

BOXX PRESSES 博信机械



Straight Sided Double Crank Power Presses - Model HM2 & H2

Raybould Machine Tools Ltd

web: www.raybould.com e-mail: slr@raybould.com

tel: 01384 565997

THE BOXIN HM2 & H2 RANGE



The Boxin HM2 & H2 range are a high strength mono block construction power press with stress-relieved welded steel frames and a heavy duty drive gear that runs in a self-contained oil bath thus reducing wear. The crankshafts are manufactured from a forging that is machined and ground rated at 150% overload to provide a higher energy rating.

The HM2 & M2 design is ideally suited to heavier tonnage applications where a rigid frame and tool stability are required. With two point suspension adding to the extra accuracy for production.

The OMPI Hi Torque low noise combination dry clutch & brake operates in conjunction with a Ross dual safety solenoid valve together with a Mitsubishi plc control, PILZ safety monitoring and user friendly touchscreen operator HMI.

With hydraulic overload protection, variable speed drive, automatic lubrication systems and a centralised maintenance centre built into the main operator panel the HM2 & H2 are a highly versatile and productive range of power presses.

STANDARD FEATURES



CE Approved

Robust mono-block fabricated steel frame

Frames are stress relieved after welding

Two point ram suspension

Drive gears run in self-contained oil bath

Forged & machined crankshafts are rated for 150% capacity

Motorised slide adjustment with die height readout

Adjustable six & eight-point full length machined slide guides

T-Slotted bolster & slide for die clamping

Inverter variable speed drive

Ross DM Series dual safety solenoid valve

Hi Torque low noise OMPI combination dry clutch & brake (Wet clutch available as an option)

Mitsubishi PLC Control with HMI

PILZ safety monitoring

Rotary encoder with spare channels

Brake monitor

User friendly operator controls

Pendant or Floor mounted main operator panel

Additional Space in the MOP

Mobile T-Stand twin push button operator station

Automatic lubrication system

Hydraulic Overload Protection System (H.O.L.P.)

Air balanced slide

Adjustable safety die block electrically interlocked

Flywheel brake for quick stopping of the flywheel

allowing safe and quick entry to the tool area

Automatic lubrication system

Electrically monitored lubrication distribution blocks

Bijur automatic air-counter balance oiling system

Air ejector

Air receptacle

Air pressure switch monitored at control

Air counter balance cylinders for upper die weight

Pre-cut counter

Pre-set counter

Die light

Anti vibration press mounts

BUILD QUALITY

BUILT TO JIS1 STANDARD



**MONOBLOCK
FRAME**



**FORGED,
MACHINED &
GROUND
CRANKSHAFT**



**HYDRAULIC
OVERLOAD
PROTECTION**



**IN-HOUSE
MACHINING**

Every Boxin Press is built to meet or exceed JIS 1st Class standards. JIS 1st Class represents the most exacting and demanding industrial manufacturing standard in the world. Machines that meet these strict guidelines must pass a rigorous inspection with hundreds of designated benchmarks for materials and operation. The adherence to JIS 1st Class represents a commitment to building the best metal forming presses in the world; constantly seeking new ways in the development of ever higher standards of reliability and quality.

HM2 & H2 SPECIFICATION

AVAILABLE FROM 110 TO 1800 TONS

BOKH PRESSES H2-300

机种Machine type		H2-110		H2-160		H2-200		H2-250	
型式MODEL		S	H	S	H	S	H	S	H
公称能力Capacity	Tons	110		160		200		250	
能力发生点Rated tonnage point	mm	5	3	6	3	6	3	7	3
行程长Stroke Length	mm	180	110	180	130	250	150	280	170
行程数Stroke Per Minute	SPM	35~65	50~100	30~55	40~85	20~50	35~70	20~40	30~60
最大模高Die height(S.D.A.U)	mm	400	400	450	400	500	450	550	450
滑块调整量Slide adjustment	mm	100		100		120		120	
滑块面积Slide area(LR×FB)	mm	1400×500×70		1600×650×70		1850×750×95		A	2100×800×95
								B	2400×800×95
台盘面积Bolster area(LR×FB)	mm	1600×650×130		1800×760×150		2200×940×160		A	2500×900×160
								B	2800×900×160
侧向开口Side opening	mm	500×400		600×450		700×600		750×600	
主马达Main Motor	kw×P	7.5×4		11×4		15×4		18.5×4	
滑块调整马达	HP×P	1×4		1×4		2×4		2×4	
最大上模重量Max.upper die weight	kg	1000		1200		1500		2200	
模垫能力Die cushion capacity	Tons	3.6×2		6.3×2		10×2		14×2	
供给空气The pressure of air supply	Kg/cm ²	6		6		6		6	

机种Machine type		H2-300		H2-400		H2-500		H2-600	
型式MODEL		S	H	S	H	S	H	S	H
公称能力Capacity	Tons	300		400		500		600	
能力发生点Rated tonnage point	mm	7	3	7	3	9	5	9	5
行程长Stroke Length	mm	300	170	300	170	300	170	300	170
行程数Stroke Per Minute	SPM	20~35	30~50	20~35	30~50	20~30	30~45	20~30	30~45
最大模高Die height(S.D.A.U)	mm	550	450	550	450	600	450	600	450
滑块调整量Slide adjustment	mm	120		120		120		120	
滑块面积Slide area(LR×FB)	mm	A	2200×900×95	A	2200×900×95	A	2500×1200×95	A	2500×1200×95
		B	2500×900×95	B	2500×900×95	B	2800×1200×95	B	2800×1200×95
		C	2800×900×95	C	2800×900×95	C	3100×1200×95	C	3100×1200×95
		D	3100×900×95	D	3100×900×95	C	3100×1200×95	C	3100×1200×95
台盘面积Bolster area(LR×FB)	mm	A	2500×1000×190	A	2500×1000×190	A	2800×1300×220	A	2800×1300×220
		B	2800×1000×190	B	2800×1000×190	B	3100×1300×220	B	3100×1300×220
		C	3100×1000×190	C	3100×1000×190	B	3100×1300×220	B	3100×1300×220
		D	3400×1000×190	D	3400×1000×190	C	3400×1300×220	C	3400×1300×220
侧向开口Side opening	mm	800×600		800×600		1000×750		1000×750	
主马达Main Motor	kw×P	22×4		30×4		37×4		45×4	
滑块调整马达	HP×P	2×4		2×4		2×4		2×4	
最大上模重量Max.upper die weight	kg	A	2400	A	2400	A	3200	A	3200
		B		B		B		B	
		C	3200	C	3200	C	4000	C	4000
		D		D		D		D	
模垫能力Die cushion capacity	Tons	14×2		14×2		14×2		14×2	
供给空气The pressure of air supply	Kg/cm ²	6		6		6		6	

HM2 & H2 SPECIFICATION

AVAILABLE FROM 110 TO 1800 TONS

Model		H2-110		H2-160		H2-200		H2-250	
Type		S	H	S	H	S	H	S	H
Tonnage Capacity	Ton	110		160		200		250	
Stroke Length	mm	180	110	200	130	250	150	280	170
Stroke Per Minute	S.P.M	35-65	50-100	30-55	40-85	20-50	35-70	20-40	30-60
Tonnage Rating Point	mm	5	3	6	3	6	3	7	3
Die Height	mm	400	400	450	400	500	450	550	450
Slide Adjustment	mm	100		100		120		120	
Slide Area	mm	1500x500x70		1650x650x70		2000x750x95		2300x800x95	
Bolster Area	mm	1700x650x130		1850x760x150		2200x940x160		2500x1000x160	
Side Opening	mm	500x400		600x450		700x600		750x600	
Main Motor	kw	7.5		11		15		18.5	
Slide Adjust Motor	HP*P	1		1		2		2	
Required air Pressure	kg/cm ²	6		6		6		6	
Max upper die weight	KG	1000		1200		1500		2200	
Die Cushion(Optional)		SA-3.6x2		SA-6.3x2		SA-10x2		SA-14x2	

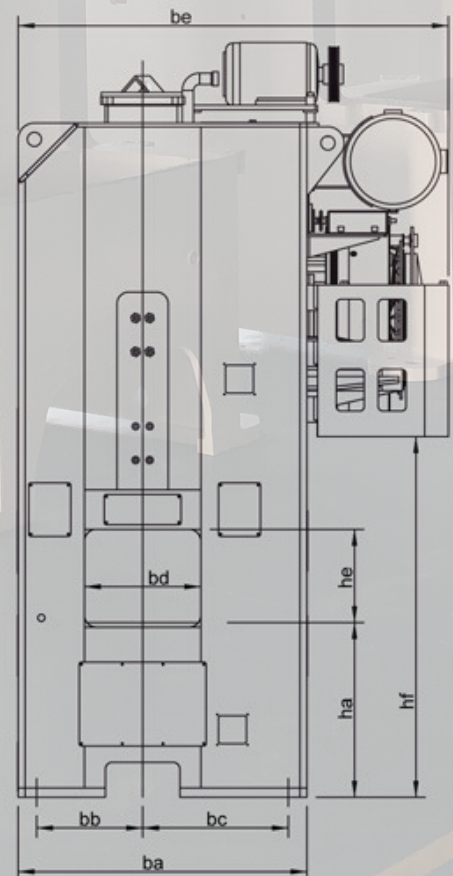
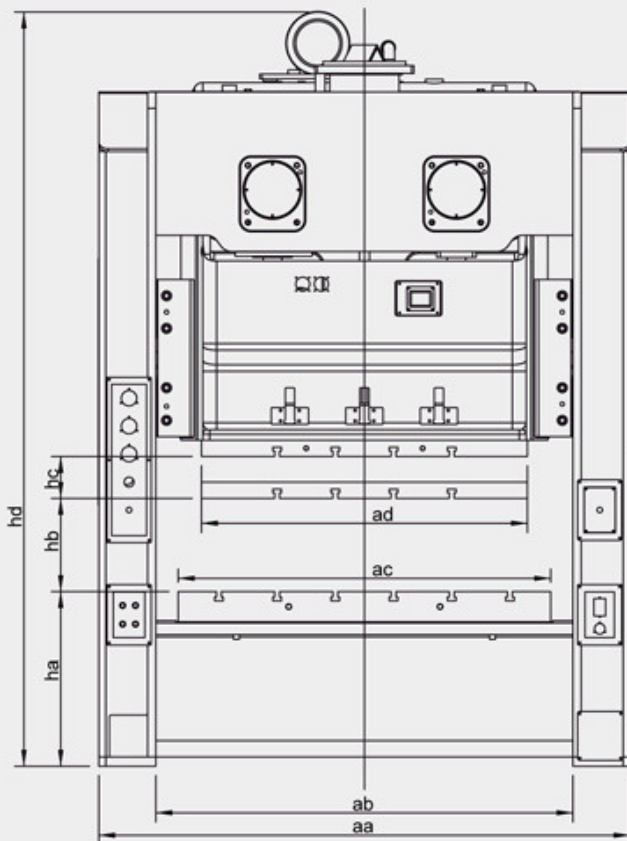
Model		HM2-300		HM2-400		HM2-500		HM2-600	
Type		S	H	S	H	S	H	S	H
Tonnage Capacity	Ton	300		400		500		600	
Stroke Length	mm	300	250	400	250	400	250	400	250
Stroke Per Minute	S.P.M	15-40	30-60	15-30	20-40	15-25	15-35	15-25	20-35
Tonnage Rating Point	mm	9	7	13	7	13	7	13	9
Die Height	mm	600		700		700		700	
Slide Adjustment	mm	200		250		250		250	
Slide Area	mm	2500x1200		2800x1400		2800x1550		2800x1550	
Bolster Area	mm	3100x1200		3400x1400		3600x1550		4600x1550	
Frame Type		Monoblock		Monoblock or Tie Rod		Monoblock or Tie Rod		Tie rod	

Model		HM2-800		HM2-1000		HM2-1200		HM2-1600		HM2-1800	
Type		S	H	S	H	S	H	S	H	S	H
Tonnage Capacity	Ton	800		1000		1200		1600		1800	
Stroke Length	mm	400	250	400	250	400	250	400	250	400	250
Stroke Per Minute	S.P.M	13-18	20-25	13-18	20-25	13-18	20-25	13-18	20-25	13-18	20-35
Tonnage Rating Point	mm	13	9	13	9	13	9	13	9	13	9
Die Height	mm	700		850		1000		1000		1000	
Slide Adjustment	mm	**		**		**		**		**	
Slide Area	mm	3600x1800		4200x1800		4600x1800		4000x1800		4500x1800	
Bolster Area	mm	4600x1800		5000x1800		5500x1800		4200x1800		4700x1800	
Frame Type		Tie rod		Tie rod		Tie rod		Tie rod		Tie rod	

DATA SHEETS

AVAILABLE FROM 110 TO 1800 TONS

机种 Machine type	H2-110	H2-160	H2-200	H2-250	H2-300	H2-400	H2-500	H2-600
型式 MODEL	S	S	S	S	S	S	S	S
aa	2280	2560	3020	3410	3660	3825	3940	3940
ab	1792	1960	2300	2610	2860	3025	3040	3040
ac	1600	1800	2200	2800	2800	2800	3100	3100
ad	1400	1600	1850	2400	2500	2500	2800	2800
ba	1241	1495	1621	2400	2500	2500	2800	2800
bb	455	450	645	610	770	765	845	825
bc	626	645	736	651	900	890	1115	1045
bd	500	600	700	750	800	800	1000	1000
be	1849	2183	2303	2417	2643	2710	3405	3670
ha	750	995	1110	1245	1290	1290	1300	1440
hb	400	450	500	550	550	550	600	600
hc	180	180	250	280	300	300	300	300
hd	3238	3959	4312	4870	5310	5555	5860	6270
he	400	450	600	600	600	600	750	750
hf	1548	1838	2013	2173	2415	2650	2960	3600



NINGBO BOXIN MACHINERY CO LTD



NingBo Boxin Presses offers a comprehensive range of mechanical presses from 10 tons to 1800 tons capacity:

- C Frame Open Fronted Single Crank Presses 10 to 340 tons
- Semi Closed H Frame Double Sided Presses 80 to 315 tons
- C Frame Open Fronted Double Crank Presses 110 to 250 tons
 - Straight Sided Single Crank Presses 200 to 600 tons
 - Straight Sided Double Crank Presses 110 to 600 tons
- Straight Sided Double Crank Power Presses 300 to 1800 tons
 - Straight Sided Eccentric Gear Presses 400 to 1800 tons

NingBo Boxin Machinery Co. Ltd is a Hong Kong owned enterprise specialised in the manufacture of high precision presses since 2006. Their manufacturing facility is located near the beautiful port of Beilun Ningbo, China

Boxin utilise the latest technology and advanced design and are a leading manufacturer and supplier of innovative, CE approved, high quality and cost effective power presses

BOXIN PRESSES



Boxin build on average 100 presses per month ensuring a continual supply and machines on short delivery timescales.

In 2012 Boxin commenced cooperation with an established leading American power press manufacturer. This collaboration has assisted Boxin with numerous ideas regarding design, accuracy standards, quality and safety. With the support of the American manufacturer Boxin has achieved 40 patents which have led to exports to the areas of Europe and North America.

Some of their major customers are TOYOTA, PANASONIC, CHNT, MAZDA, AUX, GEELY, BYD and MIDEA.

Boxin strives to continually improve their range of machines with the latest concepts, service and world-class facilities for manufacturing the highest quality machines.

ANY QUESTIONS?

TEL: 01384 565997
MAIL: SLR@RAYBOULD.COM

RAYBOULD MACHINE TOOLS LTD
MACARTHUR ROAD
CRADLEY HEATH
WEST MIDLANDS
B64 7RP
ENGLAND
WWW.RAYBOULD.COM

