

BANDSAW MACHINES

**BTMIZ**  
ADVANCED TECHNOLOGY BANDSAWS

**SEMIAUTOMATIC**  
90° TWIN-COLUMN



- 61.41 SA 90°
- 71.51 SA 90°
- 71.61 SA 90°
- 71.71 SA 90°
- 100.80 SA 90°
- 120.100 SA 90°

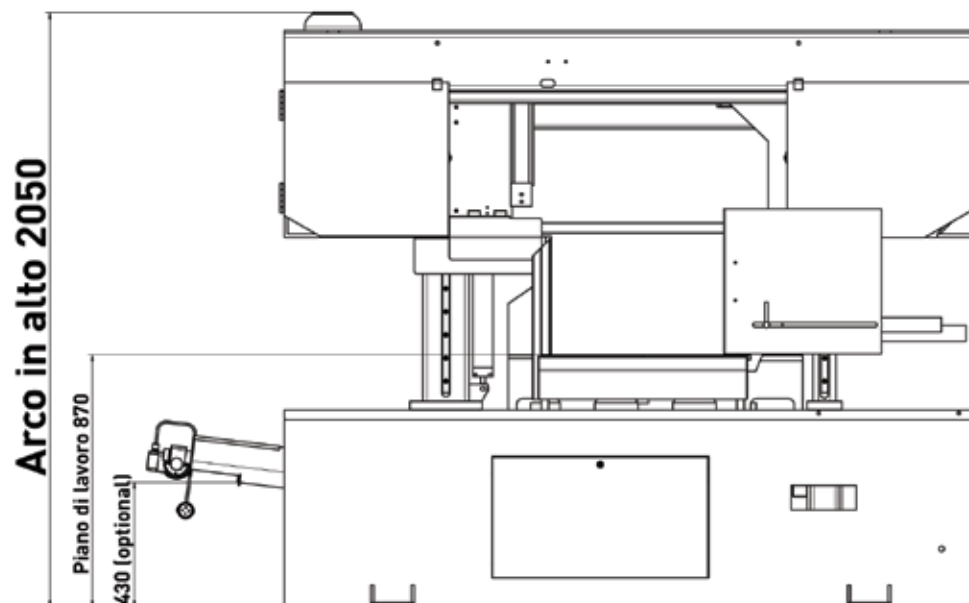
# FEATURES / ACCESSORIES

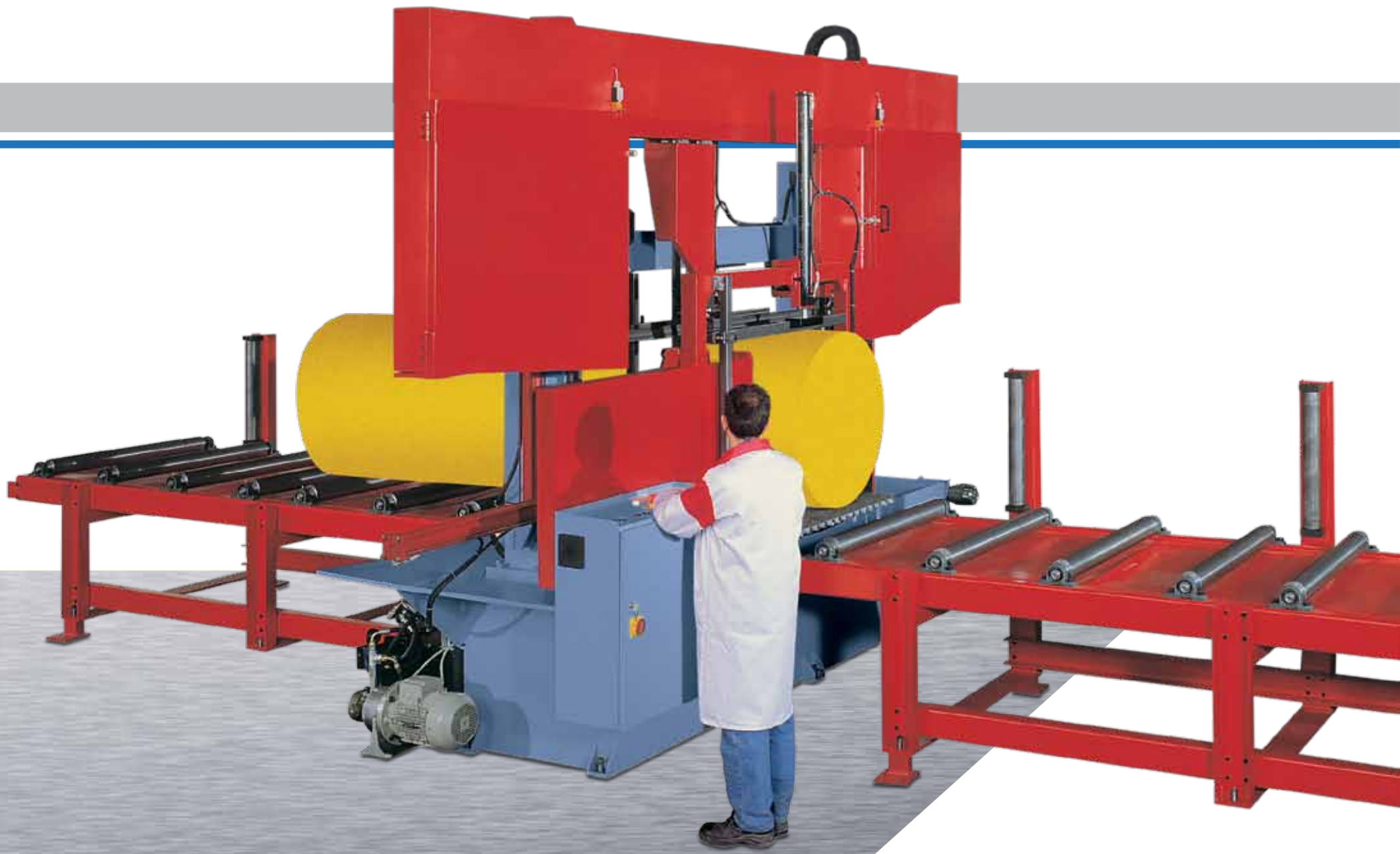
## FEATURES

- Bow, base, and columns are fabricated and then stress relieved to greatly reduce cutting vibrations
- Full vice opening/closing through hydraulic cylinder
- Carbide blade-guides
- Blade motor controlled by variable frequency drive
- Automatic, hydraulic blade tensioning with breakage control device
- Feeler pin
- Adjustable cutting limit switch to allow partial cuttings Low voltage system according to EC rules
- Flood coolant system
- PLC to control all the machine functions
- Embossed enamel finishing: red RAL 3001 - blue RAL 5014

## ACCESSORIES ON REQUEST

- Blade deflection control device
- Laser light to show blade
- Position on work piece
- Chip conveyor
- Mist cooling device
- Hydraulic bundle cutting (All Models)







	100.80 SA 90°	120.100 SA 90°
Cutting capacity mm	Ø 800 ∅ 1.000 x 800 ∅ -	Ø 1.000 ∅ 1.200 x 1.000 ∅ -
Band dimensions L x W x H	mm 9.310 x 54 x 1.6	mm 10.875 x 54 x 1.6
Blade speed	mt/min 20 ÷ 110	mt/min 15 ÷ 80
Fast descent	mm/1' 3.500	mm/1' 3.500
Working descent	mm/1' 0 ÷ 200	mm/1' 0 ÷ 200
Cutting accuracy	mm 0.1/100	mm 0.1/100
Working height	mm 630	mm 630
Blade motor	Kw 5.5	Kw 7.5
Hydraulic pump motor	Kw 1.5	Kw 3
Cooling pump motor	Kw 0.12	Kw 0.12
Bandsaw dimensions L x W x H	cm 350 x 200 x 280	cm 400 x 200 x 300
Loading dimensions L x W x H	cm 300 x 200 x 260	cm 350 x 200 x 280
Weight	Kg 4.800	Kg 5.500

	61.41 SA 90°	71.51 SA 90°	71.61 SA 90°	71.71 SA 90°
Cutting capacity mm	Ø 410 ▧ 410 ▧ 610 x 410 ▩ 600 x 400	Ø 510 ▧ 510 ▧ 710 x 510 ▩ 700 x 500	Ø 610 ▧ 610 ▧ 710 x 610 ▩ 700 x 600	Ø 710 ▧ 710 ▧ 710 x 710 ▩ 700 x 700
Band dimensions L x W x H	mm 5.200 x 34 x 1.1	mm 5.800 x 41 x 1.3	mm 6.300 x 41 x 1.3	mm 7.070 x 41 x 1.3
Cutting speed	mm/1' 20 ÷ 100	mm/1' 20 ÷ 100	mm/1' 15 ÷ 80	mm/1' 15 ÷ 80
Fast descent	mm/1' 3.500	mm/1' 3.500	mm/1' 3.500	mm/1' 3.500
Working descent	mm/1' 0 ÷ 200	mm/1' 0 ÷ 200	mm/1' 0 ÷ 200	mm/1' 0 ÷ 200
Cutting pressure	bar 2 ÷ 15	bar 2 ÷ 15	bar 2 ÷ 15	bar 2 ÷ 15
Working height	mm 870	mm 870	mm 870	mm 870
Blade motor	Kw 2.2	Kw 3	Kw 4	Kw 4
Hydraulic pump motor	Kw 0.75	Kw 0.75	Kw 0.75	Kw 0.75
Cooling pump motor	Kw 0.1	Kw 0.1	Kw 0.1	Kw 0.1
Chip conveyor motor	Kw 0.09	Kw 0.09	Kw 0.09	Kw 0.09
Bandsaw dimensions L x W x H	cm 288 x 120 x 215	cm 320 x 120 x 230	cm 320 x 120 x 248	cm 345 x 120 x 275
Loading dimensions L x W x H	cm 245 x 120 x 180	cm 300 x 120 x 200	cm 300 x 115 x 210	cm 342 x 115 x 225
Weight	Kg 1.300	Kg 1.500	Kg 1.600	Kg 1.800



## BTM North America

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## THE COMPANY

Since the beginning in 1982, BTM has developed a solid expertise and competence in machine development, design and production.

BTM specializes in the development of medium to large high performance bandsaw machines. These machines are produced utilizing a very heavy and strong structure and are ideal to cut any material from mild to high resistance such as hastelloy or iconel.

The close relationship between BTMs' development team and the final customer requirements, allows BTM to develop a product that exceeds the end users quality, reliability and productivity expectations. This is BTMs' ultimate goal in developing sawing equipment.

The design, assembly and final testing are all performed by highly skilled personnel at BTMs' state of the art production facilities.

BTM products are at the forefront of development for bandsawing technology and it is through this process that allows BTM to be a world leader in sales of sawing equipment. The development of the Automatic Cutting Parameters control is just one example of BTMs' engineering expertise.