

TECHNICAL SPECIFICATIONS

PHB HYDRAULIC PRESS BRAKES

MODEL PHB	110 / 32	110 / 41	170 / 32	170 / 41	250 / 32	250 / 41
Bending force (F)	1100KN	1100KN	1700KN	1700KN	2500KN	2500KN
Bending width (W)	3200mm	4100mm	3200mm	4100mm	3200mm	4100mm
Machine Height	2700mm	3600mm	2700mm	3600mm	2700mm	3600mm
Throat depth	400mm	400mm	400mm	400mm	580mm	580mm
Opening	540mm	540mm	540mm	540mm	400mm	400mm
Stroke	200mm	200mm	200mm	200mm	240mm	240mm
Back gauge stroke	600mm	600mm	600mm	600mm	600mm	600mm
Approaching speed	185mm/s	185mm/s	160mm/s	160mm/s	125mm/s	125mm/s
Working speed	10mm/s	10mm/s	10mm/s	10mm/s	8mm/s	8mm/s
Return speed	160mm/s	160mm/s	140mm/s	140mm/s	120mm/s	120mm/s
Power	11KW	11KW	15KW	15KW	18.5KW	18.5KW
Oil volume	280L	280L	280L	280L	460L	460L

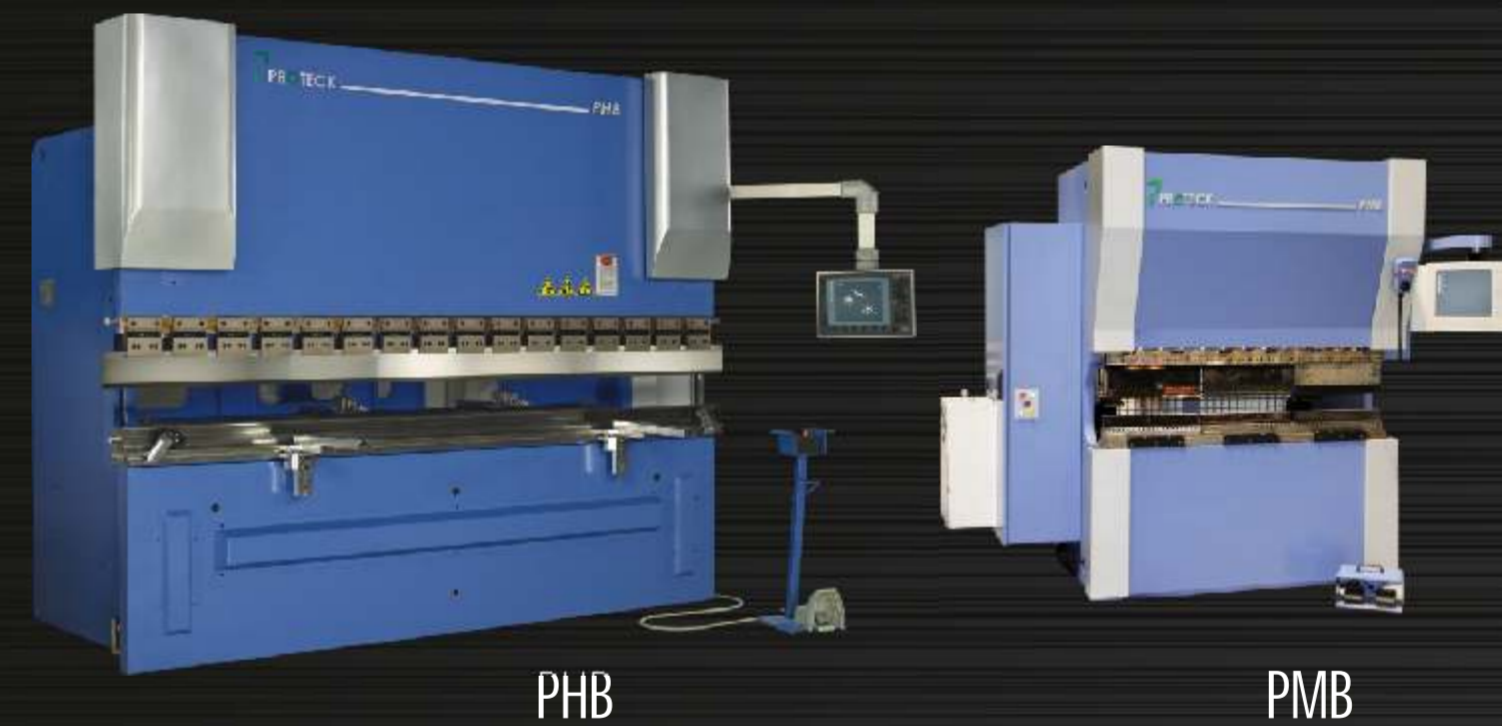
PMB MODULAR SERVO PRESS BRAKES

MODEL	PMB 181	PMB 182	PMB 183
Ram Force (kN)	177 kN	177 kN	177 kN
Ram length mm (inch)	600 (24")	510 (20")	510 (20")
Ram Speed mm (in) /sec	200 (8")	200 (8")	200 (8")
Number of Rams	1	2	3
Press force Tons (US)	18 Ton	36 Ton	54 Ton
Max. Bend length mm (in.)	600 (23.6")	1020 (40")	1530 (60")
Axes stroke X mm (in.)	400 (16")	400 (16")	400 (16")
Axes stroke Z mm (in.)	400 (16")	800 (32")	1300 (51")
Axes stroke R mm (in.)	120 (4.8")	120 (4.8")	120 (4.8")
Power (kw)	3 kW	6 kW	9 kW

Note : Specifications are subject to change without notice



Bending Solutions
From PROTECK



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PRECISION HYDRAULIC
AND SERVO ELECTRIC PRESS BRAKES

Proteck PHB Hydraulic Press Brakes



- Heavy duty hydraulic brakes for sheets and plates.
- Synchronised brakes with closed loop feed back .
- Upto 6 axis back gauge.
- Fast ram and back gauge axis movement.
- Automatic crowning device.
- Flexible tooling options.
- Automatic Front sheet support and options.
- Premium quality components, best in class used.
- Heavy gauge steel frame, welded and heat treated.



Range of controls from available from simple to sophisticated:

Cybelec DNC 60, for simple single axis backgauge

DNC 880 for more demanding automation

Cybelec-Metamation Modeva RA (Shown) , the most advanced press brake control in the world, featuring auto tool selection, bend sequencing, collision detection, full 3D simulation and more...

Proteck PMB Servo Electric Press Brakes

World's first Modular Ram Servo Controlled Precision brakes



- Modular Ram with synchronised or independent ram movement
- Very high bending precision
- Very high bend repeatability with ram repeatability within 5 microns.
- Rapid ram movement to cut part cycle time
- No need for crowning in most applications
- Ram movement guidance on over sized LM guides, for low stick slip and high precision
- WILA tooling system is equipped standard
- High speed six axis back gauge with six servo motors.
- Premium quality components, best in class used.



Most advanced Servo electric brake control ,
the Metamation RA 200 featuring:

- Auto tool selection
- Bend sequencing,
- Collision detection
- full 3D simulation and more...