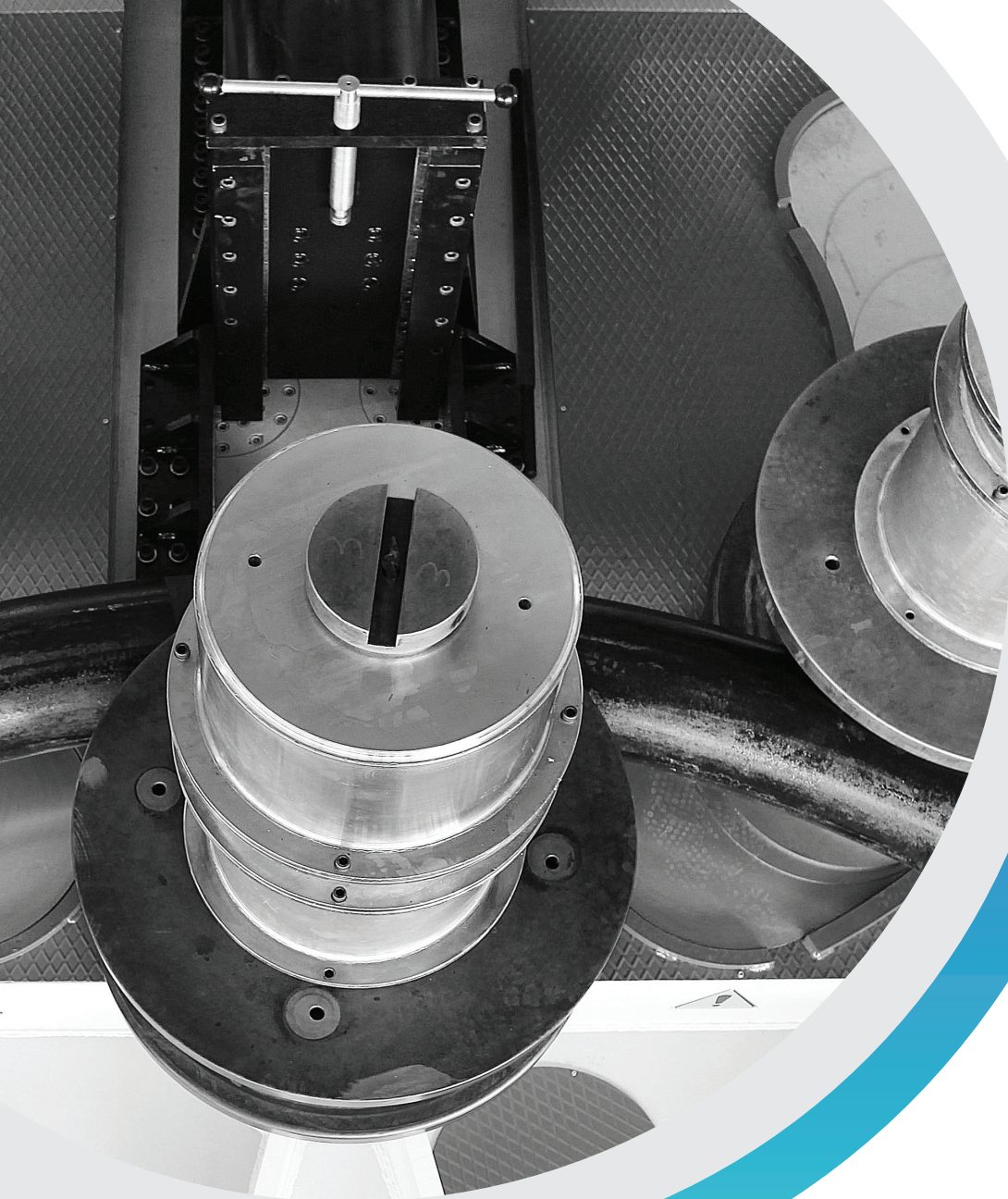


BENDMAK USA[®]

BENDING & DRILLING & WELDING SOLUTIONS



PRO SERIES





FABRICATING MACHINERY & WELDING SOLUTIONS

The most effective solutions to the steel fabricating industry

Bendmak was founded in Bursa, Turkey in 2008. Since the first day, Bendmak has made an impression on clients with its fast response capability and meticulous understanding of customer needs. Bendmak has earned trust in the market with its reliable solutions that exceed customer expectations.

Bendmak continuously develops technology and improves quality of service with an innovative mindset. Its advanced manufacturing capabilities also separate Bendmak from typical machinery manufacturers, which enables us to boost production efficiency, quality and speed.

Having certifications such as ISO:9001 which approve its international quality standards, and compliance with CE norms, Bendmak provides synchronized and unparalleled service from initial contact through delivery and to after-sales.

Plate and Angle Rolls: 3 and 4 Roll Hydraulic Plate and Profile Rollers

Structural Steel and Plate Processing: Single and Three Spindle Drill Lines, Plasma Cutting Tables, Plate Drilling Machines, Combined Oxy-Plasma & Drilling Machines, Punching Machines, Bandsaws

Dishing and Flanging Machines

Welding Solutions: Column-Boom Welders, Tank Rotators and Welding Positioners, Rope and Chain Rotators, H-Profile Welding and Straightening Lines



**PRO
SERIES**

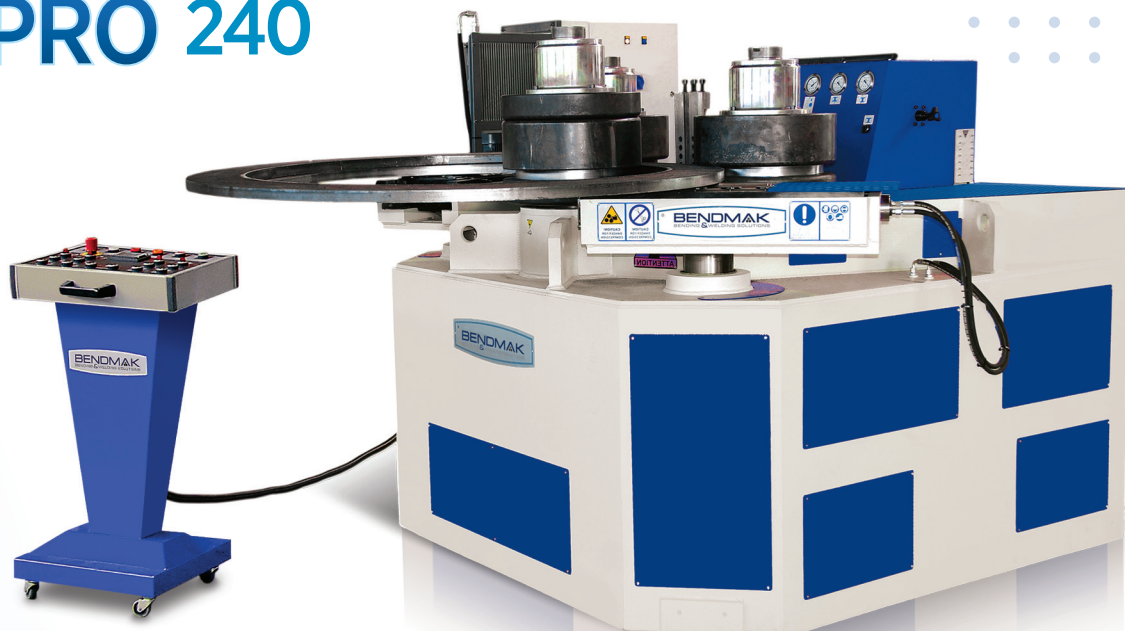
**ANGLE
BENDING
ROLLS**



PRO 300



PRO 240



PRO 800

Shafts made of special steel, hardened and ground

3

Automatic Speed Adjustment between the top roll and bottom rolls

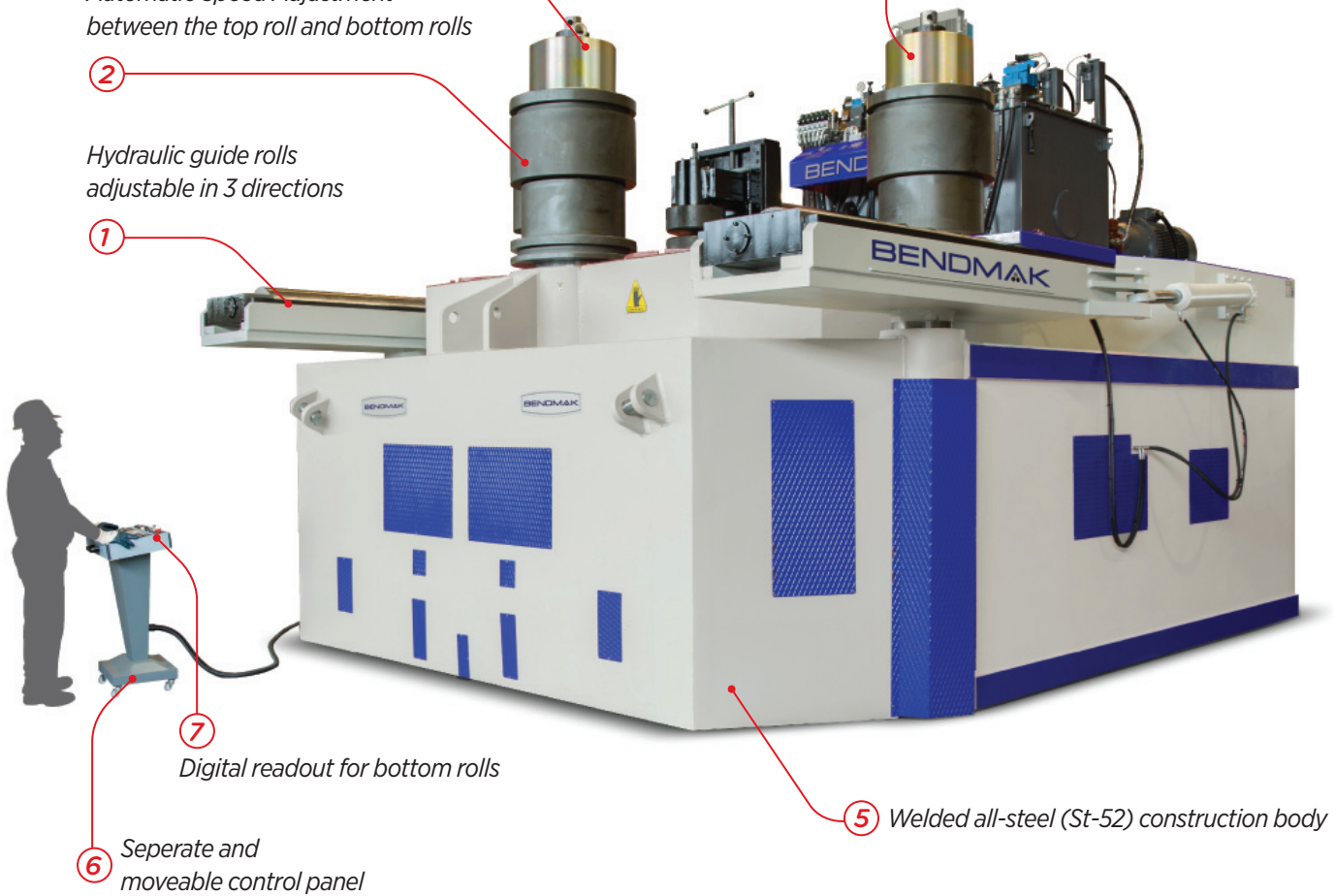
2

Hydraulic guide rolls adjustable in 3 directions

1

4

All three rolls are separately driven by hydraulic motor+reducer and gear system



7 Digital readout for bottom rolls

6

Seperate and moveable control panel

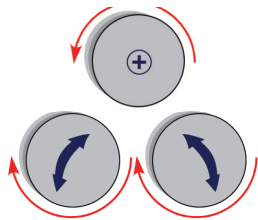
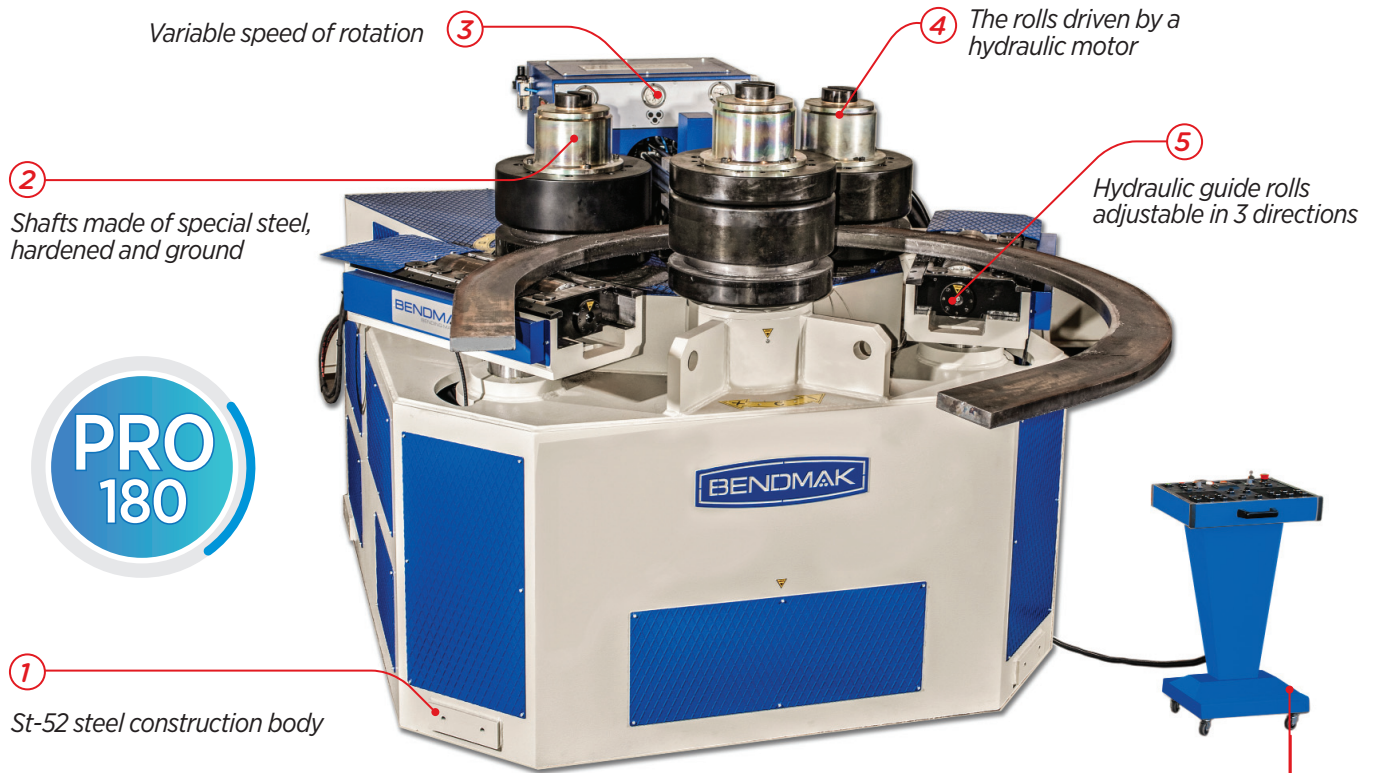
5

Welded all-steel (St-52) construction body

OPTIONAL ACCESSORIES

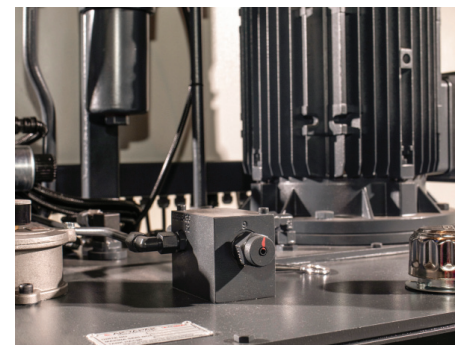
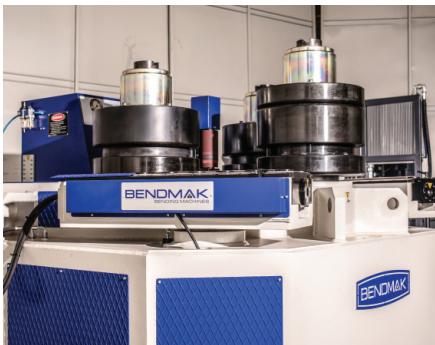
- Special rolls for tubes, profiles and angles
- Hydraulic pulling system for H, U and I sections
- Digital readout for hydraulic guide rolls
- Joystick Control
- NC AK300
- CNC AK400





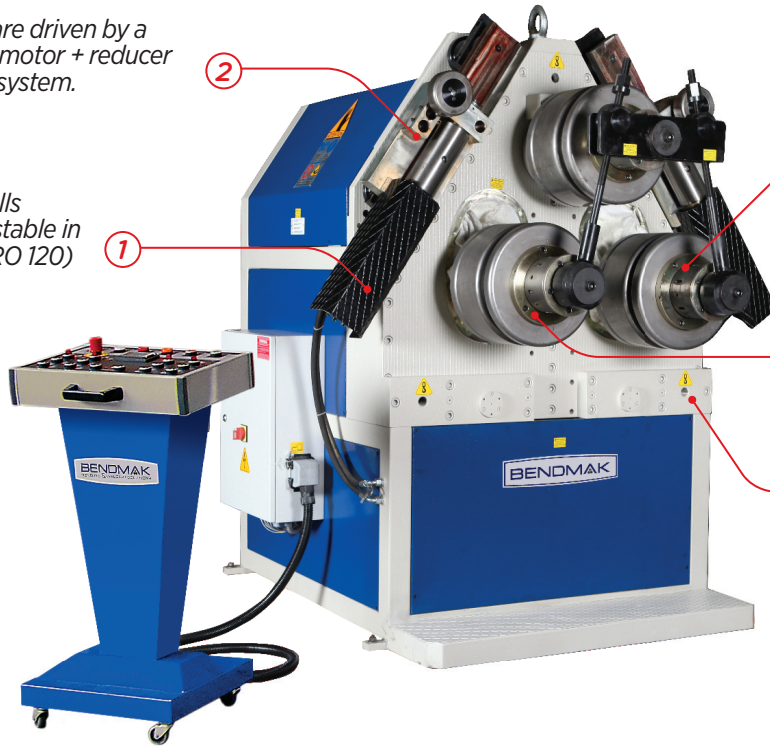
OPTIONAL ACCESSORIES

- Special rolls for tubes, profiles and angle bars
- Special tooling system for bending H,I,U profiles
- Digital readout for hydraulic guide rolls
- NC
- CNC
- Joystick Control
- Motors in variable voltages and frequencies



The rolls are driven by a hydraulic motor + reducer and gear system.

Standard guide rolls hydraulically adjustable in two directions (PRO 120)



3 Bottom rolls hydraulically moveable up and down

4 Shafts made of special steel, hardened and ground

5 St-52 steel construction body



PRO 100

Horizontal & vertical working capability

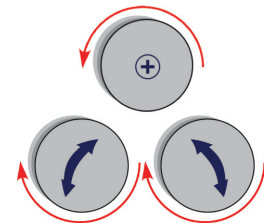
Digital readout for bottom rolls

Separate and moveable control panel



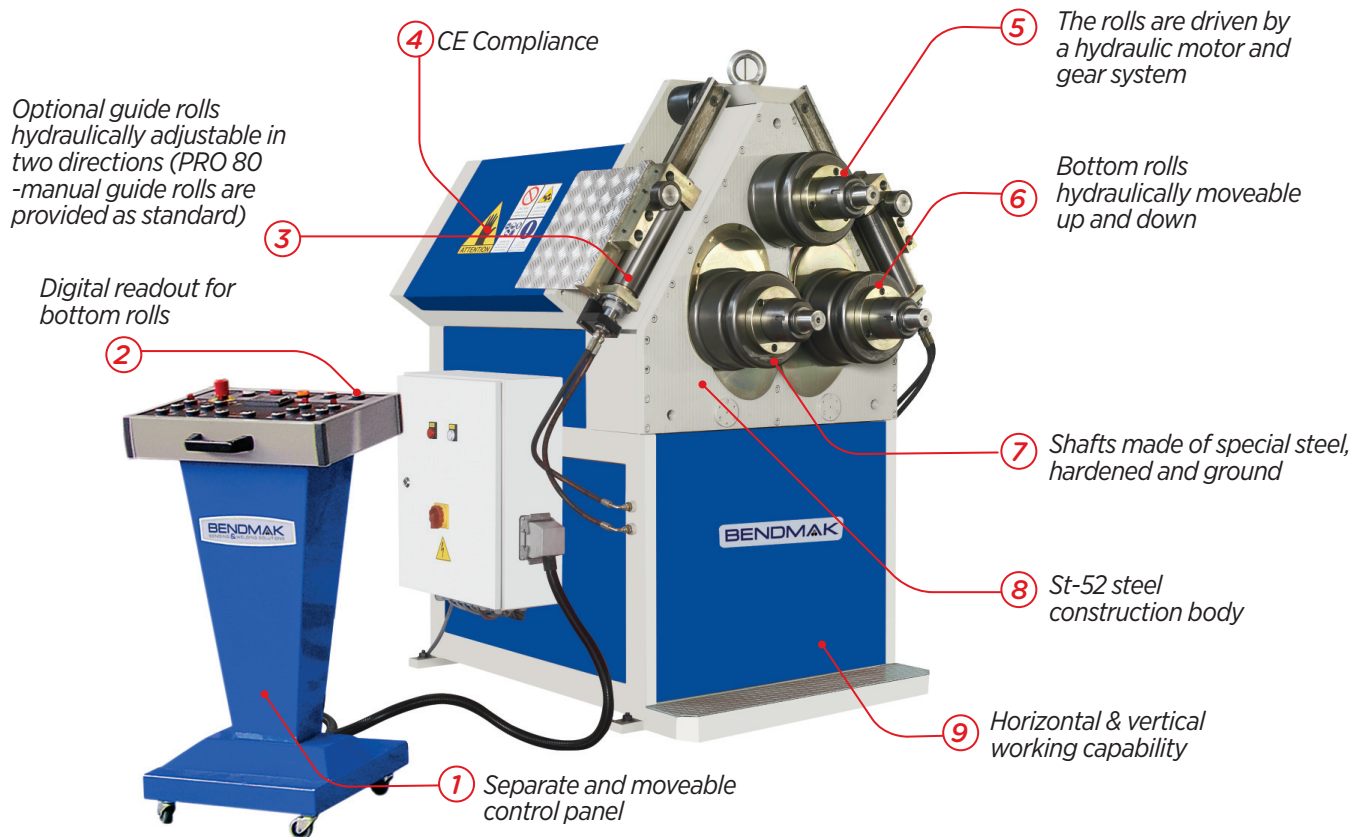
4 CE Compliance

5 Optional guide rolls hydraulically adjustable in two directions (PRO 100 -manual guide rolls are provided as standard)



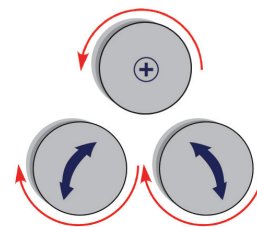
OPTIONAL ACCESSORIES

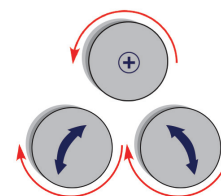
- Special rolls for tubes, profiles and angles
- Variable speed of rotation
- Guide rolls hydraulically adjustable in two directions (for PRO 100)
- Special mechanic guide rolls for angle bending
- Digital readout for hydraulic guide rolls
- NC
- CNC
- Motors in variable voltages and frequencies
- Pulling device (for PRO 120)



OPTIONAL ACCESSORIES

- Special rolls for tubes, profiles and angles
- Guide rolls hydraulically adjustable in two directions
- Special mechanic guide rolls for angle bending
- Digital readout for hydraulic guide rolls (for PRO 80)
- NC
- CNC
- Motors in variable voltages and frequencies
- Variable speed of rotation





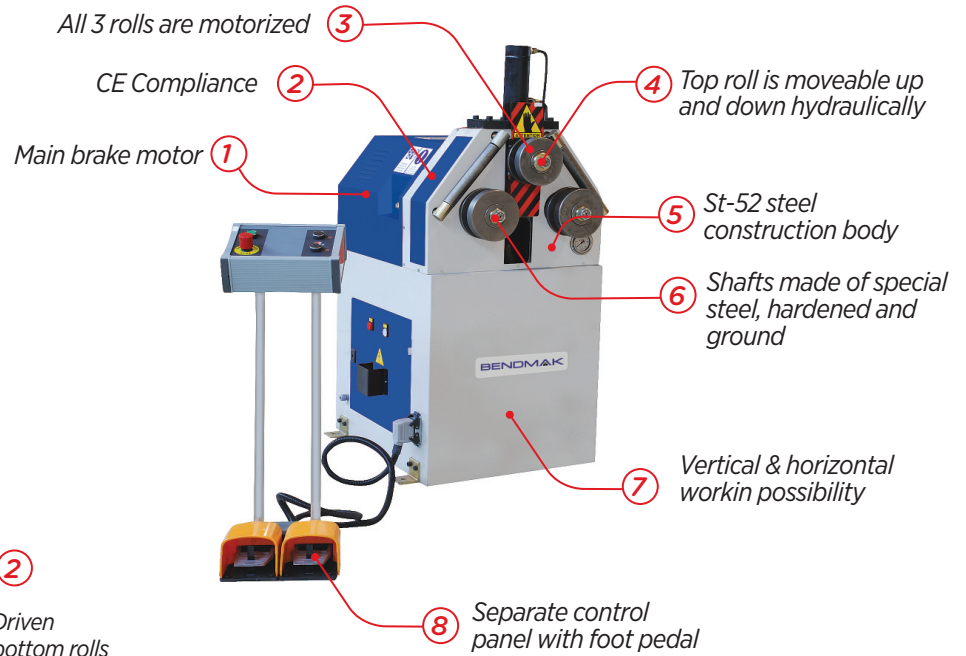
PRO 60 Vertical & horizontal working capability



OPTIONAL ACCESSORIES

- Special rolls for tubes, profiles and angles
- Special mechanic guide rolls for angle bending
- Variable speed of rotation
- Motors in variable voltages and frequencies
- Two speeds

PRO 50



PRO 40





















PRO 30

OPTIONAL ACCESSORIES (PRO 50)



















- Digital readout for the top roll
- Special rolls for tubes, profiles and angles
- Special voltage
- Two speeds

OPTIONAL ACCESSORIES (PRO 30-40)

- Digital readout for the top roll
- Special rolls for tubes, profiles and angles
- Special voltage
- Two speeds
- Twisting device
- Scrolling (s) device

TECHNICAL INFORMATION			PRO 1000		PRO 800		PRO 550		
			Size	Diameter	Size	Diameter	Size	Diameter	ROLLS
1		Angle leg out	L8x8 x1-1/4	135	L8x8 x1-1/4	70	L8x8x1	51	AD
2		Angle leg in	L8x8 x1-1/4	135	L8x8 x1-1/4	80	L8x8x1	59	AD
3		T section leg out	L8x8 x1-1/4	135	L8x8 x1-1/4	80	L8x8 x1-1/8	51	AD
4		T section leg in	WT7x404	135	WT8	60	WT8	79	AD
5		T section leg side	WT7x404	135	WT7x365	80	WT8	71	AD
6		Plate hard way	20x6	120	20x5	120	18x2-3/8 12x4	118 51	A
7		Plate easy way	40x7	120	40x6	70	26x5	67	A
8		Square	14x14	120	12x12	100	11x11	100	A
9		Round	16-1/2	150	14	90	12	100	B
10		Tube	24 SCH80	750	24 SCH40	600	22 SCH40	700	B
11		Square tube	24x3/4	-	20x3/4	-	18x3/4	-	B
12		Channel easy way- legs out	MC18x58	135	MC18x58	135	MC18x58	60	B
13		Channel easy way- legs in	MC18x58	135	MC18x58	135	MC18x58	600	B
14		Beam easy way	W40*593	200	W40*503	200	W 36*210	200	BC
15		Beam easy way	W40x593	200	W36*527	200	W33*241	200	B
16		Channel hard way	MC 18*58	700	MC18*58	700	MC15*58	700	B
17		Beam hard way	W40x183	2000	W40x183	2000	W24x117	150	BC
18		Beam hard way	W40x211	1400	W40x211	1400	W16x100	108	BC
Max. Section Modulus (in³)			427-671		244-550		335		
Power (HP)			214		161		133		
Roll Diameter (inch)			33		34		31,5		
Shaft Diameter (inch)			20.47/16.5		15.75/15.75		14.17/14.17		
Bending Speed (feet/min)			2		23		23		
Weight (lbs)			188.000		165.570		135.600		
WxLxH (feet)			19,7x24,0x13,8		18,0x22,7x14,1		15,8x21,6x14,2		

Data indicated above are based on steel with yield point 34.800 PSI. All specifications are subject to change without prior notice.

TECHNICAL INFORMATION			PRO 360		PRO 300		PRO 280		
			Size	Diameter	Size	Diameter	Size	Diameter	ROLLS
1		Angle leg out	L8x8 x1-1/4	60	L8x8x1-1/8	80	L8x8x1	120	AD
2		Angle leg in	L8x8 x1-1/4	70	L8x8x1	100	L8x8x3/4	140	AD
3		T section leg out	WT8	50	WT8	70	WT8	100	AD
4		T section leg in	WT8	60	WT8	100	WT8	120	AD
5		T section leg side	WT7x213	60	WT7x116,5	70	WT8	100	AD
6		Plate hard way	16x2-3/8	120	10x2"	71	8x2	80	A
7		Plate easy way	22x4	70	20X3	80	16x3	80	A
8		Square	10x10	100	6x6	80	5-1/2x5-1/2	60	A
9		Round	10-1/2	80	7	80	6	59	B
10		Tube	20 SCH40	600	12 SCH40	160	10 SCH40	160	B
11		Square tube	16x5/8	-	9x1/2	-	7x1/2	-	B
12		Channel easy way- legs out	MC18x58	60	MC18x58	40	MC18x58	60	B
13		Channel easy way- legs in	MC18x58	60	MC18x58	40	MC18x58	60	B
14		Beam easy way	W33x241	200	W16x77	80	W16x67	80	B
15		Beam easy way	W36x210	200	W21x93	80	W18x76	100	B B
16		Channel hard way	MC18x58	700	MC12x50	350	MC10x41,1	450	BC
17		Beam hard way	W24x117	150	W12x35	500	W10x33	400	BC
18		Beam hard way	W16x100	108	W10x39	400	W8x40	400	BC
Max. Section Modulus (in³)			287		42,7		36,6		
Power (HP)			95		87		37		
Roll Diameter (inch)			31,5		29,1		26		
Shaft Diameter (inch)			14,17/14,17		11,81/11,00		11,00/10,24		
Bending Speed (feet/min)			23		23		0-23		
Weight (lbs)			105.820		59.084		40.785		
WxLxH (feet)			15,8x21,6x13,4		11x14,3x7,4		9,4x12,5x7,3		

A: Standard rolls B: Special rolls C: Pulling device D: For bending without deformation and for serial production special rolls are required.




TECHNICAL INFORMATION
PRO 240
PRO 180

			Size	Diameter	Size	Diameter	ROLLS
1		Angle leg out	L6x6x1	100	L6x6x5/8	85	AD
2		Angle leg in	L6x6x1	130	L5x5x3/4	85	AD
3		T section leg out	WT6	90	WT6	60	AD
4		T section leg in	WT6	110	WT5	65	AD
5		T section leg side	WT6	85	WT8	60	AD
6		Plate hard way	8x1-1/4	100	6x1-1/2	70	A
7		Plate easy way	12x2-1/2	45	10x2	40	A
8		Square	4-1/2	60	3-1/2	45	A
9		Round	5	50	4-3/8	55	B
10		Tube	8 SCH40	100	6 SCH40	85	B
11		Square tube	6x3/8 6x6x0.375		5x5/16 4.5x4.5x0.313		B
12		Channel easy way-legs out	C15x50	60	C12x30	40	B
13		Channel easy way-legs in	C15x50	70	C12x30	45	B
14		Channel hard way	C8x18,75	410	C7x12,25	350	BC
15		Beam easy way	W12x53	60	W8x31	45	B
16		Beam easy way	W14x38	60	W12x35	45	B
17		Beam hard way	W8x21	200	W6x16	120	BC
18		Beam hard way	W6x25	150	W5x19	100	BC
Max. Section Modulus (in³)			19,5		12,8		
Power (HP)			40		20		
Roll Diameter (inch)			21,65		18,11		
Shaft Diameter (inch)			9,45/8,66		7,1/6,3		
Bending Speed (feet/min)			0-23		0-23		
Weight (lbs)			38.580		20.400		
WxLxH (feet)			7,4x11,0x6,8		6,6x7,9x5,6		

Data indicated above are based on steel with yield point 34.800 PSI. All specifications are subject to change without prior notice.

TECHNICAL INFORMATION			PRO 120		PRO 100		
			Size	Diameter	Size	Diameter	ROLLS
1		Angle leg out	L2x2x3/16 L4x4x3/8 L5x5x1/2	26 43 52	L2x2x1/4 L3-1/2x3-1/2x5/16 L4x4x3/8	28 40 55	AE F F
2		Angle leg in	L2x2x1/4 L3x3x5/16 L4x4x1/2	26 35 44	L2x2x1/4 L3x3x5/16 L4x4x3/8	32 47 63	AE
3		T section leg out	WT5	48	WT4	48	A
4		T section leg in	WT5	48	WT4	40	A
5		T section leg side	WT5	51	WT4	48	A
6		Flat hard way	1-1/2x3/8 5x1	20 60	1-1/2x3/8 4x13/16 4x1	16 24 63	AF
7		Flat easy way	8x2	40	2x3/8 4x1-9/16 7-1/2x1-3/8	16 24 40	AF
8		Square	3	32	1 2-3/8	16 40	AF
9		Round	3-3/8	36	1-1/2 2-3/4	16 32	B
10		Tube	2x0,79 6-1/4x0,157	24 118	2x0,79 5-1/2x0,118	24 118	B
11		Tube-Pipe	5 SCH40	70	2 SCH40 4 SCH40	16 63	B
12		Rectangle tube	2x5-1/2x0,196		1-1/2x1x0,078 5-1/2x1-1/2x0,125	23 157	B
13		Square tube	3-1/2x0,312		2x0,100 4x0,196	20 157	B
14		Channel easy way - legs out	C8x22,8	40	C7x12,75	32	AD F
15		Channel easy way - legs in	C8x22,8	47	C7x12,75	32	AD F
16		Channel hard way	C5x9	315			CB
17		Beam easy way	W6x20	51	W4x14	50	AD F
18		Beam easy way	S5x10	98	S7x20 W6x16	40 47	AD F
19		Beam hard way	S5x14,75	98	S5x14,75		CB
20		Beam hard way	W4x13 W6x16	102 59			CB
Max. Section Modulus (in³)			4,3 - 7,3		2,7 - 4,9		
Power (HP)			20		15		
Roll Diameter (inch)			15,35		12,4		
Shaft Diameter (inch)			4,72		3,94		
Bending Speed (feet/min)			13		18		
Weight (lbs)			10.405		4.940		
WxLxH (feet)			4,8x6,5x6,7		4,9x5,4x6,9		

A: Standard rolls B: Special rolls C: Pulling device D: For bending without deformation and for serial production special rolls are required. E: Angle device F: Stretching device

TECHNICAL INFORMATION			PRO 80		PRO 60		
			Size	Diameter	Size	Diameter	ROLLS
1		Angle leg out	L1-3/8x1-3/8x1/8 L2-1/2x2-1/2x5/16 L3x3x3/8	20 47 63	L1-1/8x1/8 L2x2x1/4	10 40	AD
2		Angle leg in	L1-1/2x1-1/2x1/8 L2-1/2x2-1/2x3/8 L3x3x3/8	24 40 78	L1-1/8x1/8 L2x2x3/16	16 40	AD
3		T section leg out	3x3x5/16	55	2x2x1/4	24	A
4		T section leg in	3x3x5/16	55	2x2x1/4	28	A
5		Plate hard way	1-9/16x3/8 3x1 4-13/16	12 28 82	1-3/4x3/8 2-3/8x13/16 3-1/8x1	9 20 83	A
6		Plate easy way	2x3/8 4-3/4x1-1/8	11 24	2x3/16 3x3/4	8 48	A
7		Square	1-3/8 1-3/4	12 40	5/8 1-1/2	14 55	A
8		Round	1-3/8 1-3/4	12 20	3/4 2"	14 32	B
9		Tube	1-1/2x0.078 4x0.0125	16 118	1x0.060 2-3/4x0.078	8 63	B
10		Tube-Pipe	1-1/2 SCH40 3 SCH40	16 63	3/4 SCH40 2 SCH40	8 40	B
11		Rectangle tube	4x1-1/2x0.0125	118	3-1-1/8x0.0125	266	B
12		Square tube	2-3/4x0.157	118	2x0.125	157	B
13		Channel easy way - legs out	5.5x2-3/8x5/16	48	3x2x1/4	32	AD
14		Channel easy way - legs in	5.5x2-3/8x5/16	48	3x2x1/4	32	AD
15		Beam easy way	S5x14.75	20			AD
Power (HP)			6,8		5,4		
Roll Diameter (inch)			9,65		6,97		
Shaft Diameter (inch)			3,15/3,15		2,36/2,36		
Bending Speed (feet/min)			13		21		
Weight (lbs)			3,285		2,140		
WxLxH (feet)			4,43x5,25x6,1		3,12x4,60x4,76		

Data indicated above are based on steel with yield point 34.800 PSI. All specifications are subject to change without prior notice.

TECHNICAL INFORMATION

PRO 55

			Size	Diameter	ROLLS
1		Angle leg out	L1-1/8x1/8	40	AC
2		Angle leg in	L1-1/8x1/8	47	AC
3		T section leg out	1-1/8x	23,6	A
4		T section leg in	1-1/8x	23,6	A
5		T section leg side	1-1/8x	23,6	A
6		Plate hard way	2x9/16	40	A
7		Plate easy way	3-1/8x13/16	47	A
8		Square	1,38x1,38	55	B
9		Round	1-1/2	31,5	B
10		Tube	2-3/4x1/16	63	B
11		Tube-Pipe	3/4SCH40	40	B
12		Rectangle tube	3-1-1/8x0,0125	157	B
13		Square tube	2x0,125	157	B
14		Channel easy way-legs out	3x2x1/4	31,5	A
15		Channel easy way-legs in	UNP80	40	A
Power (HP)			1.5		
Roll Diameter (inch)			6,18		
Shaft Diameter (inch)			2		
Bending Speed (feet/min)			9,7		
Weight (lbs)			1100		
WxLxH (feet)			3,11x3,28x4,76		

A: Standard rolls B: Special rolls C: Pulling device D: For bending without deformation and for serial production special rolls are required.



BENDMAK USA[®]
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Address: 10417 South County Road 39 Lithia, FL 33547

Phone: 833-236-3625

E-mail: info@bendmakusa.com

