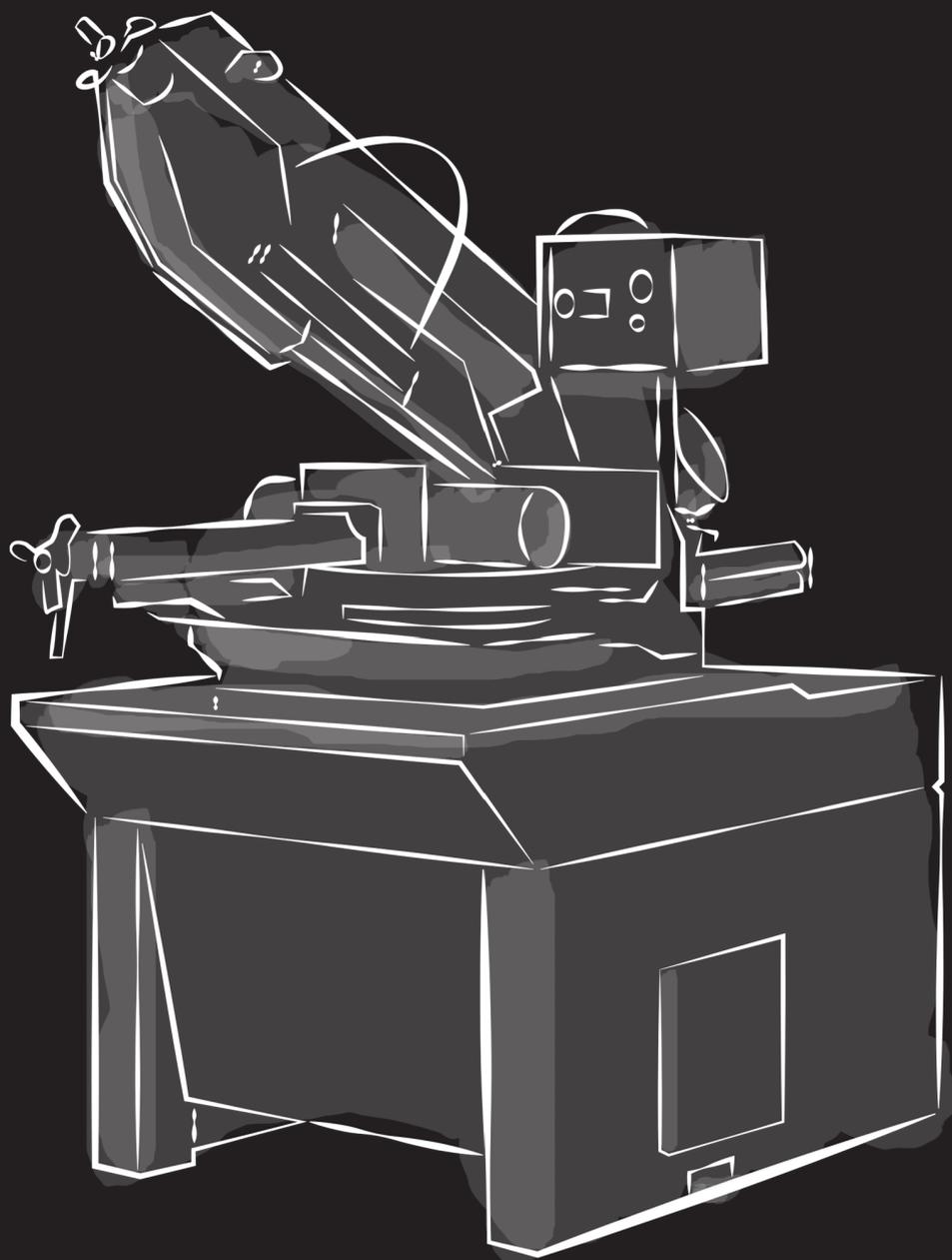




PEDRAZZOLI



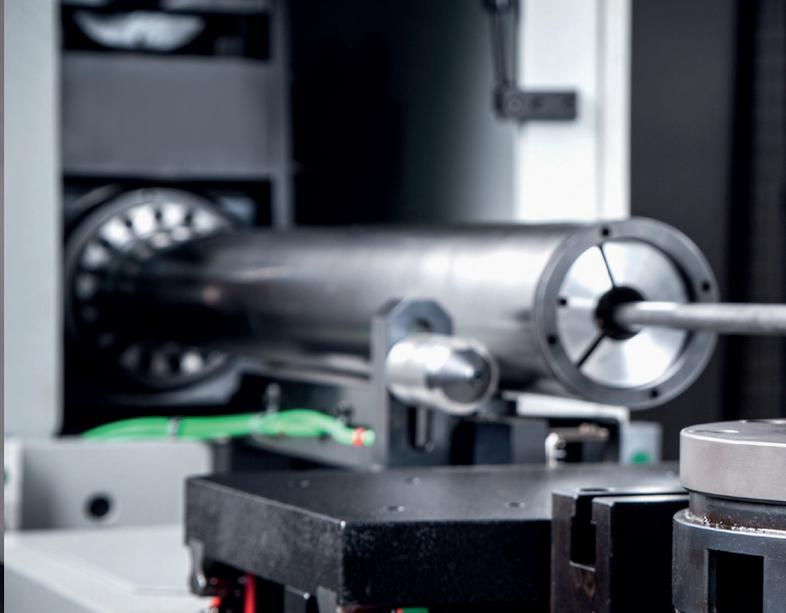
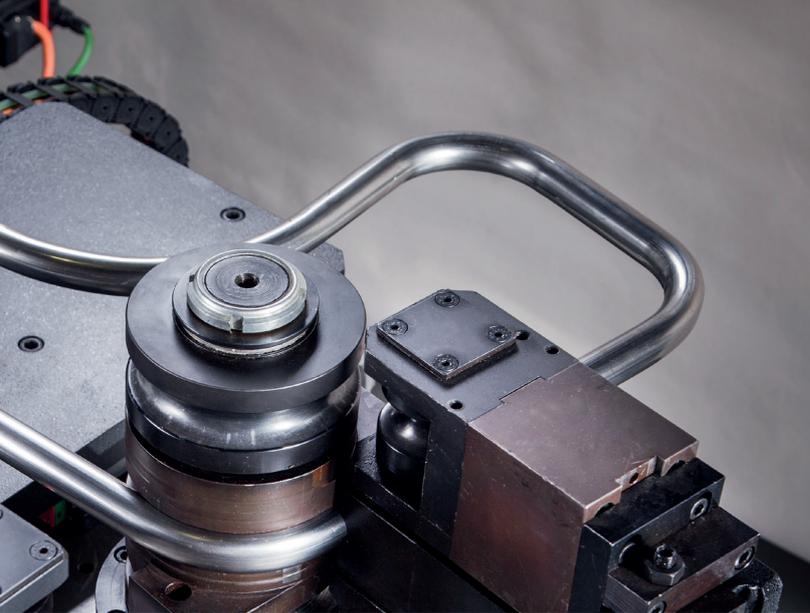
BANDSAWS



CML INTERNATIONAL
FUTURE IS NOW

SINCE 1973





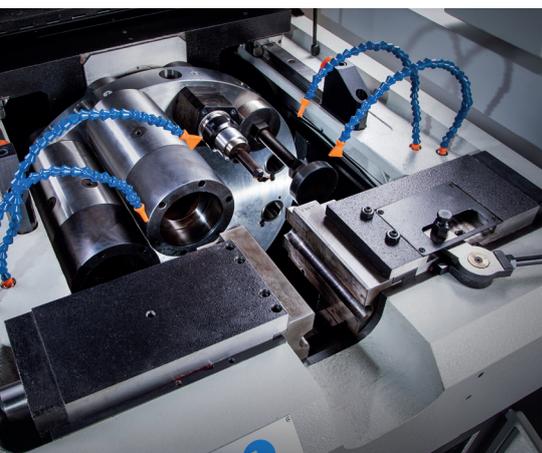
PEDRAZZOLI

The future begins now.

Since 1948 PEDRAZZOLI® has been producing machines for cutting, bending and endforming that have been exported all over the world over the years.

The Pedrazzoli® plant covering over 17,000 square meters, opened in the 1950s in Bassano del Grappa, is a national reference point.

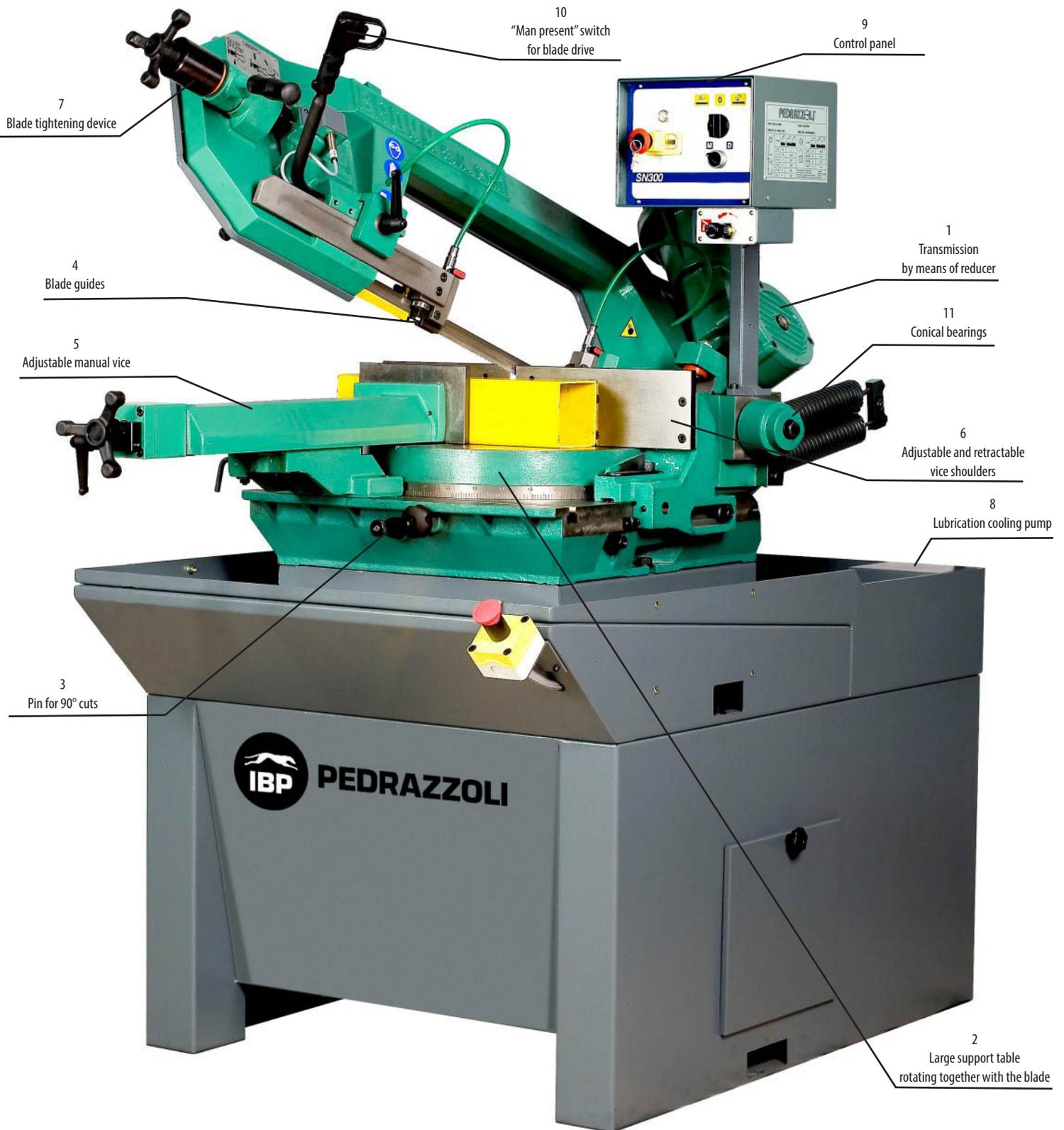
A reliable and highly experienced industrial group, able to provide the best solutions in the processing of pipe and metal profiles, from pre-sales to service. Purchased in 2018 by CML international S.p.A., Made in Italy profile benders manufacturer, with the aim of strengthening a widespread sales coverage on the national and international territory.





BROWN SN 300

MANUAL BAND SAW





BROWN SN 300

MANUAL BAND SAW

BROWN SN 300 MANUAL BAND SAW

2 Speed Three-phase (V 400 - 50 Hz, other voltages upon request)

MAIN FEATURES

All main machine components are in cast iron. Very robust structure reduces noise level and vibrations during cutting cycle.

- 1. Motor is in vertical position** to reduce dimensions at rear, the transmission is made by means of a worm drive gearbox in oil bath (1:40 ratio).
- 2. Large circular support base:** it offers an ample surface to support piece during cutting cycle and allows to reach a high grade of precision in cutting perpendicularity. It rotates over a tempered ball track giving maximum smoothness during rotation.
- 3. Adjustable bow position** by means of a key on eccentric bushing for 90° cuts, by means of mechanical stops at 45° right & 45-60° left.
- 4. Blade guides:** they drive the blade sliding by means of widia hard metal plaques with bearings on eccentric bushings.
- 5. Adjustable manual vice.** It can be positioned lengthwise along the entire machine base. Vice features: rapid closing, closing hand wheel, flat adjustable gib plate.
- 6. Retractable and adjustable vice shoulders.** Pushing back the retractable vice shoulder, it is possible to reach the maximum cutting capacity (330 x 150 mm, at 90°). The adjustable vice shoulder allow always to obtain a precise alignment.
- 7. Blade tightening device:** this is the best solution for a constant and uniform blade tension.
- 8. Blade lubrication cooling system** with electric pump and two adjustable taps placed on blade guides.
- 9. Control panel** located in an easily accessible position with ON/OFF switch, cutting speed selector (2 speeds), MANUAL/DYNAMIC cutting selector (for machines with Newton device), emergency push button to cut off the power to the motor in case of emergency.
- 10. Blade start switch** with "man present" guard. The safety switch for blade drive is guarded by a cover against accidental start-up. It works in low voltage.
- 11. The hinged bow** is moved on a support with conical bearings.

ACCESSORIES UPON REQUEST:

Micromist lubrication

MRP pneumatic quick clamp kit

Laser cutting indicator

Mechanical speed variator

Loading & unloading conveyors

CUTTING CAPACITY

TECHNICAL DATA

	 45	 0	 45	 60
 mm	160	220	200	130
 mm	120	290	150	110
 mm	160 x 130	330 x 150	160 x 130	110 x 110
 kW	1.25 / 1.75			
 m/1*	35 / 70			
 mm	360			
 mm	2825 x 27.0 x 0.9			
 kg	430			
 mm	1400 x 1500 x 1800			



BROWN SN 300

MANUAL BAND SAW



Blade guide with adjustable width plates



Vice with quick approach, can be positioned transversally along the entire machine base. Adjustable vice shoulders



Blade guides with Widia plates



Digital display (upon request)



BROWN SN 300 NEWTON

MANUAL BAND SAW





BROWN SN 300 NEWTON

MANUAL BAND SAW

BROWN SN 300 NEWTON MANUAL BAND SAW

2 Speed Three-phase (V 400 - 50 Hz, other voltages upon request)

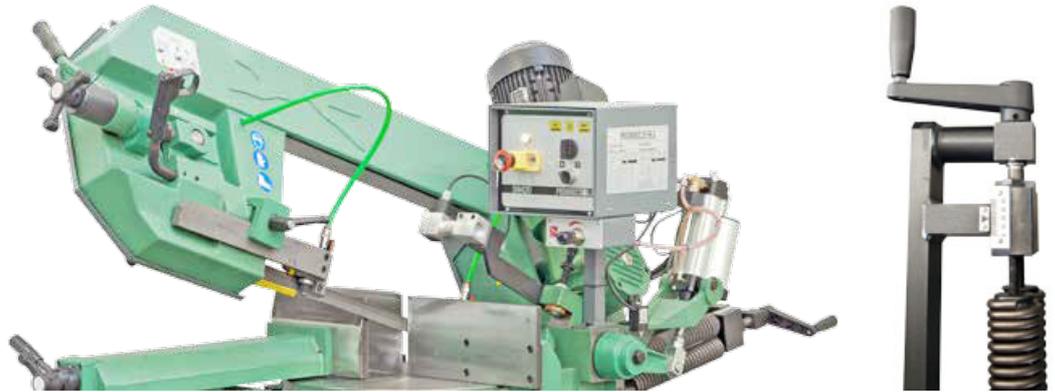
NEWTON DEVICE DESCRIPTION

M - Manual mode: Put the selector in M position (manual). Turn the apposite handwheel so that it matches the index with 0 (zero) indicated on the scale. In this way we tighten the saw balancing contrast spring. Lock the piece by closing the vice. Press the start button and go on with the normal manual cutting cycle: remember that the bow descent is activated only by pressing the start button. It is possible to adjust bow descent pression acting on flow regulator.

D - Dynamic mode: Put the selector in D position (dynamic). Turn the apposite handwheel so that it matches the index with 40 (forty) indicated on the scale. In this way we loose the sawbalancing contrast spring. Adjust the limit switch at the end of the cut. Lock the piece by closing the vice, position the blade above the piece to be cut and press the start button. Now it is possible to adjust bow descent pression by means of the flow regulator: hence the bow go down by gravity autonomously. At the end of the cut the limit switch will stop the blade motion. Raise the bow above the piece and replace the bar to be cut.

ACCESSORIES UPON REQUEST:

- Micromist lubrication
- MRP pneumatic quick clamp kit
- Laser cutting indicator
- Mechanical speed variator
- Loading & unloading conveyors



Newton device



Gear reducer

CUTTING CAPACITY

TECHNICAL DATA

				
	45	0	45	60
 mm	160	220	200	130
 mm	120	290	150	110
 mm	160 x 130	330 x 150	160 x 130	110 x 110
 kW	1.25 / 1.75			
 m/1*	35 / 70			
 mm	360			
 mm	2825 x 27.0 x 0.9			
 kg	430			
 mm	1400 x 1500 x 1800			

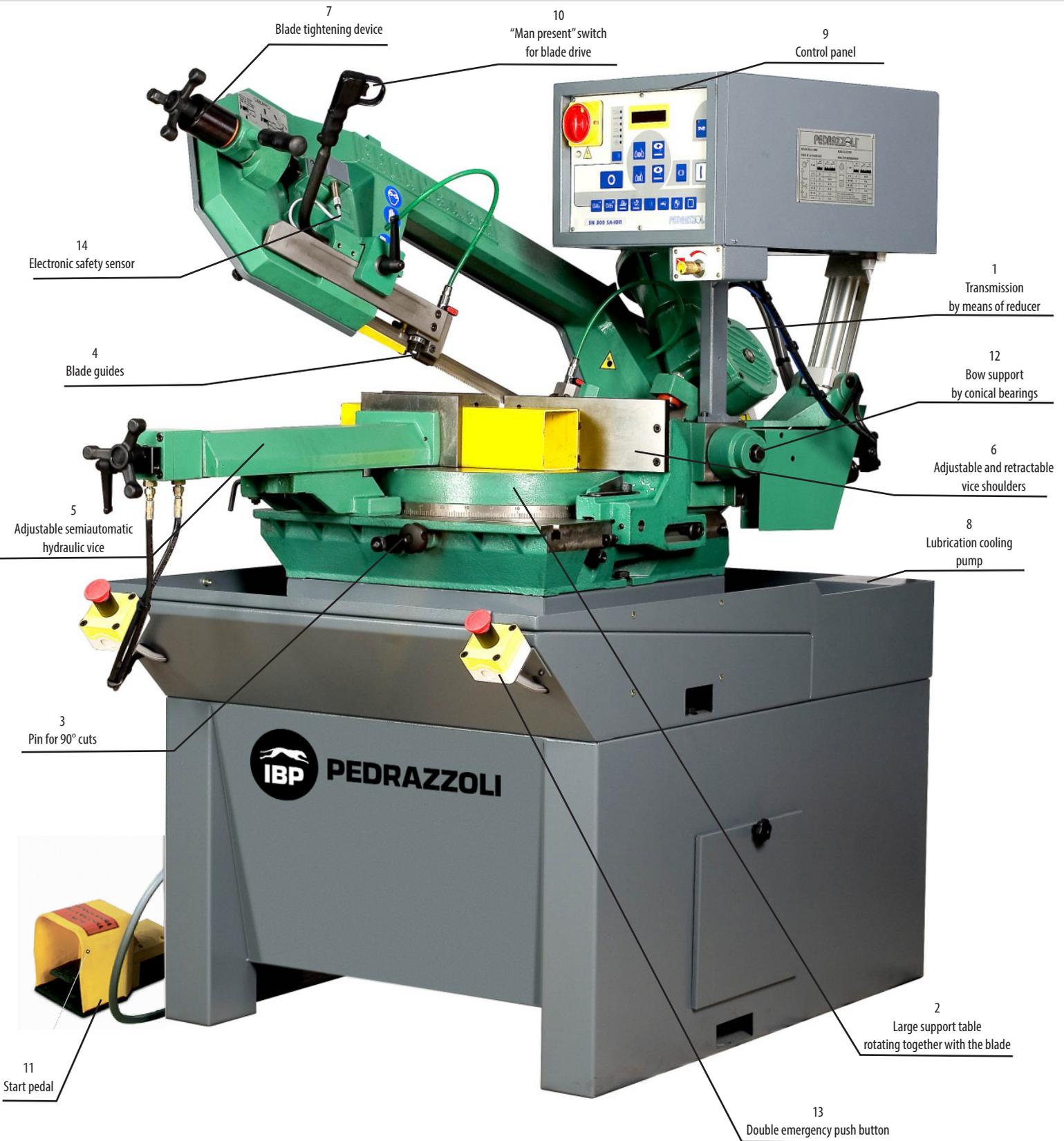


Large circular table rotating together with the bow to ensure optimal support of the piece to be cut



BROWN SN 300 SA

SEMI-AUTOMATIC BAND SAW





BROWN SN 300 SA

SEMI-AUTOMATIC BAND SAW

BROWN SN 300 SA SEMIAUTOMATIC BAND SAW

2 Speed Three-phase (V 400 - 50 Hz, other voltages upon request)

MAIN FEATURES

All main machine components are in cast iron. Very robust structure reduces noise level and vibrations during cutting cycle.

1. **Motor is in vertical position** to reduce dimensions at rear, the transmission is made by means of a worm drive gearbox in oil bath (1:40 ratio).
2. **Large circular support base:** it offers an ample surface to support piece during cutting cycle and allows to reach a high grade of precision in cutting perpendicularity. It rotates over a tempered ball track giving maximum smoothness during rotation.
3. **Adjustable bow position** by means of a key on eccentric bushing for 90° cuts, by means of mechanical stops at 45° right & 45°-60° left.
4. **Blade guides:** they drive the blade sliding by means of widia hard metal plaques with bearings on eccentric bushings.
5. **Hydraulic cylinder** for adjustable vice motion. It can be positioned lengthwise along the entire machine base. Vice features: rapid closing, closing hand wheel, flat adjustable gib plate.
6. **Retractable and adjustable vice shoulders.** Pushing back the retractable vice shoulder, it is possible to reach the maximum cutting capacity (330 x 150 mm, at 90°). The adjustable vice shoulder allow always to obtain a precise alignment.
7. **Blade tightening device:** this is the best solution for a constant and uniform blade tension.
8. **Blade lubrication cooling system** with electric pump and two adjustable taps placed on blade guides.
9. **Control panel** located in an easily accessible position.
10. **Blade start switch** with "man present" guard. It starts blade rotation during manual cutting cycle; it is guarded by a cover against accidental start-up. It works in low voltage.
11. **Drive pedal** for semiautomatic cutting cycle.
12. **The hinged bow** moves on a support with conical bearings.
13. **Double emergency push button** located in front of the machine frame for greater safety in case of need.
14. **Electronic safety sensor** to stop blade motion in case of slipping or breakage of the same.

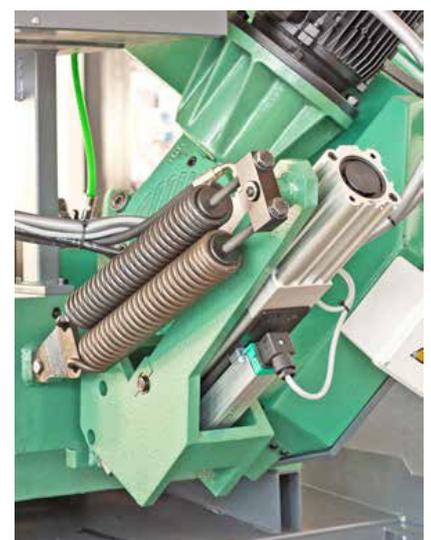
ACCESSORIES UPON REQUEST:

Laser cutting indicator
 Clamp pressure regulator
 Micromist lubrication
 Vertical anti-burr clamp
 Electronic speed variator
 Loading & unloading conveyors

CUTTING CAPACITY

TECHNICAL DATA

				
	45	0	45	60
 mm	160	220	200	130
 mm	120	290	150	110
 mm	160 x 130	330 x 150	160 x 130	110 x 110
 kW	1.25 / 1.75			
 m/1*	35 / 70			
 mm	360			
 mm	2825 x 27.0 x 0.9			
 kg	490			
 mm	1400 x 1500 x 1800			



Hydraulic cylinder for bow movement



BROWN SN 300 SA

SEMI-AUTOMATIC BAND SAW



Hydraulic vertical antiburr vice (upon request)



Laser pointer for cutting position (upon request)

SA-IDR CONTROL PANEL

PLC control panel specifically developed for Pedrazzoli band saws: it can be programmed by the operator according to the machine use requirements. The machine can work in manual or semiautomatic mode.

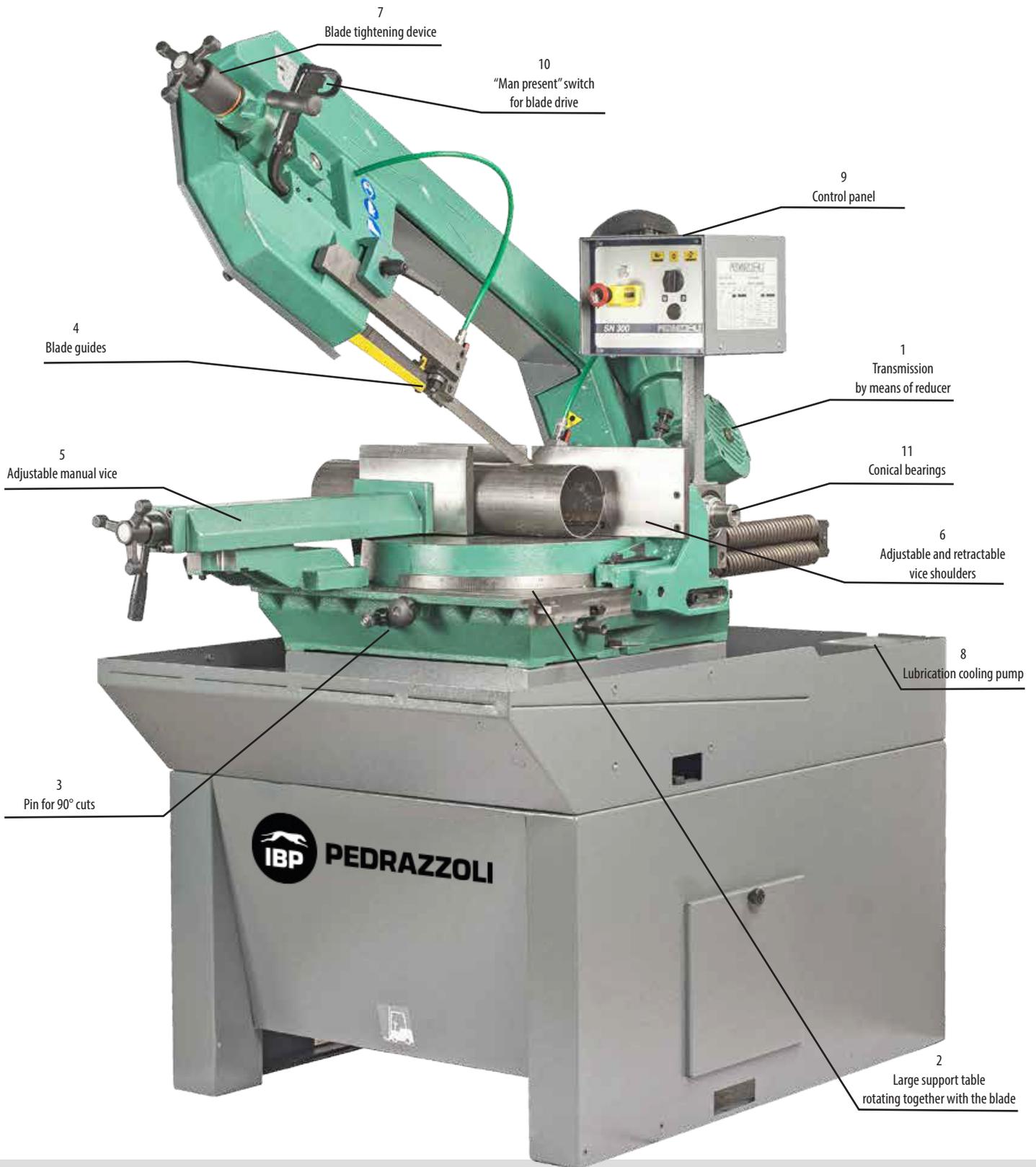
- A. ON/OFF switch
- B. Digital display
- C. Programmable piece counter
- D. Blade rotation speed
- E. Lubrication
- F. Manual or semiautomatic cycle selection
- G. Advanced functions (vice opening/closing at the end of cutting - ON/OFF blade rotation at the end of cutting - etc...)
- H. Ampere absorption display (for cutting speed control, blade wear, etc...)
- I. Semiautomatic cycle stop (acting on this key the bow goes up & the vice stay closed)
- J. Flow regulator, for adjusting bow descent speed





BROWN SN 420

MANUAL BAND SAW





BROWN SN 420

MANUAL BAND SAW

BROWN SN 420 MANUAL BAND SAW

2 Speed Three-phase (V 400 - 50 Hz, other voltages upon request)

MAIN FEATURES

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- 4. Blade guides:** they drive the blade sliding by means of widia hard metal plaques with bearings on eccentric bushings.
- 5. Adjustable manual vice.** It can be positioned lengthwise along the entire machine base. Vice features: rapid closing, closing hand wheel, flat adjustable gib plate.
- 6. Retractable and adjustable vice shoulders.** Pushing back the retractable vice shoulder, it is possible to reach the maximum cutting capacity (420 x 190 mm, at 90°). The adjustable vice shoulder allow always to obtain a precise alignment.
- 7. Blade tightening device:** this is the best solution for a constant and uniform blade tension.
- 8. Blade lubrication cooling system** with electric pump and two adjustable taps placed on blade guides.
- 9. Control panel** located in an easily accessible position with ON/OFF switch, cutting speed selector (2 speeds), MANUAL/DYNAMIC cutting selector (for machines with Newton device), emergency push button to cut off the power to the motor in case of emergency.
- 10. Blade start switch** with "man present" guard. The safety switch for blade drive is guarded by a cover against accidental start-up. It works in low voltage.
- 11. The hinged bow** is moved on a support with conical bearings.

ACCESSORIES UPON REQUEST:

- Micromist lubrication
- MRP pneumatic quick clamp kit
- Laser cutting indicator
- Mechanical speed variator
- Loading & unloading conveyors

CUTTING CAPACITY

TECHNICAL DATA

				
	45	0	45	60
 mm	170	280	230	150
 mm	150	270	220	150
 mm	240 x 90	420 x 190	230 x 150	140 x 220
 kW	1.6 / 2.0			
 m/1*	35 / 70			
 mm	420			
 mm	3150 x 27.0 x 0.9			
 kg	550			
 mm	870 x 1860 x 2100			
 mm	955			



Blade guides with Widia plates



BROWN SN 420

MANUAL BAND SAW



Blade guide with adjustable width plates



Vice with quick approach, can be positioned transversally along the entire machine base. Adjustable vice shoulders



Loading & unloading conveyor (upon request)



Digital display (upon request)



BROWN SN 420 NEWTON

MANUAL BAND SAW





BROWN SN 420 NEWTON

MANUAL BAND SAW

BROWN SN 420 NEWTON MANUAL BAND SAW

2 Speed Three-phase (V 400 - 50 Hz, other voltages upon request)

NEWTON DEVICE DESCRIPTION

M - Manual mode: Put the selector in M position (manual). Turn the apposite handwheel so that it matches the index with 0 (zero) indicated on the scale. In this way we tighten the saw balancing contrast spring. Lock the piece by closing the vice. Press the start button and go on with the normal manual cutting cycle: remember that the bow descent is activated only by pressing the start button. It is possible to adjust bow descent pression acting on flow regulator.

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ACCESSORIES UPON REQUEST:

- Micromist lubrication
- MRP pneumatic quick clamp kit
- Laser cutting indicator
- Mechanical speed variator
- Loading & unloading conveyors



Newton device



Gear reducer

CUTTING CAPACITY

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 mm	870 x 1860 x 2100			
 mm	955			



Large circular table rotating together with the bow to ensure optimal support of the piece to be cut



BROWN SN 420 SA

SEMI-AUTOMATIC BAND SAW





BROWN SN 420 SA

SEMI-AUTOMATIC BAND SAW

BROWN SN 420 SA SEMIAUTOMATIC BAND SAW

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11. **Drive pedal** for semiautomatic cutting cycle.
12. **The hinged bow** is moved on a support with conical bearings.
13. **Double emergency push button** located in front of the machine frame for greater security in case of need.
14. **Electronic safety sensor** to stop blade motion in case of slippaging or breakage of the same.

ACCESSORIES UPON REQUEST:

Laser cutting indicator
 Clamp pressure regulator
 Micromist lubrication
 Hydraulic vertical anti-burr clamp
 Electronic speed variator
 Loading & unloading conveyors

	CUTTING CAPACITY				TECHNICAL DATA			
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mm	150	270	220	150				
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mm					420			
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kg					610			
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mm					955			



Hydraulic cylinder for bow movement



BROWN SN 420 SA

SEMI-AUTOMATIC BAND SAW



Hydraulic vertical antiburr vice (upon request)



Laser pointer for cutting position (upon request)

SA-IDR CONTROL PANEL

PLC control panel specifically developed for Pedrazzoli band saws: it can be programmed by the operator according to the machine use requirements. The machine can work in manual or semiautomatic mode.

- A. ON/OFF switch
- B. Digital display
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- E. Lubrication
- F. Manual or semiautomatic cycle selection
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- H. Ampere absorption display (for cutting speed control, blade wear, etc...)
- I. Semiautomatic cycle stop (acting on this key the bow goes up & the vice stay closed)
- J. Flow regulator, for adjusting bow descent speed





PEDRAZZOLI



DISCOVER OUR MACHINES ON PEDRAZZOLI.IT



BEND MASTER 38



BEND MASTER 65



STERN 25



FORM 80



MCL 120



HORIZON 450

WHERE WE ARE

Our production plant is located just **2 minutes from the historic centre of Bassano del Grappa**.

We invite you to come and visit us to see our machines by booking your visit.
You will find technical sales staff who will explain in detail the characteristics of our products through demonstrations.

We are open from Monday to Friday, from 9:00 AM to 1:00 PM and from 2:00 to 6:00 PM.

ADDRESS

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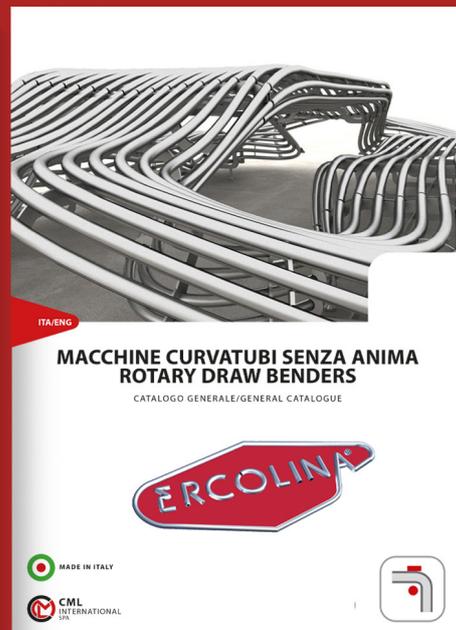
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