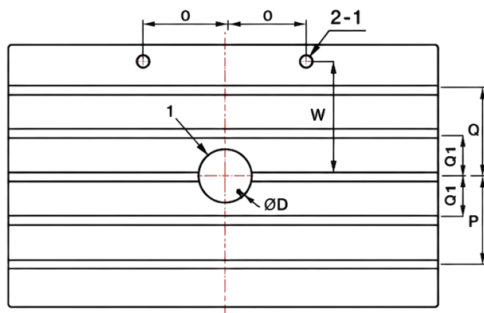
Quick Die Changing System (Optional): The optional quick die changing system minimizes machine downtime during die replacement, significantly improving productivity and streamlining the overall production process.



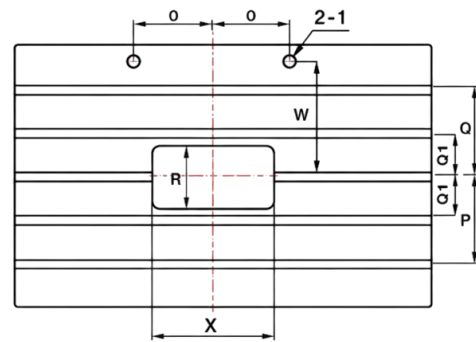
RATING POINT

MODEL	STROKE (MM)	TONNAGE RATING POINT (MM)
PMX-1-35	90	3.2
PMX-1-45	110	3.2
PMX-1-63	130	4
PMX-1-80	150	4.5
PMX-1-110	160	5
PMX-1-160	200	6
PMX-1-200	220	6
PMX-1-250	250	6

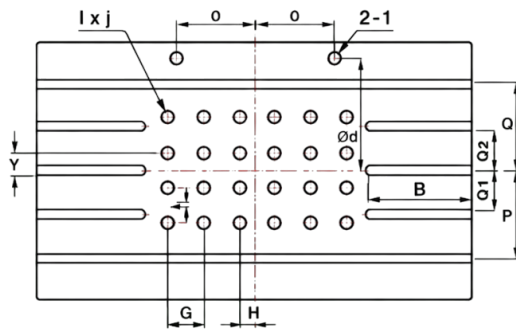
MODEL		PMX1-35		PMX1-45		PMX1-63		PMX1-80		PMX1-110		PMX1-160		PMX1-200		PMX1-250	
		HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST	HT	ST
CAPACITY		35T		45T		63T		80T		110T		160T		200T		250T	
STROKE LENGTH FIXED (SL)		40	90	50	110	50	130	60	150	70	160	80	200	90	220	100	250
STROKE LENGTH VARIABLE (SL)	MM	-	8-80	-	8-90	-	8-100	-	8-100	-	8-125	-	20-200	-	-	-	-
SPEED FIXED	SPM	-	80	-	70	-	70	-	60	-	60	-	50	-	40	-	30
SPEED VARIABLE	SPM	70-120	60-90	80-160	60-80	70-150	40-70	60-130	40-70	60-120	35-60	50-100	30-50	40-80	25-45	30-70	25-40
RATED DISTANCE	MM	2.5	3.2	2.5	3.2	2.6	4	3	4.5	3	5	3.5	6	3.5	6	4	6
BOLSTER AREA (LRXFB)	MM	780x400		840x450		900x520		1050x600		1150x680		1250x760		1400x840		1450x900	
BOLSTER THICKNESS (TH)	MM	85		110		120		130		140		165		180		180	
SHUT HEIGHT(SH)	MM	250		270		330		360		450		550		550		600	
SLIDE AREA	MM	380x300		430x350		480x400		560x460		650x520		720x580		800x580		900x800	
SLIDE ADJUSTMENT	MM	50		60		75		75		90		100		120		120	
THROAT DEPT (TD)	MM	210		235		270		310		350		390		435		485	
UPRIGHT DISTANCE (UD)	MM	490		530		570		600		670		770		920		940	
MAIN MOTOR FIX	HP	3		5		7.5		10		10		15		20		25	
FLOOR TO BOLSTER (H1)		800		800		900		900		900		900		1000		1000	
FOOT SIZE (A1XB1)	MM	830X1150		890X1290		950X1400		1050X1480		1160X1680		1300X1985		1480X2140		1550X2390	
ANCHOR BOLT DISTANCE	MM	730X950		790X1095		850X1150		950X1230		1060X1380		1180X1655		1360X1755		1430X2000	
OVERALL SPACE (WXLXH)	MM	1000X1260X2140		1060X1400X2400		1130X1500X2570		1330X1700X2785		1310X1830X2945		1450X2135X3235		1620X2270X3685		1680X2540X3775	
PNEUMATIC DUE CUSHION (OPTIONAL)	TONNAGE	3.5		3.5		6		6		8		10		14		14	
	STROKE	50		50		70		70		90		100		120		120	
	PAD AREA	300*210		300*210		380*260		410*260		480*300		540*340		640*440		640*440s	



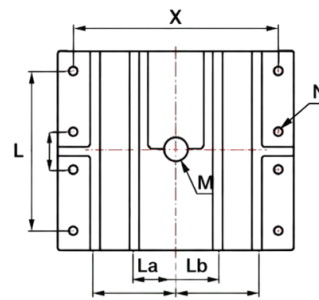
BOLSTER (NDC)



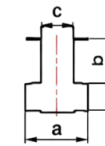
BOLSTER



BOLSTER (DC)



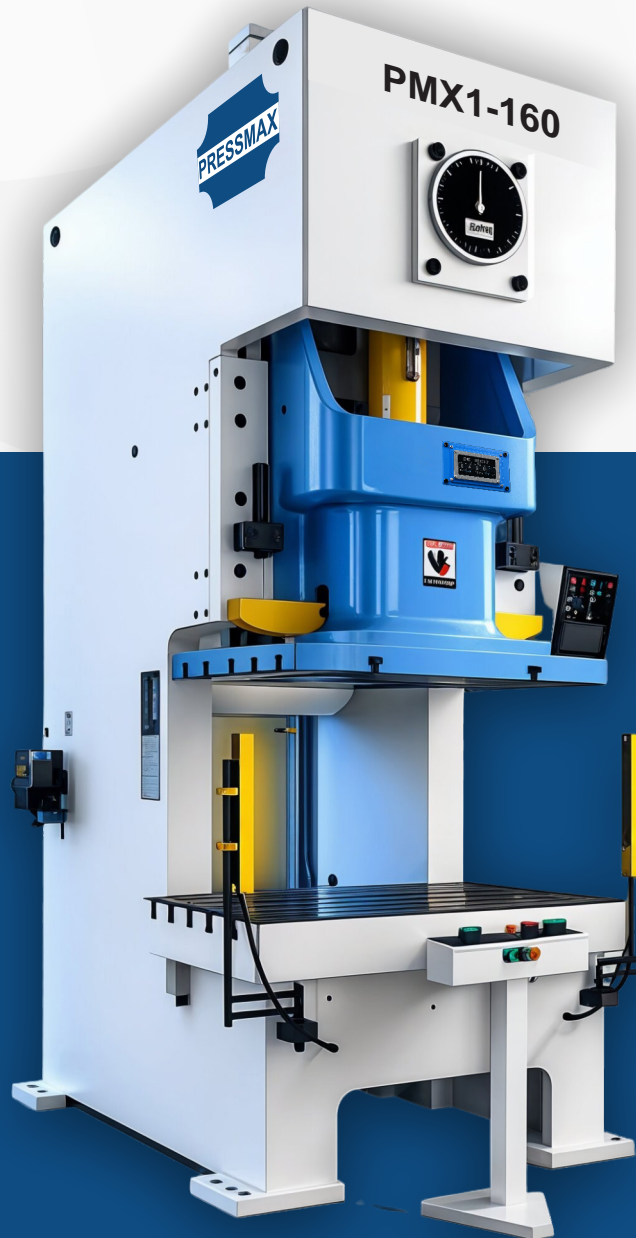
SLIDE FACE



T-SLOT

MODEL	PMX1-35	PMX1-45	PMX1-63	PMX1-80	SNX1-110	PMX1-160	PMX1-200	PMX1-250
a	130	140	150	180	180	260	300	320
a1	--	--	--	--	--	160	170	180
b	125	140	150	180	210	290	320	320
b1	--	--	--	--	--	165	180	200
c	130	150	150	150	200	200	200	200
d	170	185	200	250	300	340	380	410
e	210	220	250	270	280	290	320	320
f	Ø110	Ø130	Ø150	Ø180	Ø140	Ø220	Ø250	Ø270
g	65	75	75	75	90	100	100	100
h	90	100	100	100	90	100	100	100
I (R.Lx FB)	5x3	5x3	5x3	5x3	6x4	6x4	7x5	7x5
j	Ø26	Ø26	Ø26	Ø26	Ø30	Ø32	Ø32	Ø32
k	220	260	300	360	400	440	500	540
l	110	130	150	180	200	220	250	270
m	Ø50.8	Ø50.8	Ø50.8	Ø50.8	Ø63	Ø65	Ø80	Ø80
n	18	22	22	28	28	28	28	28
p	22	27	27	28	28	28	28	28
q	14	18	18	22	22	22	22	22
r	--	--	--	--	--	480	550	--
s	32	40	40	50	50	50	50	50
t	Ø26	Ø26	Ø26	Ø26	Ø30	Ø30	Ø30	Ø30
u	--	--	--	--	45	50	--	--
v	--	--	--	--	45	--	--	--
x	340	370	400	480	560	630	750	--
y	70	80	90	90	100	130	140	--
z	4-Ø18	4-Ø18	4-Ø18	4-Ø18	4-Ø22.5	8-Ø22.5	8-Ø23	--

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