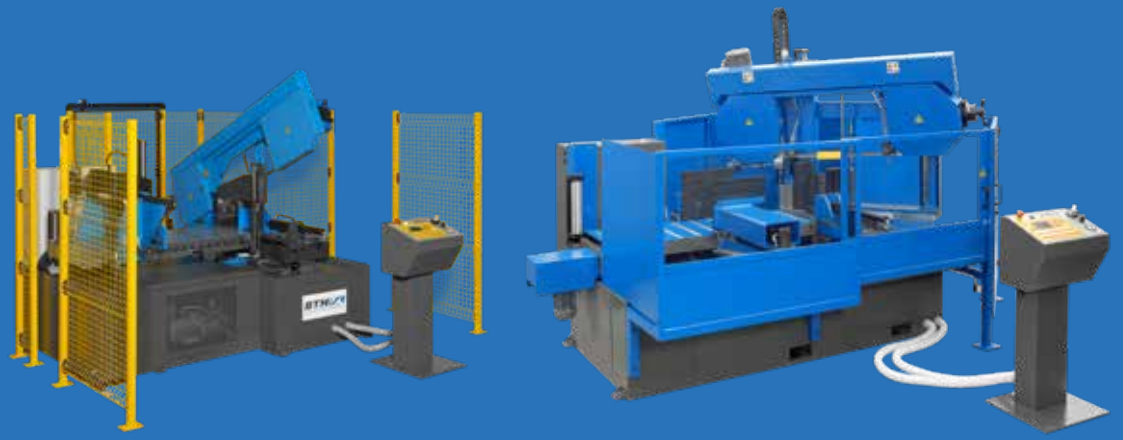
BTM

ADVANCED TECHNOLOGY BANDSAWS

AUTOMATIC MITRE CUTTING RIGHT / RIGHT-LEFT
AP LINE

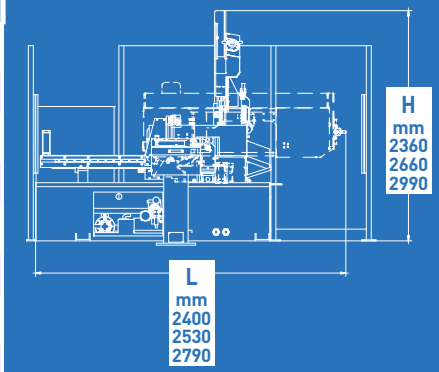


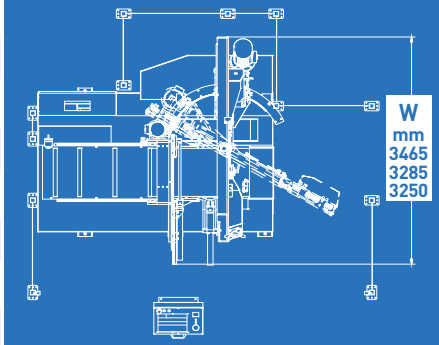
AUTOMATIC PIVOTING BANDSAW MACHINES 60° R CUTTING

Working height
870 mm

kg
2200
2500
2800

		Mod. **AP 5.3 A**			Mod. **AP 6.4 A**			Mod. **AP 7.5 A**		
		90°	45°	60°	90°	45°	60°	90°	45°	60°
Cutting capacities mm	∅	**310**	**310**	**240**	**410**	**410**	**320**	**510**	**490**	**370**
	▭	**310**	**310**	**230**	**410**	**410**	**300**	**510**	**490**	**350**
	▱	**510 x 310**	**350 x 250**	**240 x 150**	**610 x 410**	**460 x 250**	**320 x 180**	**710 x 510**	**560 x 240**	**400 x 240**
optional *Hydraulic bundle clamping device*	BASIC	**510 x 165**	-	-	**610 x 215**	-	-	**710 x 265**	-	-
	MAX	**510 x 310**	-	-	**610 x 410**	-	-	**710 x 510**	-	-
Blade dimensions		**4750 x 34 x 1,1 mm**			**5200 x 34 x 1,1 mm**			**5800 x 41 x 1,3 mm**		
Blade motor power		**2,2 kW**			**2,2 kW**			**3 kW**		
Feeding carriage motor power		**0,75 kW**			**0,75 kW**			**0,75 kW**		
Cooling pump motor power		**0,12 kW**			**0,12 kW**			**0,12 kW**		
Hydraulic pump motor power		**1,5 kW**			**1,5 kW**			**1,5 kW**		
Bow rotation motor power (optional)		**cc 170 v**			**cc 170 v**			**cc 170 v**		
Blade speed		**20 ÷ 100 m/min**			**20 ÷ 100 m/min**			**20 ÷ 100 m/min**		
Cutting downfeed		**0 ÷ 200 mm/min**			**0 ÷ 200 mm/min**			**0 ÷ 200 mm/min**		
Fast downfeed		**3500 mm/min**			**3500 mm/min**			**3500 mm/min**		
Carriage stroke		**800 mm***			**800 mm***			**800 mm***		





**Avaiable with different carriage stroke on request.*

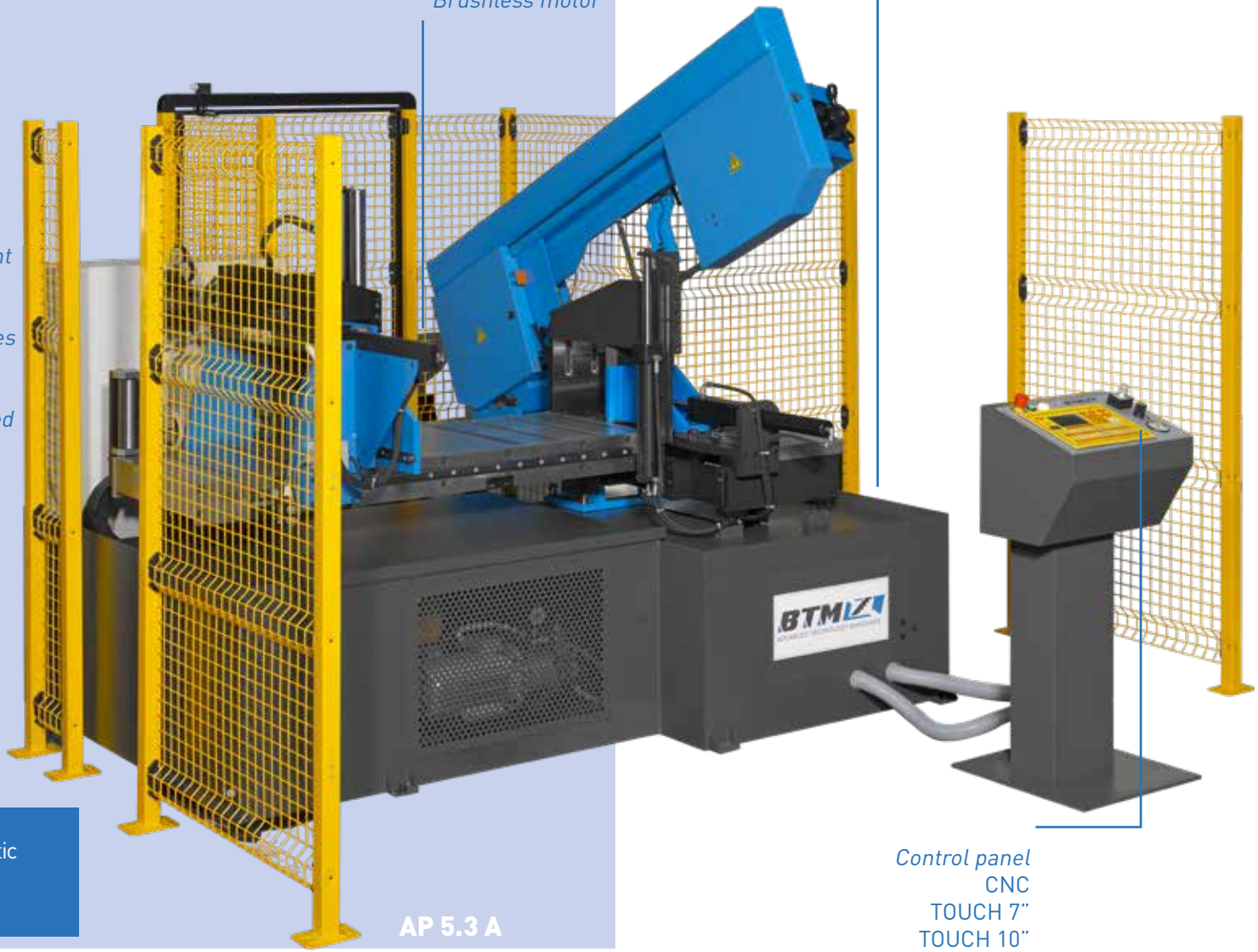
Pivoting automatic Bandsaw Machines at hydraulic control of the working downfeed, specifically designed for cutting profiles, tubes and beams.

Technical features

- *Bow and base made in welded steel structure*
- *Hydraulic blade tensioning with manual adjustment*
- *Reducer unit with hardened and ground gears*
- *Bow manual rotation*
- *Low voltage electrical system according to EC rules*
- *Cutting angle digital display*
- *Feeding carriage controlled by Brushless motor*
- *Automatic bow fast up/down movements controlled by feeler pin*
- *Cleaning brush*

Feeding carriage controlled by Brushless motor

Chip conveyor



Control panel
CNC
TOUCH 7"
TOUCH 10"

Image for demonstration purposes only. All the automatic machines will be sold with all the protective covers

AP 5.3 A

AUTOMATIC PIVOTING BANDSAW MACHINES 60° R / L CUTTING

Working height ***870 mm***

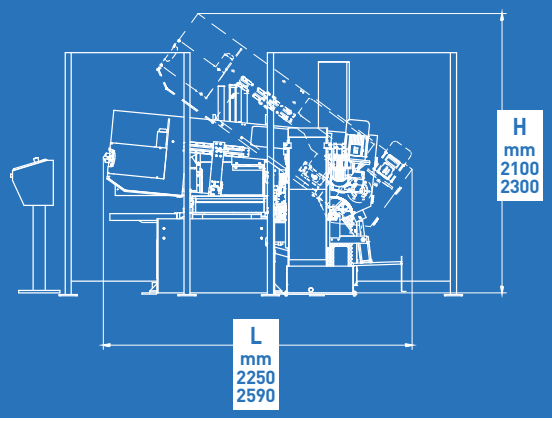
kg ***3150 3320 3475 3665***

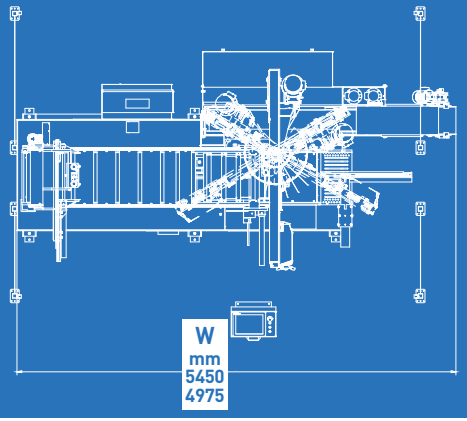
Models AP 3.3/5.3 A DS 3 are different from AP 6.4/7.5 A DS 3 because of a movable carriage vice and not a fix one.

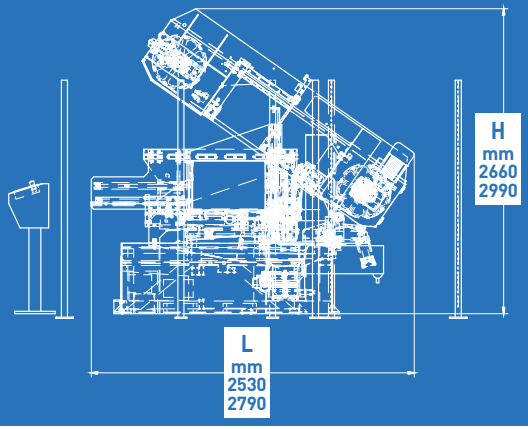
		Mod. **AP 3.3 A DS 3**					Mod. **AP 5.3 A DS 3**				
		90°	45° DX-R	60° DX-R	45° SX-L	60° SX-L	90°	45° DX-R	60° DX-R	45° SX-L	60° SX-L
Cutting capacities mm	⌀	300	220	150	230	110	300	300	220	300	220
	▭	290	200	140	220	110	300	300	220	300	220
	▱	300x290	180x240	120x240	220x240	110x240	500x220	350x200	220x250	350x200	200x220
optional *Hydraulic bundle clamping device*	BASIC	300x155	-	-	-	-	500x120	-	-	-	-
	MAX	300x290	-	-	-	-	500x220	-	-	-	-
Blade dimensions		3820 x 27 x 0,9 mm					4750 x 34 x 1,1 mm				
Blade motor power		1,5 kW					2,2 kW				
Feeding carriage motor powerv		1,95 Nm Brush-Less					2,5 Nm				
Cooling pump motor power		0,12 kW					0,12 kW				
Hydraulic pump motor power		1,5 kW					1,5 kW				
Bow rotation motor power (optional)		cc 170 V					cc 170 V				
Chip conveyor motor power		0,09 KW					0,09 KW				
Blade speed		20 ÷ 100 m/min					20 ÷ 100 m/min				
Cutting downfeed		0 ÷ 200 mm/min					0 ÷ 200 mm/min				
Carriage stroke		3000 mm*					3000 mm*				

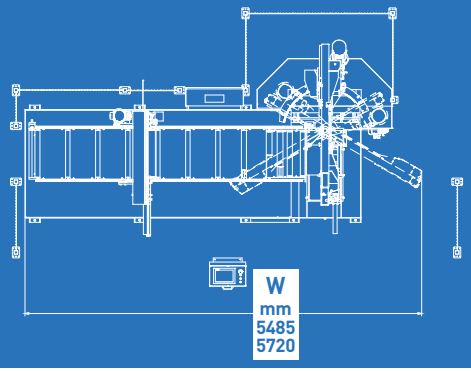
		Mod. **AP 6.4 A DS 3**					Mod. **AP 7.5 A DS 3**				
		90°	45° DX-R	60° DX-R	45° SX-L	60° SX-L	90°	45° DX-R	60° DX-R	45° SX-L	60° SX-L
Cutting capacities mm	⌀	410	410	320	410	330	510	510	370	510	380
	▭	410	410	300	410	310	510	500	350	500	360
	▱	610x410	460x250	320x180	460x250	320x180	710x510	560x320	400x240	560x320	400x240
optional *Hydraulic bundle clamping device*	BASIC	610x215	-	-	-	-	710x265	-	-	-	-
	MAX	610x410	-	-	-	-	710x510	-	-	-	-
Blade dimensions		5200 x 34 x 1,1 mm					5800 x 41 x 1,3 mm				
Blade motor power		2,2 kW					3 kW				
Feeding carriage motor powerv		5,6 Nm					5,6 Nm				
Cooling pump motor power		0,12 kW					0,12 kW				
Hydraulic pump motor power		1,5 kW					1,5 kW				
Bow rotation motor power (optional)		cc 170 V					cc 170 V				
Chip conveyor motor power		0,09 KW					0,09 KW				
Blade speed		20 ÷ 100 m/min					20 ÷ 100 m/min				
Cutting downfeed		0 ÷ 200 mm/min					0 ÷ 200 mm/min				
Carriage stroke		3000 mm*					3000 mm*				

*Avaiable with different carriage stroke on request.









Pivoting automatic Bandsaw Machines at hydraulic control of the working downfeed, specifically designed for cutting profiles, tubes and beams.

AP 6.4 / 7.5 A DS
Fix carriage vice

Feeding carriage controlled by Brushless motor

Control panel
CNC
TOUCH 7”
TOUCH 10”

Movable carriage vice

Chip conveyor

AP 5.3 A DS

Technical features

- *Bow and base made in welded steel structure*
- *Hydraulic blade tensioning with manual adjustment*
- *Reducer unit with hardened and ground gears*
- *Automatic bow fast up/down movements controlled by feeler pin*
- *Low voltage electrical system according to EC rules*
- *Cutting angle digital display*
- *Feeding carriage controlled by Brushless motor*
- *Bow manual rotation*
- *Cleaning brush*

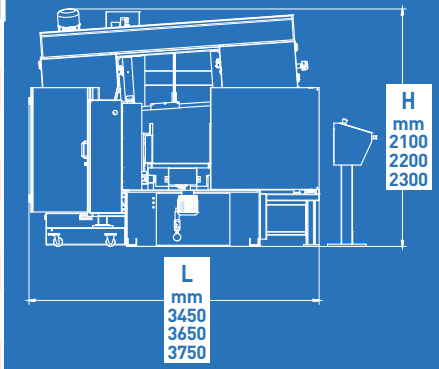
Image for demonstration purposes only. All the automatic machines will be sold with all the protective covers

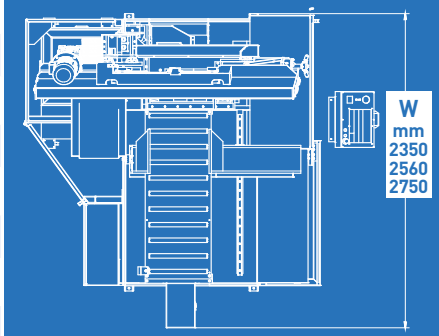
AUTOMATIC TWIN COLUMN BANDSAW MACHINES 60° R CUTTING

Working height
840 mm

kg
1650
2300
2800

		Mod. **AP 350 A**			Mod. **AP 450 A**			Mod. **AP 500 A**		
		90°	45°	60°	90°	45°	60°	90°	45°	60°
Cutting capacities mm	∅	**350**	**280**	**170**	**450**	**340**	**190**	**500**	**350**	**230**
	▭	**350**	**280**	**170**	**450**	**340**	**190**	**500**	**350**	**230**
	▱	**400 x 350**	**240 x 350**	**170 x 350**	**500 x 450**	**340 x 240**	**190 x 400**	**500 x 500**	**350 x 460**	**230 x 460**
optional *Hydraulic bundle clamping device* BASIC		**400 x 185**	**-**	**-**	**500 x 235**	**-**	**-**	**500 x 260**	**-**	**-**
MAX		**400 x 350**	**-**	**-**	**500 x 450**	**-**	**-**	**500 x 500**	**-**	**-**
Blade dimensions		**4000 x 34 x 1,1 mm**			**4950 x 34 x 1,1 mm**			**5300 x 41 x 1,3 mm**		
Blade motor power		**2,2 kW**			**3 kW**			**4 kW**		
Feeding carriage motor power		**0,37 kW**			**0,37 kW**			**0,75 kW**		
Cooling pump motor power		**0,12 kW**			**0,12 kW**			**0,12 kW**		
Hydraulic pump motor power		**0,37 kW**			**0,37 kW**			**0,75 kW**		
Bow rotation motor power (optional)		**cc 170 v**			**cc 170 v**			**cc 170 v**		
Blade speed		**20 ÷ 100 m/min**			**20 ÷ 100 m/min**			**20 ÷ 100 m/min**		
Cutting downfeed		**0 ÷ 200 mm/min**			**0 ÷ 200 mm/min**			**0 ÷ 200 mm/min**		
Fast downfeed		**3500 mm/min**			**3500 mm/min**			**3500 mm/min**		
Carriage stroke		**800 mm***			**800 mm***			**800 mm***		





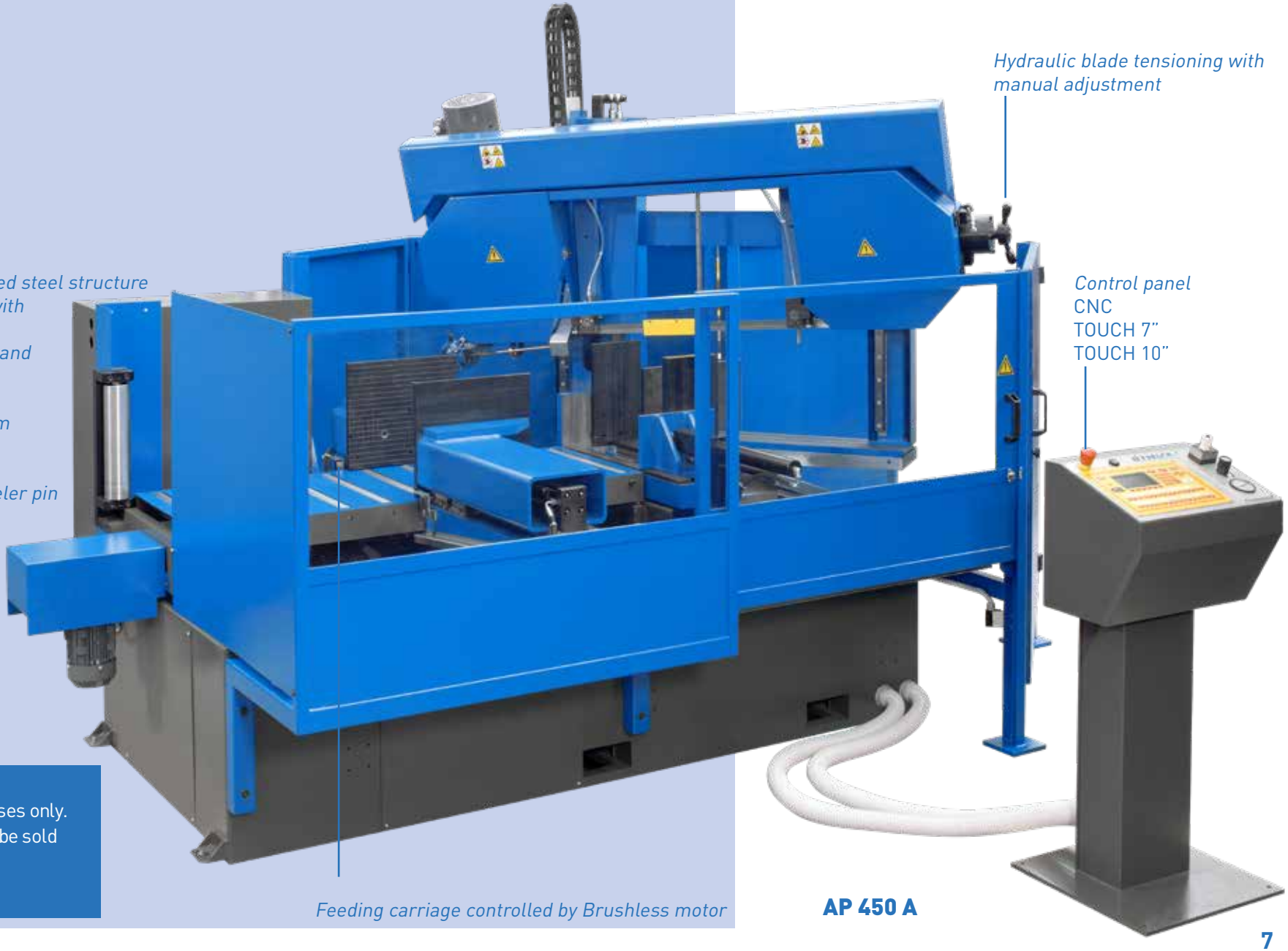
**Avaiable with different carriage stroke on request.*

Twin column automatic Bandsaw Machines at hydraulic control of the working downfeed, specifically designed for cutting profiles, tubes and beams.

Technical features

- *Bow and base made in welded steel structure*
- *Hydraulic blade tensioning with manual adjustment*
- *Reducer unit with hardened and ground gears*
- *Bow manual rotation*
- *Low voltage electrical system according to EC rules*
- *Automatic bow fast up/down movements controlled by feeler pin*
- *Feeding carriage controlled by Brushless motor*
- *Cutting angle digital display*
- *Cleaning brush*

Image for demonstration purposes only.
All the automatic machines will be sold with all the protective covers



AP 450 A

Optional accessories and roller tracks

- *Powered roller*
- *Powered roller knurled temprated*
- *Piece aligner*
- *Roller track connection table at pneumatic cylinder (for pivoting bandsaws)*
- *Connection plates (for twin column bandsaws)*
- *Adjustable vice pressure*
- *Chip conveyor (for twin column bandsaws)*
- *Bow mitre rotation device*
- *Blade deflection control device (standard on TOUCH version)*
- *Dry cooling device*
- *Hydraulic bundle clamping device*
- *Industry 4.0 (only for TOUCH)*
- *Teleservice (only for TOUCH)*

kg
1.200 kg/m

Infeed roller track
Carrying capacity : 1.200 Kg/m.
With water collection tank.
Available in modules from 1 to 6 m long.
Different lengths on request.
Avaiable roller pitch : 450/250/125 mm.

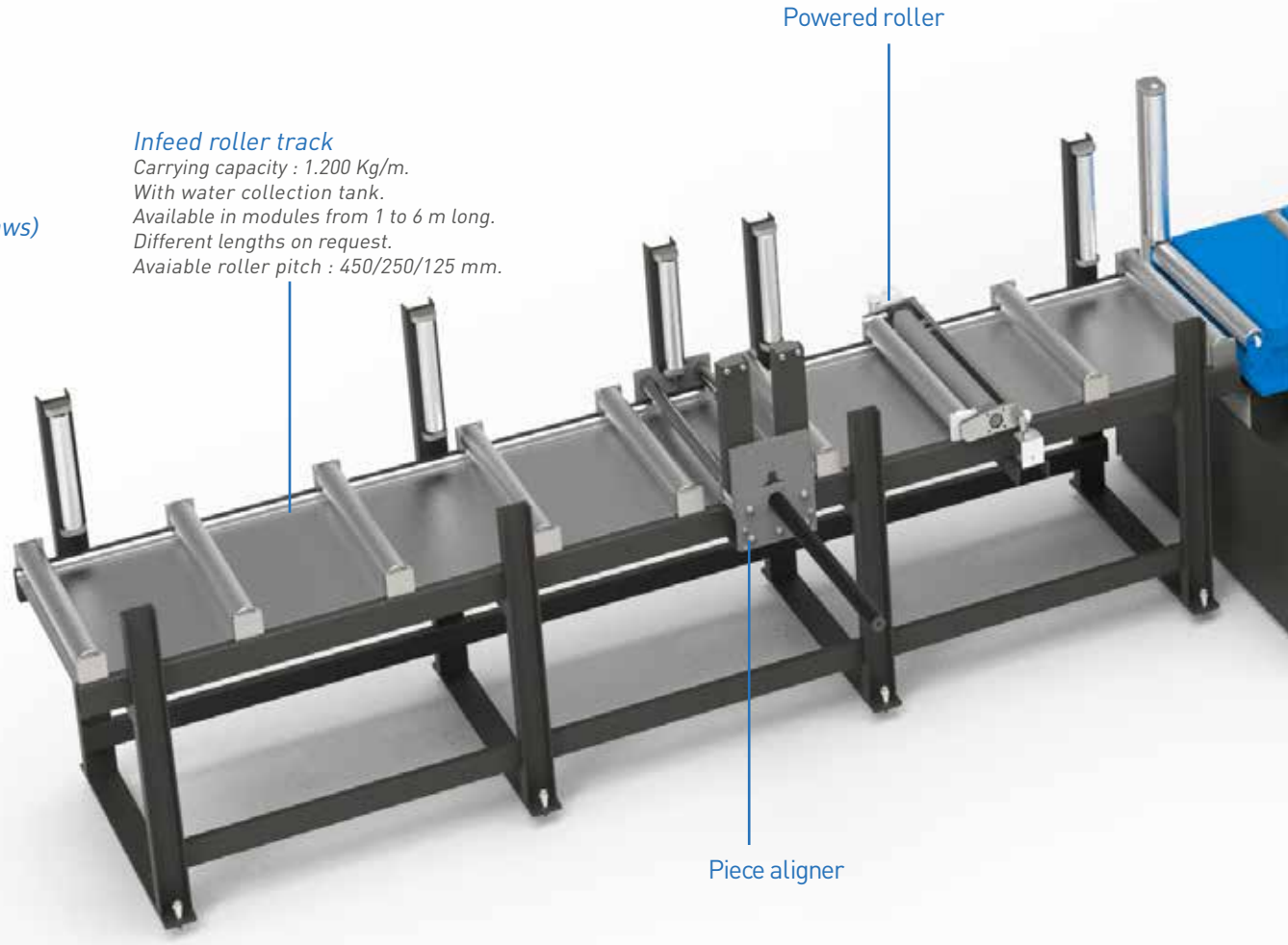
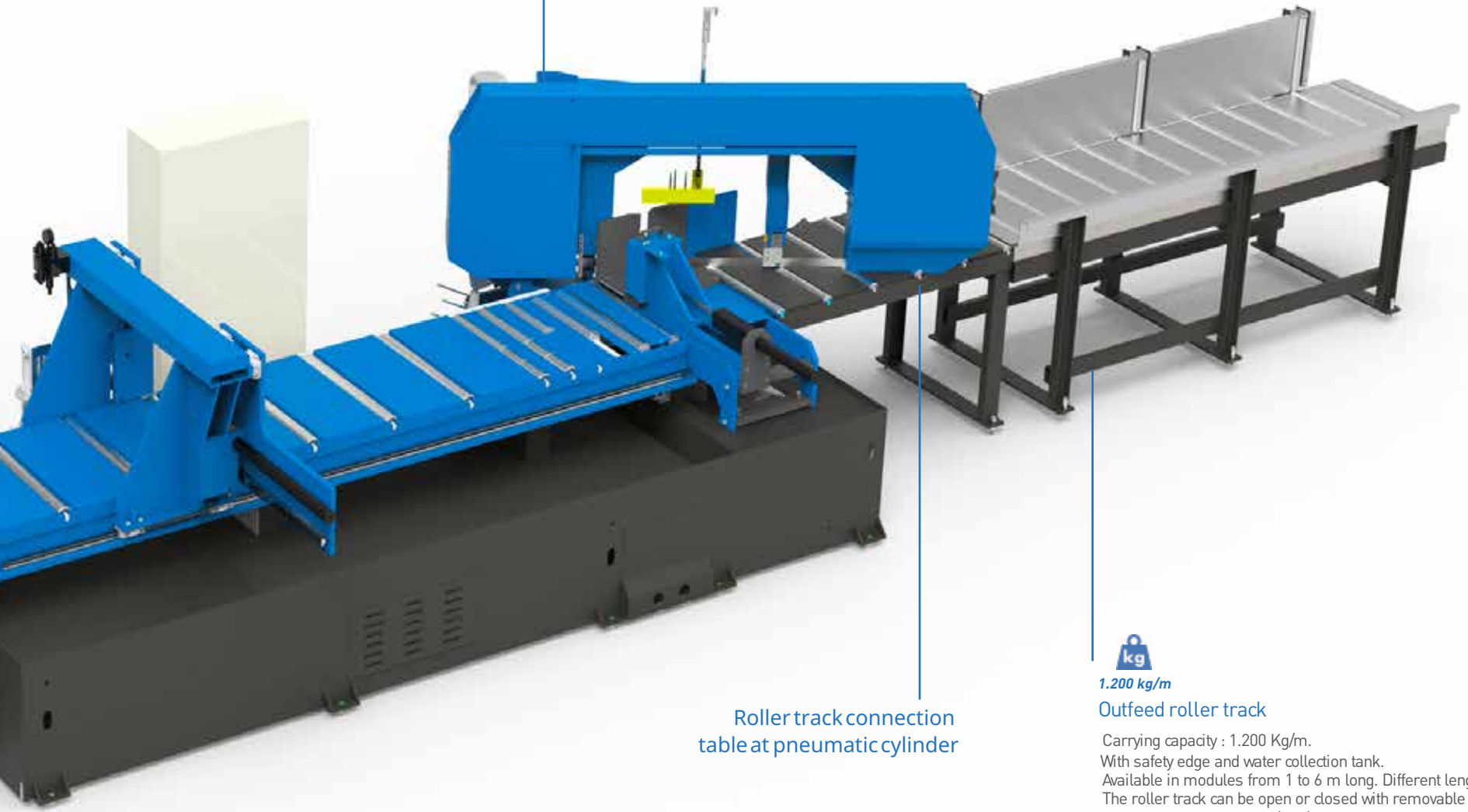


Image for demonstration purposes only. All the automatic machines will be sold with all the protective covers

Mod AP 7.5 A DS 3



Roller track connection table at pneumatic cylinder

1.200 kg/m

Outfeed roller track

Carrying capacity : 1.200 Kg/m.
With safety edge and water collection tank.
Available in modules from 1 to 6 m long. Different lengths on request.
The roller track can be open or closed with removable plates between rollers.
Avaiable roller pitch : 450/250/125 mm.

OUR CUSTOM MADE SYSTEMS DESIGNED TO MEET THE NEEDS OF OUR CUSTOMERS

AP 7.5 A DS carriage stroke 5500 mm with infeed and outfeed roller track

Since 1982

BTM

ADVANCED TECHNOLOGY BANDSAWS

Btm srl Unipersonale
Via F.lli Kennedy, 8
24060 Carobbio degli Angeli
Bergamo (Italy)

Tel. +39 035 4251125

info@btm.it
www.btm.it

facchinettiforlani.com 07/21

BTM since the early 80s is the leader in the design and production of special and oversized bandsaw machines, to satisfy the special needs of the customers who want a reliable, safe and custom-made product.

The final result is a custom machine developed by the close co-operation between BTM and its customers. The design engineering, production, assembly, and the final machine testing are all performed by highly skylled personnel at btm's plants, following the "MADE IN ITALY" philosophy.

Btm Srl reserves the right at any time and without advance notice to introduce modifications to the present catalogue. The images and data in this catalogue must be considered for you for reference only.