



# Ring and profile bending machine

## PBH 100 • 120

Machine for circular bending of metal profiles

- ### Optional configuration
- Special dies
  - Infinitely adjustable bending speed
  - Oil/air cooling
  - NC EasyView control

### Semi-automatic control NC EasyView (option)

- All movements, processes and commands of the operator during the bending process can be recorded in the teach-in mode and then recalled and played back automatically at any time
- To achieve the required bending results, all stored data can be edited
- Memory for 48 bending programs with 1000 steps each
- Digital display for the side roller positions
- Horizontal or vertical machine orientation
- Hydraulic adjustable bottom rolls
- 3 rollers are driven by hydraulic motors and planetary gears
- Hardened shafts



### Standard configuration

- ✓ Standard bending rolls
- ✓ Sturdy welded steel construction
- ✓ Mobile control panel
- ✓ 2 bending speeds
- ✓ Tool kit
- ✓ Digital display (2 axes)
- ✓ Hydraulic guide rollers adjustable in 3 axes (PBH 120)
- ✓ Mechanical adjustment (PBH 100)
- ✓ Operation manual

Specifications	PBH 100		PBH 120	
		3.9" shaft Ø		4.75" shaft Ø
Shaft diameter	mm	Ø100 (3.9")		Ø120 (4.75")
Roll diameter	mm	Ø315 (12.5")		Ø390 (15.4")
Main drive motor	kW	7.5 (10 Hp)		15 (20 Hp)
Bending speed	m/min	7 (275"/min)		2-7.5 (78-295"/min)
Dimensions (L/W/H)	mm	1465x2000x1700 (58x79x67")		1400x1400x1700 (56x56x67")
Weight	kg	3650 (8,000 lbs)		4770 (10,400 lbs)
Item No.		<b>9312005</b>		<b>9312006</b>

Model			PBH 100		PBH 120		Scope of supply
No	Profile type	Unit	Dimensions	Min. bending diameter	Dimensions	Min. bending diameter	
1		mm	60 (2.4") 15 (0.6")	Ø750 (30") Ø400 (16")	65 (2.5") 20 (0.75")	Ø750 (30") Ø500 (20")	+
2		mm	100x20 (4x0.75") 30x10 (1.2x0.4")	Ø1000 (40") Ø400 (16")	125x20 (5x0.75") 30x10 (1.2x0.4")	Ø1200 (48") Ø500 (20")	+
3		mm	160x35 (6.3x1.3") 80x5 (3.1x0.2")	Ø800 (32") Ø400 (16")	180x40 (7x1.5") 100x10 (4x0.4")	Ø1000 (40") Ø500 (20")	+
4		mm	UPN 160 (6.3") UPN 30 (1.2")	Ø800 (32") Ø400 (16")	UPN 180 (7") UPN 40 (1.5")	Ø800 (32") Ø500 (20")	+
5		mm	UPN 160 (6.3") UPN 30 (1.2")	Ø800 (32") Ø400 (16")	UPN 180 (7") UPN 40 (1.5")	Ø800 (32") Ø500 (20")	+
6		mm	100x11 (4x0.4") 30x4 (1.2x0.15")	Ø1000 (40") Ø400 (16")	100x11 (4x0.4") 30x4 (1.2x0.15")	Ø800 (32") Ø500 (20")	+
7		mm	100x11 (4x0.4") 30x4 (1.2x0.15")	Ø1000 (40") Ø400 (16")	100x11 (4x0.4") 30x4 (1.2x0.15")	Ø800 (32") Ø500 (20")	+
8		mm	90x10 (3.5x0.4") 30x4 (1.2x0.15")	Ø1000 (40") Ø400 (16")	100x11 (4x0.4") 30x4 (1.2x0.15")	Ø1000 (40") Ø500 (20")	+
9		mm	80x5 (3.1x0.2") 25x2 (1x0.08")	Ø1500 (60") Ø450 (18")	90x5 (3.5x0.2") 30x3 (1.2x0.12")	Ø1800 (71") Ø500 (20")	⊕
10		mm	100x40x4 (4x1.5x0.15") 25x15x2 (1x0.6x0.08")	Ø1300 (52") Ø450 (18")	120x40x4 (4.75x1.5x0.15") 30x20x3 (1.2x0.75x0.12")	Ø1800 (71") Ø500 (20")	⊕
11		mm	Ø75 (3") Ø15 (0.6")	Ø800 (32") Ø450 (18")	Ø80 (3.1") Ø20 (0.75")	Ø850 (34") Ø500 (20")	⊕
12		mm	Ø125x2.5 (5x0.1") Ø15x1 (0.6x0.04")	Ø1400 (56") Ø450 (18")	Ø140x3 (5.5x0.12") Ø20x1 (0.75x0.04")	Ø1500 (60") Ø500 (20")	⊕
13		mm	Ø4x0.25" Ø0.5x0.1"	Ø1000 (40") Ø450 (18")	Ø5x0.25" Ø0.75x0.1"	Ø1500 (60") Ø500 (20")	⊕
14		mm	100x100x12 (4x4x0.5") 40x40x4 (1.5x1.5x0.15")	Ø1000 (40") Ø700 (28")	120x120x12 (4.7x4.7x0.5") 40x40x4 (1.5x1.5x0.15")	Ø1200 (48") Ø600 (24")	⊕
15		mm	100x100x12 (4x4x0.5") 40x40x4 (1.5x1.5x0.15")	Ø1000 (40") Ø550 (22")	100x100x10 (4x4x0.4") 40x40x4 (1.5x1.5x0.15")	Ø1500 (60") Ø600 (24")	⊕
16		mm	IPN 180 (7") IPN 80 (3.1")	Ø1000 (40") Ø400 (16")	IPN 200 (8") IPN 80 (3.1")	Ø1200 (48") Ø500 (20")	⊕
17		mm	HEB 100 (4") HEA 100 (4")	Ø1200 (48") Ø2000 (78")	HEB 120 (4.75") HEA 140 (5.5")	Ø1200 (48") Ø1200 (48")	⊕

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