

**BOXIN**  
**PRESSES 博信机械**



Straight Sided Double Crank Presses - Model M2

Raybould Machine Tools Ltd

web: [www.raybould.com](http://www.raybould.com) e-mail: [slr@raybould.com](mailto:slr@raybould.com)

tel: 01384 565997

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# THE BOXIN M2 RANGE



The Boxin M2 range offer a choice of high strength mono block construction or tie rod construction power presses designed for all applications where strength and rigidity are a must! A heavy duty drive gear that runs in a self-contained oil bath thus reducing wear together with crankshafts that are rated at 150% overload to provide a higher energy rating.

The 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 M2 are a highly versatile and productive range of power presses.

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# STANDARD FEATURES



- CE Approved
- Robust tie-rod & mono-block fabricated steel frames
- Frames are stress relieved after welding
- Drive gears run in self-contained oil bath
- Forged & machined crankshafts are rated for 150% capacity
- Motorised slide adjustment with die height readout
- Adjustable 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

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# BUILD QUALITY

**BUILT TO JIS1 STANDARD**



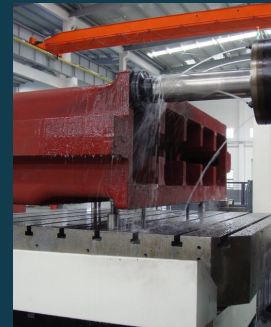
**TIE ROD  
FRAME  
CONSTRUCTION**



**IN-HOUSE  
TESTING  
FACILITIES**



**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.

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# M2 SPECIFICATION

AVAILABLE FROM 300 TO 1800 TONS

## M2-1800以上参数按客户指定设计

			M2-300		M2-400		M2-500		M2-600		M2-800		M2-1000		M2-1200		M2-1600		M2-1800	
型式	MODEL		S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H	S	H
最大加压能	Capacity	TONS	300		400		500		600		800		1000		1200		1600		1800	
能力发生点	Rated Tonnage Point	mm	9	7	13	7	13	7	13	9	13	9	13	9	13	9	13	9	13	9
行程长	Stroke Length	mm	300	250	400	250	400	250	400	250	400	250	480	300	550	350	400	250	400	250
行程数 (连续)	Strokes Per Minute	S.P.M	15-40	30-60	15-30	20-40	15-25	15-35	15-25	20-35	12-20	25-35	15-25	20-30	15-25	20-30	13-18	20-25	13-18	20-25
最大模高	Die Height (S.D.A.U)	mm	600		700		700		700		700		850		1000		1000		1000	
滑块面积	1	mm	2200x1200		2550x1400		2550x1550		--		--		--		--		--		--	
Slide Area	2		2500x1200		2800x1400		2800x1550		2800x1550		3600x1800		4200x1800		4600x1800		4000x1800		4500x1800	
台盘面积	1		2800x1200		3100x1400		3100x1550		3600x1550		4200x1800		4600x1800		5000x1800		4000x1800		4500x1800	
Bolster Area	2		3100x1200		3400x1400		3600x1550		4600x1550		4600x1800		5000x1800		5500x1800		4200x1800		4700x1800	
滑块调整量	Slide Adjusting Range	mm	200		250		250		250		250		250		250		250		250	
台身形式	Frame Type		一体式 monoblock				一体式或3分割 monoblock or Tie-rod				3分割 Tie-rod									

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# 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

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# 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.

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# 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

**博信机械**

M2-800-400-150

