



**BTM**   
ADVANCED TECHNOLOGY BANDSAWS

# SEMI-AUTOMATIC MITRE CUTTING RIGHT / RIGHT-LEFT AP LINE



## SEMIAUTOMATIC PIVOTING BANDSAW MACHINES 60° R

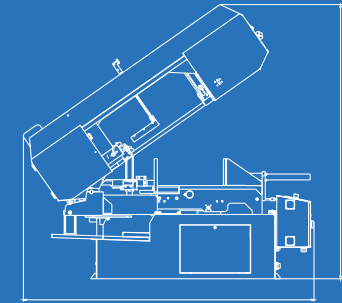


Working height  
870 mm



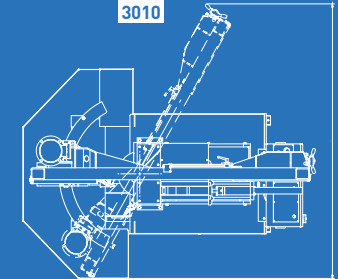
kg  
1200  
1400  
1700

		Mod. <b>AP 5.3 SA</b>			Mod. <b>AP 6.4 SA</b>			Mod. <b>AP 7.5 SA</b>		
		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		
Cooling pump motor power		0,06 kW			0,06 kW			0,06 kW		
Hydraulic pump motor power		0,37 kW			0,37 kW			0,55 kW		
Blade speed		20 ÷ 100 m/min			20 ÷ 100 m/min			20 ÷ 100 m/min		



H  
mm  
2355  
2560  
2890

L  
mm  
2660  
2800  
3010



W  
mm  
2150  
2150  
2450

## SEMIAUTOMATIC PIVOTING BANDSAW MACHINES 60° R-L CUTTING

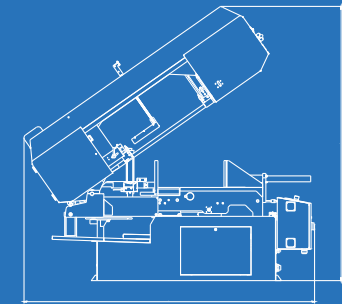


Working height  
870 mm



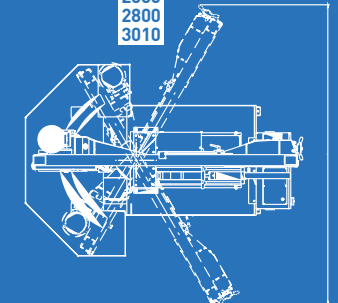
kg  
1200  
1400  
1700

		Mod. <b>AP 5.3 SA DS</b>					Mod. <b>AP 6.4 SA DS</b>					Mod. <b>AP 7.5 SA DS</b>				
		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	90°	45° DX-R	60° DX-R	45° SX-L	60° SX-L
Cutting capacities mm		310	310	240	310	250	410	410	320	410	320	510	510	370	510	380
		310	310	230	310	240	410	400	290	410	300	510	500	350	500	360
		510 x 310	350 x 250	240 x 150	350 x 250	250 x 150	610 x 410	460 x 250	320 x 180	450 x 270	320 x 170	710 x 510	560 x 320	400 x 240	560 x 320	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				
Blade motor power		2,2 kW					2,2 kW					3 kW				
Cooling pump motor power		0,06 kW					0,06 kW					0,06 kW				
Hydraulic pump motor power		0,37 kW					0,37 kW					0,55 kW				
Blade speed		20 ÷ 100 m/min					20 ÷ 100 m/min					20 ÷ 100 m/min				



H  
mm  
2355  
2560  
2890

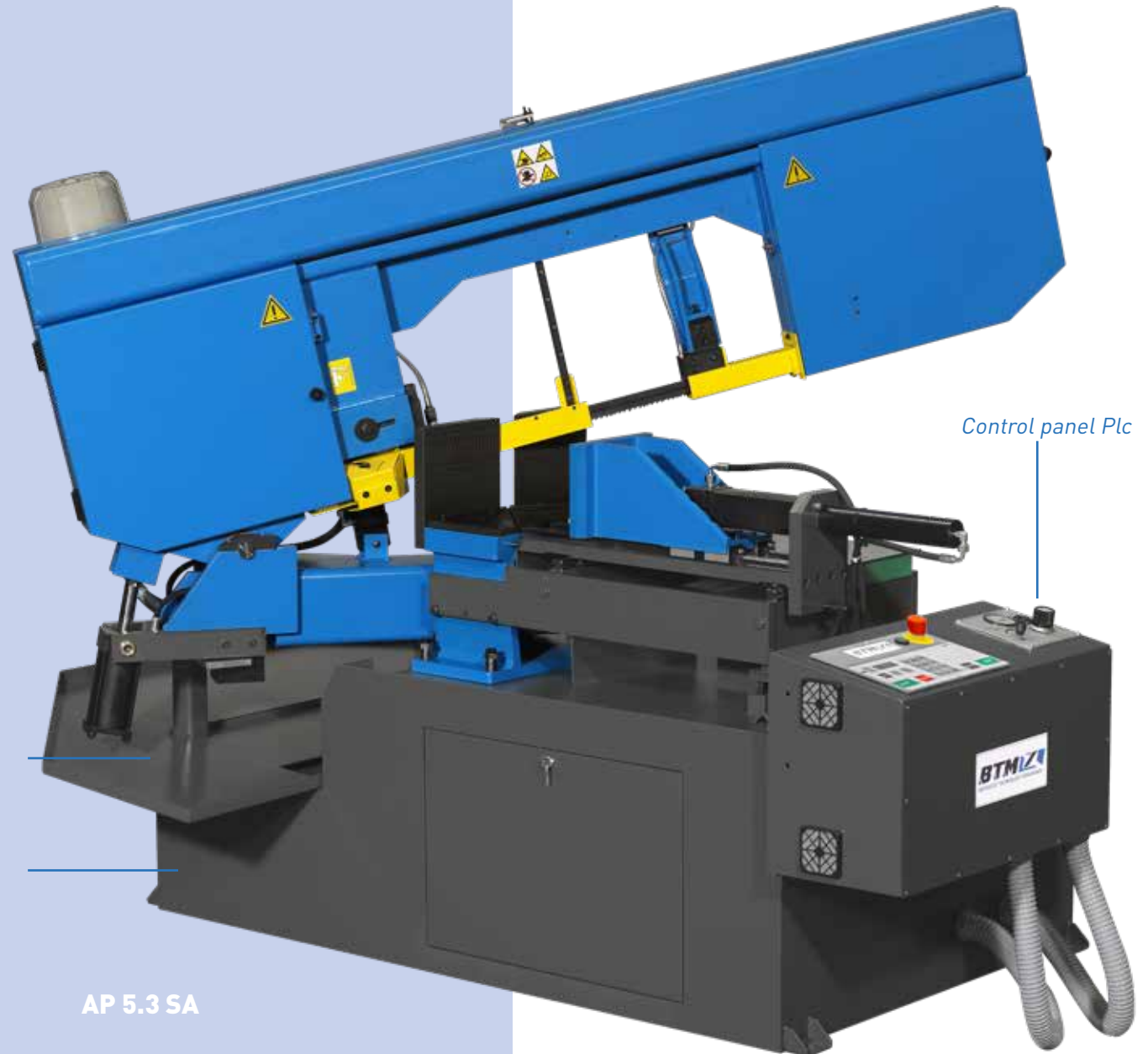
L  
mm  
2660  
2800  
3010



W  
mm  
2445  
2445  
3070

Pivoting semiautomatic bandsaw machines at hydraulic control of the working downfeed, specifically designed for cutting profiles, tubes and beams.

Smart, reliable and equipped with a user-friendly control panel; this machine series, thanks to its versatility, allows the final user to choose the best cutting solution according to the material section to be cut.



*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 with hydraulic positioning block
- Cutting angle digital display
- Inverter
- Cleaning brush
- Low voltage electrical system according to EC rules

Bow manual rotation with hydraulic positioning block

Bow, base and columns made in welded steel construction

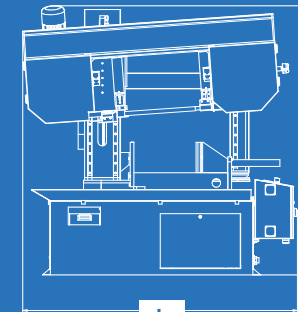
Control panel Plc

**AP 5.3 SA**

# SEMI-AUTOMATIC TWIN-COLUMN BANDSAW MACHINES 60° R CUTTING

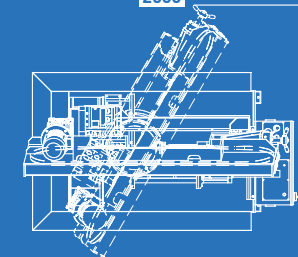


		Mod. AP 350 SA			Mod. AP 450 SA			Mod. AP 500 SA		
		90°	45°	60°	90°	45°	60°	90°	45°	60°
Cutting capacities mm		350	280	170	450	340	190	500	350	230
		350	280	170	440	340	190	480	350	230
		400 x 350	240 x 350	170 x 350	500 x 440	-	-	500 x 480	350 x 460	-
optional Hydraulic bundle clamping device	BASIC	400 x 185	-	-	500 x 230	-	-	500 x 250	-	-
	MAX	400 x 350			500 x 440			500 x 480	-	-
Blade dimensions		4000 x 34 x 1,1			4580 x 34 x 1,1 mm			5300 x 41 x 1,3 mm		
Blade motor power		2,2 kW			2,2 kW			3 kW		
Cooling pump motor power		0,12 kW			0,12 kW			0,12 kW		
Hydraulic pump motor power		0,37 kW			0,37 kW			0,55 kW		
Blade speed		20 ÷ 100 m/min			20 ÷ 100 m/min			20 ÷ 100 m/min		



H  
mm  
2070  
2210  
2260

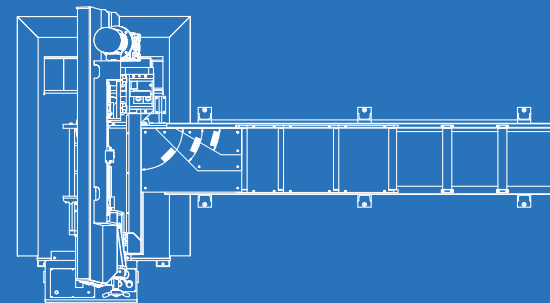
L  
mm  
1900  
2260  
2560



W  
mm  
1800  
2100  
2310



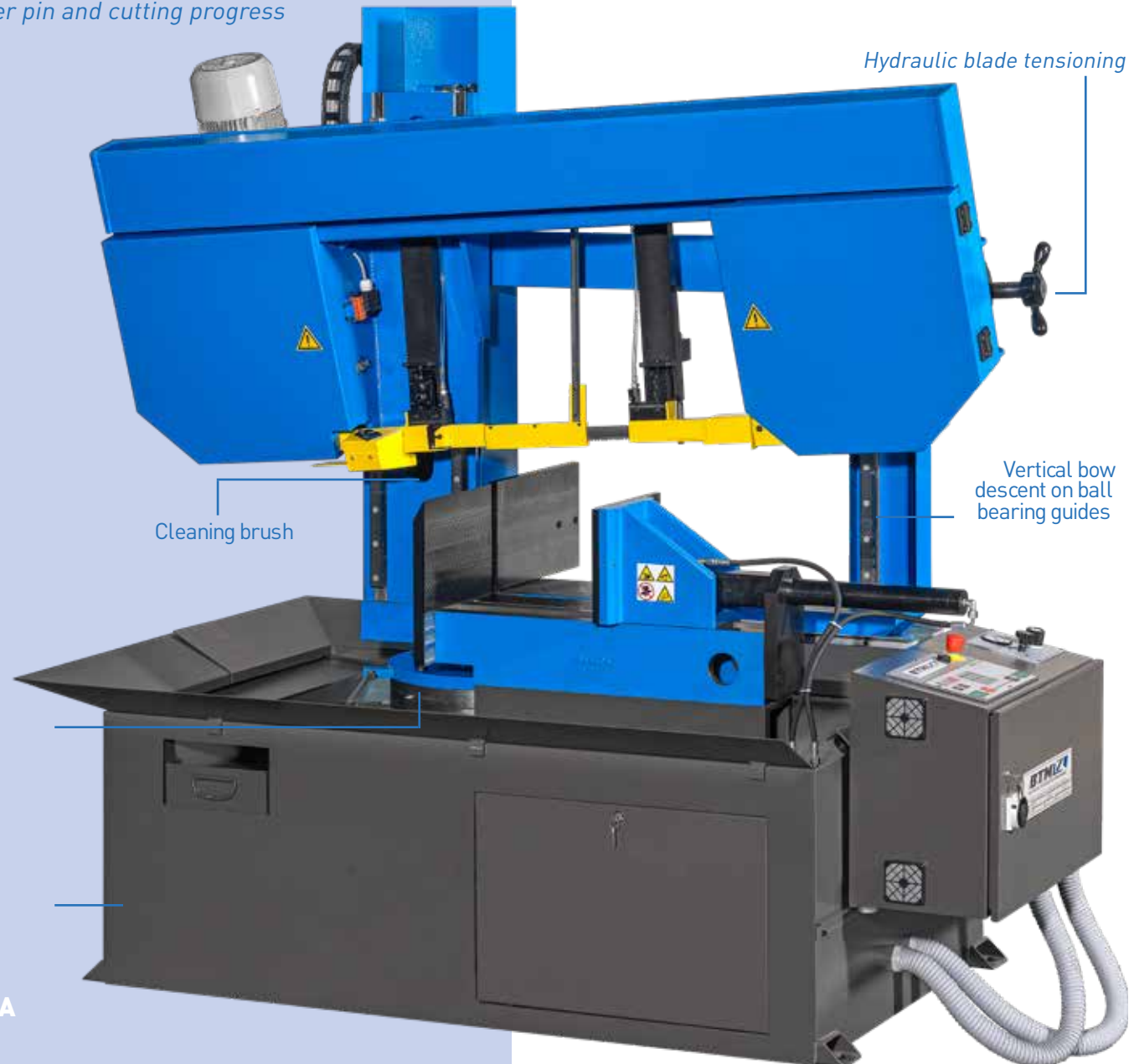
To connect the roller tracks to the machine are required connection plates on request.



*Twin column semiautomatic bandsaw machine equipped with bow and vice movement at hydraulic control, automatic fast up/down bow movement controlled by feeler pin and cutting progress with infinitesimal adjustment.*

*Technical features*

- Bow, base and columns made in welded steel structure
- Vertical bow descent on ball bearing guides
- Hydraulic blade tensioning
- Reducer unit with hardened and ground gears
- Bow manual rotation with mechanical positioning block
- Cleaning brush
- Inverter
- Low voltage electrical system according to EC rules



Hydraulic blade tensioning

Vertical bow descent on ball bearing guides

Cleaning brush

Bow manual rotation with mechanical positioning block

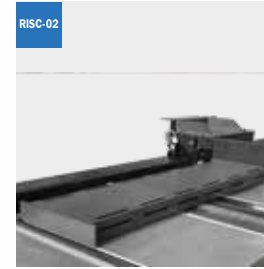
Bow, base and columns made in welded steel construction

**AP 450 SA**

## Optional accessories and roller tracks



Mechanical length stop with sliding on iron pipe and manual lifting



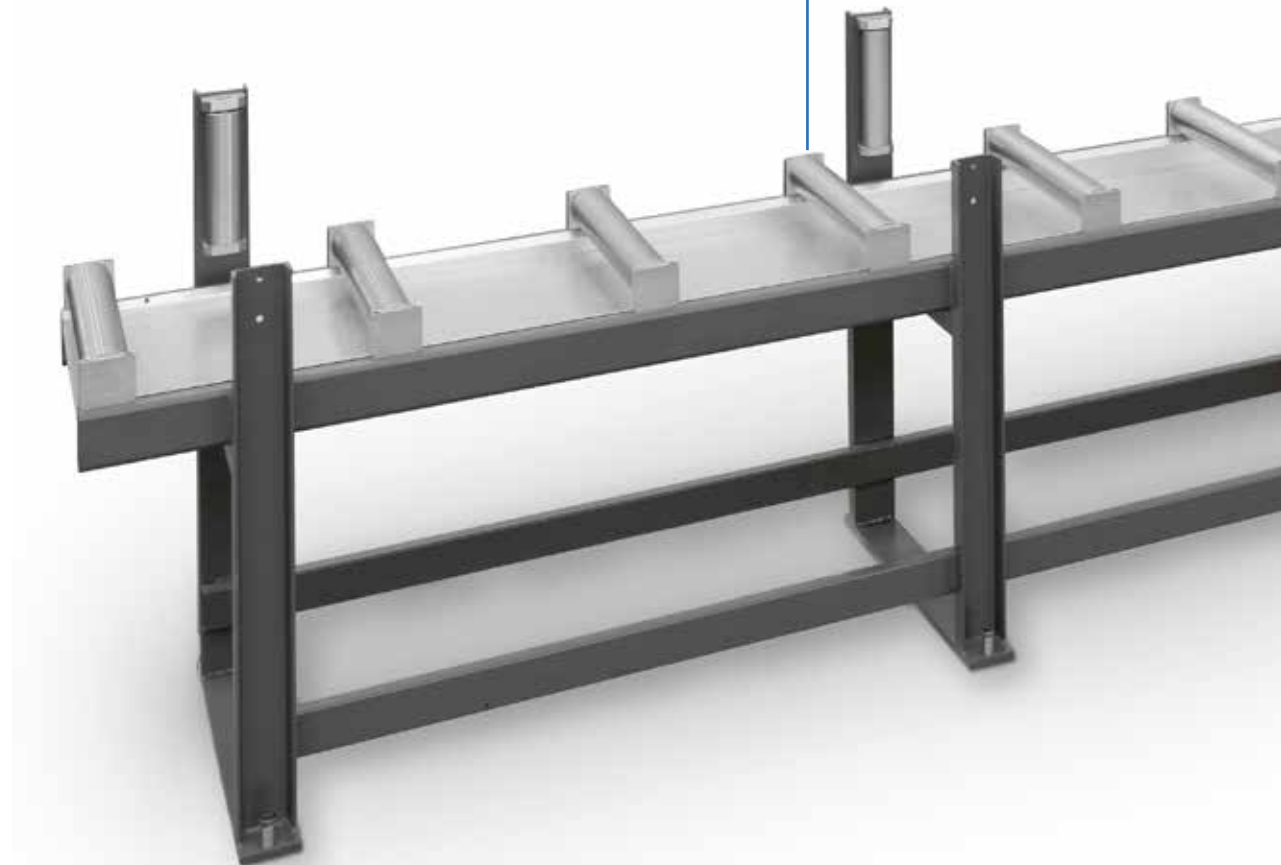
Powered length stop with sliding on iron pipe with encoder and pneumatic lifting

  
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.  
Available roller pitch : 450/250/125 mm.*

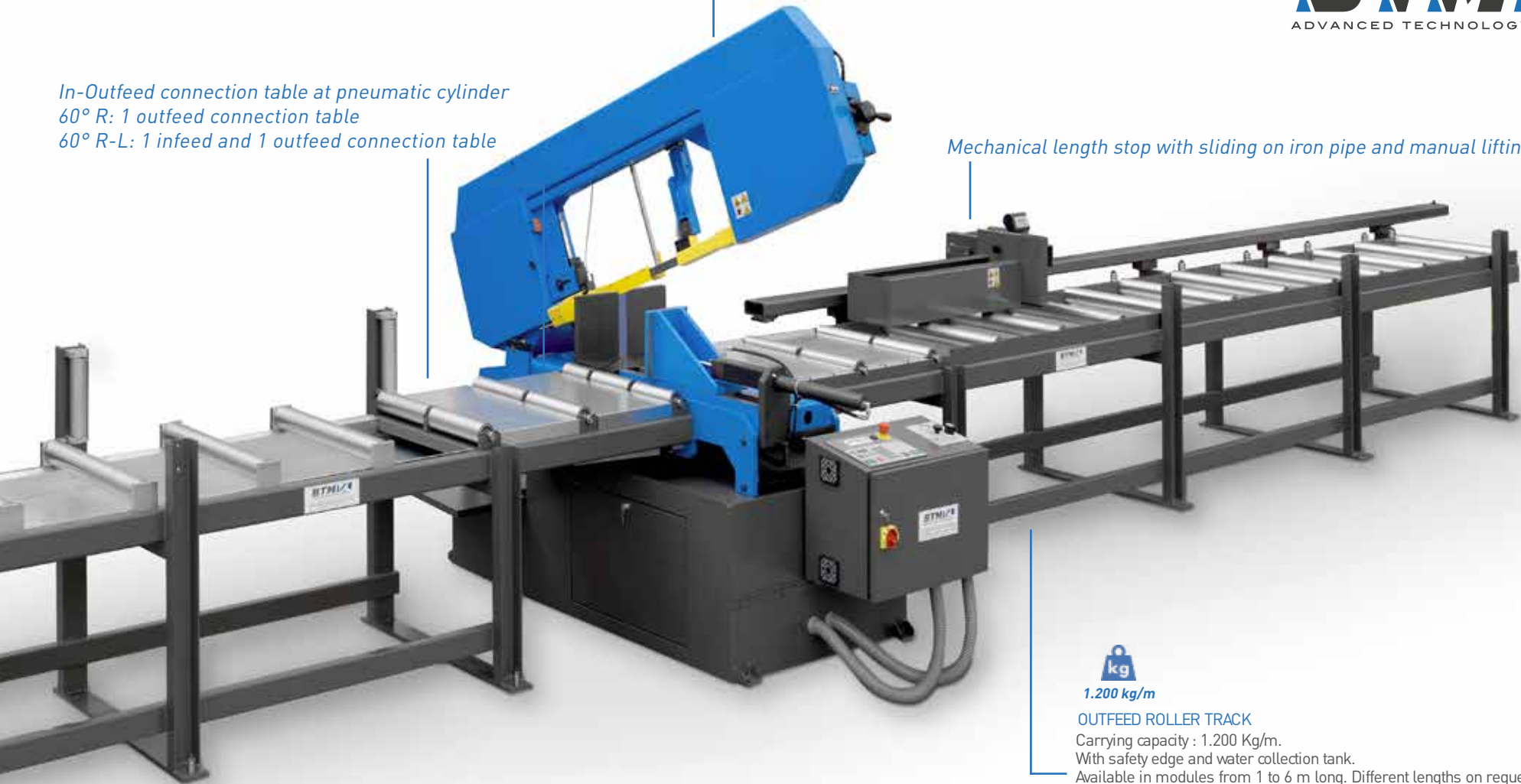
- *Powered roller*
- *Powered roller knurled tempered*
- *Piece aligner*
- *Adjustable vice pressure*
- *Blade position optical control device (laser)*
- *Blade deflection control device*
- *Dry cooling device*
- *Hydraulic bundle clamping device BASIC*
- *Hydraulic bundle clamping device MAX (with vice jaws extension)*
- *Bow mitre rotation device*
- *In-Outfeed connection table at pneumatic cylinder*
- *Chip conveyor*
- *Sliding vice hydraulic cylinder (only for 60° R/ L)*



Mod AP 6.4 SA DS

*In-Outfeed connection table at pneumatic cylinder  
60° R: 1 outfeed connection table  
60° R-L: 1 infeed and 1 outfeed connection table*

*Mechanical length stop with sliding on iron pipe and manual lifting*



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.

Available roller pitch : 450/250/125 mm.

Since 1982



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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 skilled personnel at btm's plants, following the "MADE IN ITALY" philosophy.

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