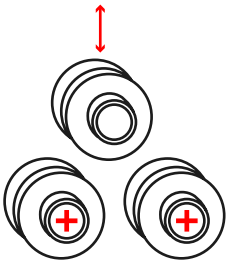
PBM
30 | 50
Angle and Ring Roller, Circular Profile Bending Machine

Motorized drive powers both bottom rolls on the PBM, allowing for horizontal and vertical rolling. Features include **hardened bending rolls**, a **2-speed motor**, and a **millimeter scale** for top roll adjustment (DRO optional). Suitable for **St. 37 material**.



PBM		30	50
		1” Shaft Ø	2” Shaft Ø
Shaft Diameter	mm	30 (1.1”)	50 (2”)
Upper Roll Diameter	mm	148 (5.8”)	155 (6”)
Lower Roll Diameter	mm	118 (4.7”)	155 (6”)
Main Drive Motor	kW	0.7/0.85 (1 Hp)	1.5 (2 Hp)
Bending Speed	m/min	3–6 (118–235”/min)	4.5 (180”/min)
Dimensions (L/W/H)	mm	600x700x1350 (24x28x53”)	1000x750x1400 (39x29x55”)
Weight	kg	220 (480 lbs)	400 (880 lbs)
Item No.		9301001	9301003

OPTIONAL CONFIGURATION

Digital Readout (DRO)
Special-Design Bending Rolls
Spiral Bending Device
Special Lateral Angle Guides

PBM			30		50	
No	Profile Type	Unit	Dimensions	Min Bend Dia	Dimensions	Min Bend Dia
1		mm	30 (1.2”), 10 (0.4”)	900 (36”), 200 (8”)	35x35 (1.4x1.4”), 20x20 (0.75x0.75”)	900 (36”), 300 (12”)
2		mm	50x10 (2x0.4”), 20x6 (0.75x0.25”)	1800 (71”), 300 (12”)	60x10 (2.4x0.4”), 40x10 (1.5x0.4”)	500 (20”), 400 (16”)
3		mm	80x15 (3.1x0.6”), 30x6 (1.2x0.25”)	700 (28”), 400 (16”)	100x15 (4x0.6”), 60x10 (2.4x0.4”)	450 (18”), 350 (14”)
4		mm	-	400 (16”)	UPN 80 (3.1”), UPN 30 (1.2”)	1000 (40”), 500 (20”)
5		mm	-	350 (14”)	UPN 80 (3.1”), UPN 30 (1.2”)	1200 (48”), 800 (32”)
6		mm	50x6 (2x0.25”), 20x3 (0.75x0.1”)	600 (24”), 400 (16”)	60x7 (2.4x0.27”), 50x6 (2x0.25”)	700 (28”), 500 (20”)
7		mm	50x6 (2x0.25”), 20x3 (0.75x0.1”)	600 (24”), 400 (16”)	60x7 (2.4x0.27”), 30x4 (1.2x0.15”)	700 (28”), 500 (20”)
Special Design Bending Rolls						
8		mm	40x3 (1.5x0.2”), 30x2 (1.2x0.08”)	1200 (48”), 800 (32”)	50x3 (2x0.2”), 40x3 (1.5x0.2”)	1700 (67”), 600 (24”)
9		mm	50x30x3 (2x1.2x0.2”), 40x20x2 (1.5x0.7x0.08”)	1200 (48”), 800 (32”)	70x30x2 (2.7x1.2x0.08”), 50x40x3 (2x1.5x0.2”)	1200 (48”), 1200 (48”)
10		mm	Ø30 (1.2”), Ø10 (0.4”)	900 (35.5”), 200 (8”)	Ø35 (1.4”), Ø30 (1.2”)	600 (24”), 400 (16”)
11		mm	Ø60x1.5(2.4x0.06”), Ø25x1.5 (1x0.06”)	1000 (40”), 600 (24”)	Ø70x2 (2.75x0.08”), Ø30x2 (1.2x0.08”)	1000 (40”), 500 (20”)
12		mm	Ø38x2.9 (1.5x0.1”), Ø6x1.8 (0.25x0.07”)	600 (24”), 300 (12”)	Ø50x2.9 (2x0.1”), Ø25x2.3 (1x0.09”)	1000 (40”), 350 (14”)
13		mm	40x40x5 (1.5x1.5x0.2”), 30x30x4 (1.2x1.2x0.15”)	600 (24”), 300 (12”)	50x50x5 (2x2x0.2”), 40x40x5 (1.6x1.6x0.2”)	800 (31.5”), 600 (24”)
14		mm	35x35x5 (1.4x1.4x0.2”), 30x30x4 (1.2x1.2x0.15”)	600 (24”), 400 (16”)	50x50x6 (2x2x0.2”), 30x30x3 (1.2x1.2x0.1”)	1000 (40”), 500 (20”)

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.