

BOXA PRESSES 博信机械



Straight Sided Single Crank Power Presses - Model HM1 & M1

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THE BOXIN HM1 & M1 RANGE



The Boxin HM1 & M1 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 HM1 & M1 design is ideally suited to heavier tonnage applications where a rigid frame and tool stability are required. Together with a cast slide body featuring 6 & 8-point full length machined guides providing outstanding position repeat-ability allowing for a longer tool life.

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 HM1 & M1 are a highly versatile and productive range of power presses.

STANDARD FEATURES



- CE Approved
- Heavy-duty mono-block fabricated steel frame
- Frames are stress relieved after welding
- Drive gears run in self-contained oil bath
- Forged & machined crankshafts are rated for 150% capacity
- Adjustable 6 & 8-point full length machined guides
- Motorised slide adjustment with die height readout
- 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.

HM1 & M1 SPECIFICATION

AVAILABLE FROM 200 TO 600 TONS

БОНН HM1-500



机种Machine type		(H)M1-200	(H)M1-300	(H)M1-400	(H)M1-500	(H)M1-600
型式MODEL		V	V	V	V	V
公称能力Capacity	Tons	200	300	400	500	600
能力发生点Rated tonnage point	mm	6	7	8	8	8
行程长Stroke Length	mm	180	250	250	250	250
行程数Stroke Per Minute	SPM	30~50	25~40	25~35	20~30	15~25
最大模高Die height(S.D.A.U)	mm	500	550	550	550	550
滑块调整量Slide adjustment	mm	110	120	120	120	120
滑块面积Slide area(LR×FB)	mm	1000*700	1100*750	1300*900	1400*900	1400*900
台盘面积Bolster area(LR×FB)	mm	1200*800*170	1250*900*200	1400*1000*220	1500*1100*220	1500*1100*220
侧向开口Side opening	mm	600×550	700×600	800×600	900×600	900×600
主马达Main Motor	kw×P	15×4	18.75×4	22×4	30×4	37×4
供给空气The pressure of air supplyKg/cm ²		6	6	6	6	6



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?

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