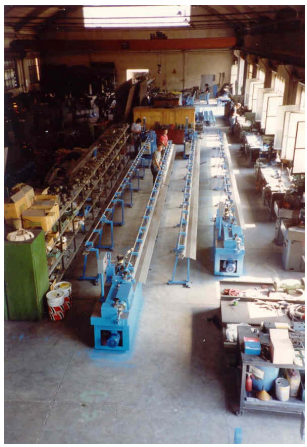
Candiani Giuseppe S.n.c.

Straightening Machines



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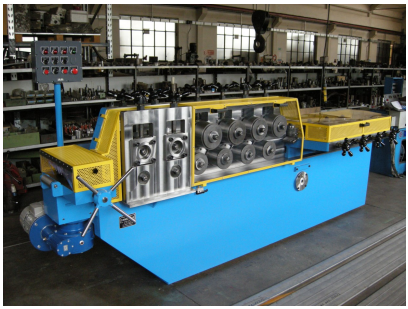
Straightening Machines since 1944

Straightening methods

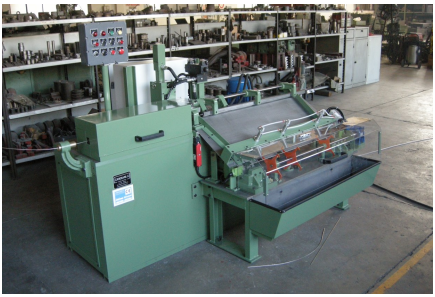


We build several types of straightening machines (straightening bushes, hyperbolic rolls, or grooved rolls) used for the productions of wire or bars with different sections since 1944.

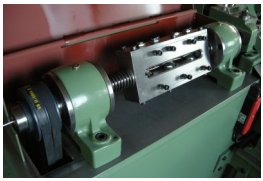
Possible uses

The straightening is an intermediate operation required for the production of several finished products that have as base material the wire, ranging from trolleys for supermarkets, to the baskets for appliances, but also pipes for coils of refrigerators or needles for syringes. The process of straightening and cutting is crucial to getting finished products of excellent quality.

There are cases, however, that have the straightening, and the eventual cutting, as a final operation for the production of finished products: long bars or tubes of different sections and materials straightened, produced starting from both coils and bars already sheared to size or cut from sheet metal.



In combination with a pressing unit, you can also produce electrodes for TIG welding in various diameters (Ø 1 to Ø 4 mm), lengths (from 500 mm up to 1000 mm) and materials (stainless steel, aluminum alloys , iron CO2 copper, copper alloys, et cetera ...).



Straightening and cutting machines with hyperbolic rolls

Several models for wire diameters from Ø 1 mm to Ø 16 mm

Straightening and cutting machines with straightening bushes

Several models for wire diameters from Ø 1 mm to Ø 22 mm

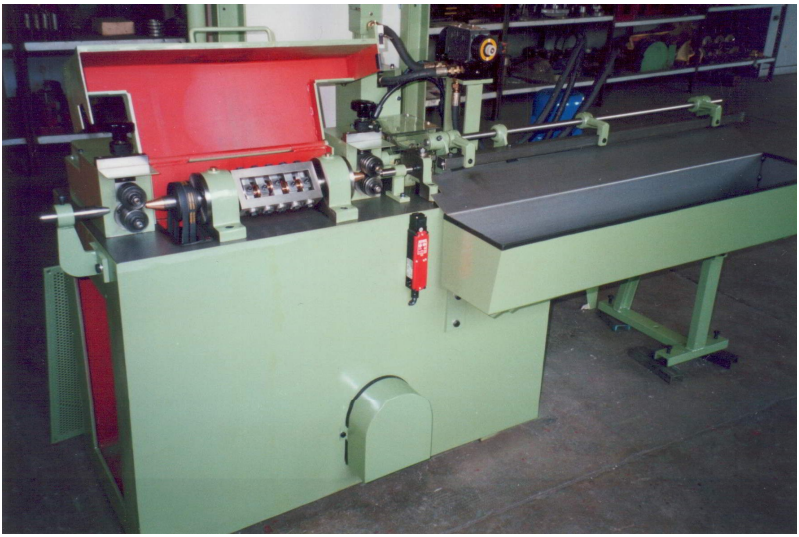
Straightening and cutting machines with grooved rolls

Several models for sections with several sizes and shapes, starting from 3x1,5 mm to 200x25 mm (cutting up to 100x12 mm)

Straightening and cutting machines for TIG welding rods production

Several models for wire diameters from Ø 0,9 mm to Ø 4 mm;
Cutting lengths 1/2 yard, 500 mm, 700 mm, 1 yard, 1000 mm

RB0,5/2 OL



Straightening and cutting machine with straightening bushes
1 o 2 Inverter can control the straightening frame rotational speed and the wire feeding speed

Performances:

Minimum Ø: 0,8 mm

Max Ø: 3 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

RB1,5/4 OL

Straightening and cutting machine with straightening bushes
1 o 2 Inverter can control the straightening frame rotational speed and the wire feeding speed

Performances:

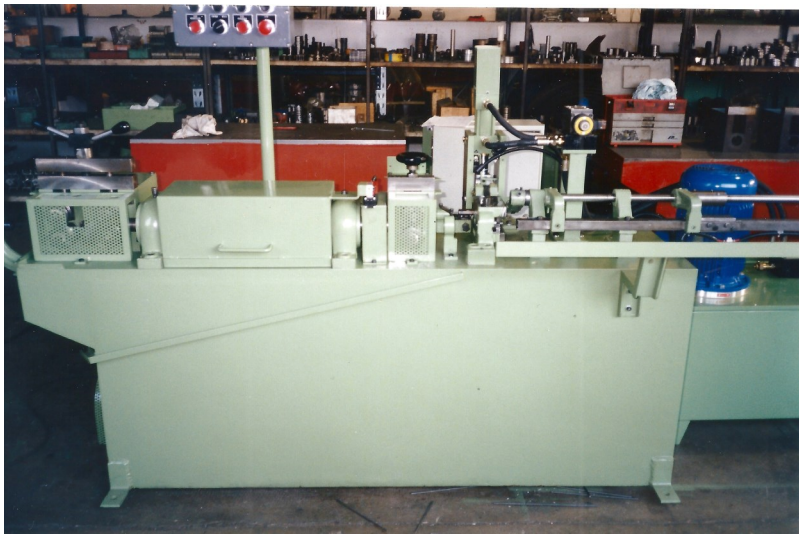
Minimum Ø: 1,5 mm

Max Ø: 4 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

RB2/6 OL



Straightening and cutting machine with straightening bushes
1 o 2 Inverter can control the straightening frame rotational speed and the wire feeding speed

Performances:

Minimum Ø: 2 mm

Max Ø: 6 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

RB3/8 OL

Straightening and cutting machine with straightening bushes
1 o 2 Inverter can control the straightening frame rotational speed and the wire feeding speed

Performances:

Minimum Ø: 3 mm

Max Ø: 8 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

512 OL

Straightening and cutting machine with straightening bushes
1 o 2 Inverter can control the straightening frame rotational speed and the wire feeding speed

Performances:

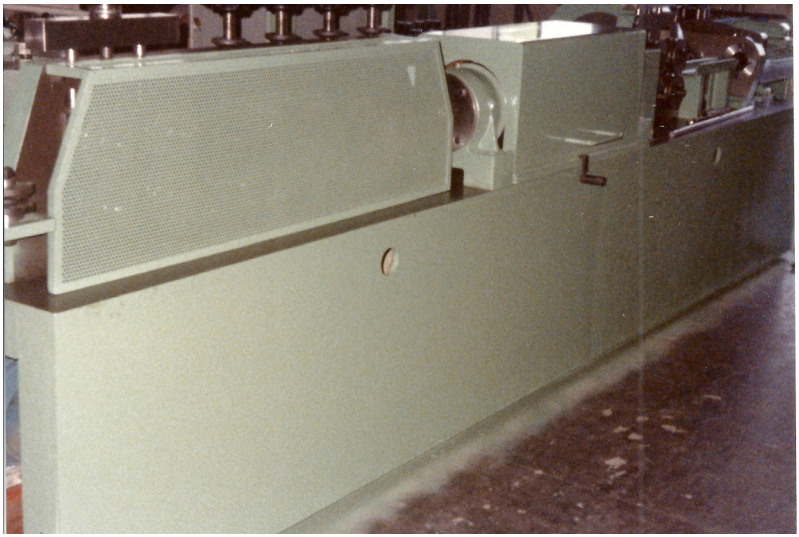
Minimum Ø: 5 mm

Max Ø: 12 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

822R OL



Straightening and cutting machine with straightening bushes
1 o 2 Inverter can control the straightening frame rotational speed and the wire feeding speed

Performances:

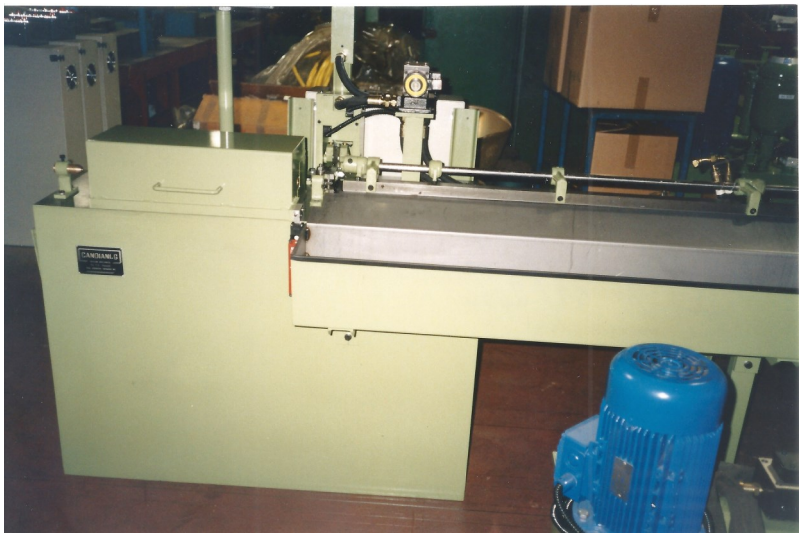
Minimum Ø: 8 mm

Max Ø: 22 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

0 OL



Straightening and cutting machine with hyperbolic rolls
An inverter can control the rotation speed of the straightening frame and consequently the wire feeding speed

Performances:

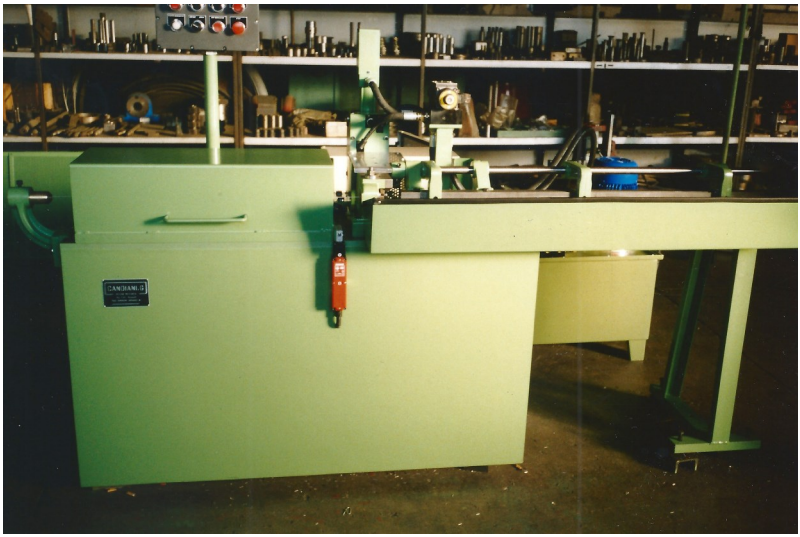
Minimum Ø: 1 mm

Max Ø: 2,4 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

1 OL



Straightening and cutting machine with hyperbolic rolls
An inverter can control the rotation speed of the straightening frame and consequently the wire feeding speed

Performances:

Minimum Ø: 1,6 mm

Max Ø: 4 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

2 OL

Straightening and cutting machine with hyperbolic rolls
An inverter can control the rotation speed of the straightening frame and consequently the wire feeding speed

Performances:

Minimum Ø: 2 mm

Max Ø: 6 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

2UNI OL

Straightening and cutting machine with hyperbolic rolls
An inverter can control the rotation speed of the straightening frame and consequently the wire feeding speed

Performances:

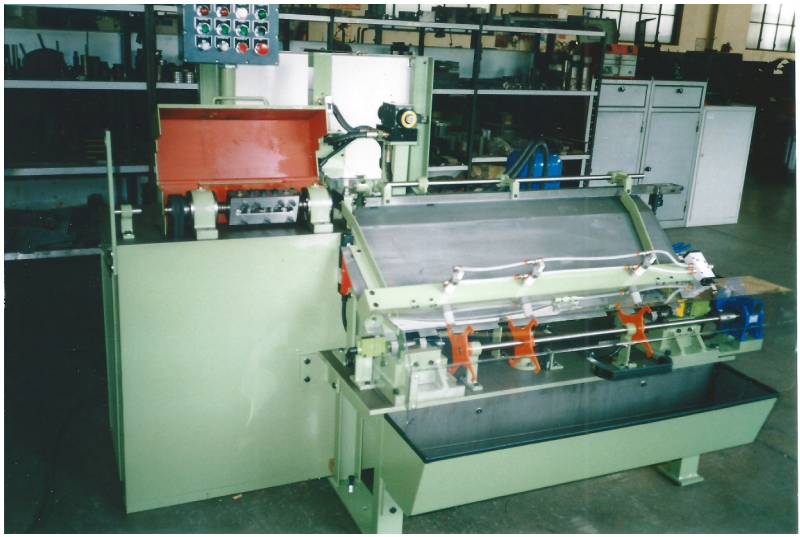
Minimum Ø: 3 mm

Max Ø: 8 mm

Max cutting length: 12 m (as customer needs)

Minimum cutting length: 150 mm

0 OLT



Straightening and cutting machine for TIG welding wire rods with hyperbolic rolls

Pressing unit for the rod stamping

An inverter can control the rotation speed of the straightening frame and consequently the wire feeding speed

Performances:

Minimum Ø: 1 mm

Max Ø: 2,4 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

1 OLT

Straightening and cutting machine for TIG welding wire rods with hyperbolic rolls

Pressing unit for the rod stamping

An inverter can control the rotation speed of the straightening frame and consequently the wire feeding speed

Performances:

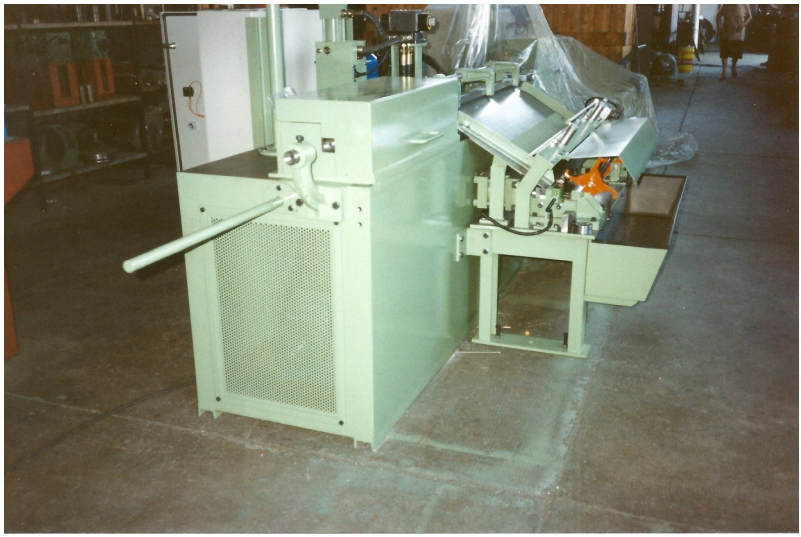
Minimum Ø: 1,6 mm

Max Ø: 4 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

2 OLT



Straightening and cutting machine for TIG welding wire rods with hyperbolic rolls

Pressing unit for the rod stamping

An inverter can control the rotation speed of the straightening frame and consequently the wire feeding speed

Performances:

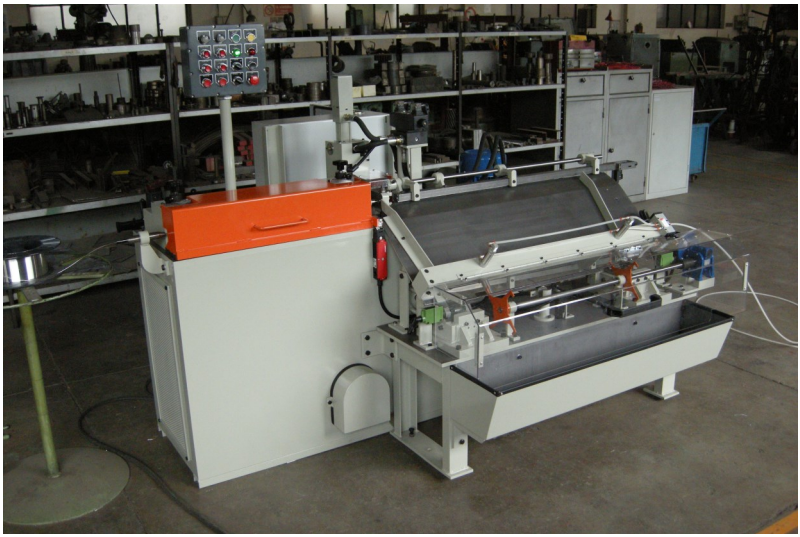
Minimum Ø: 2 mm

Max Ø: 6 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

RB0,5/2 OLT



Straightening and cutting machine for TIG welding wire rods with straightening bushes

Pressing unit for the rod stamping

1 or 2 inverters can control the wire feeding speed and/or the rotation speed of the straightening frame

Performances:

Minimum Ø: 1 mm

Max Ø: 4 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

RB0,5/2 OLT.M

Straightening and cutting machine for TIG welding wire rods with straightening bushes

Pressing unit for the rod stamping

1 or 2 inverters can control the wire feeding speed and/or the rotation speed of the straightening frame

Performances:

Minimum Ø: 1 mm

Max Ø: 4 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

RB0,5/2 OLT.M

Dimensions: 2450x1600x1700 mm (machine);
800x550x900 mm (hydraulic unit).

Total net weight: 1150 Kg

Standard power consumpion*: 7,08 KW – 400V - 50 Hz

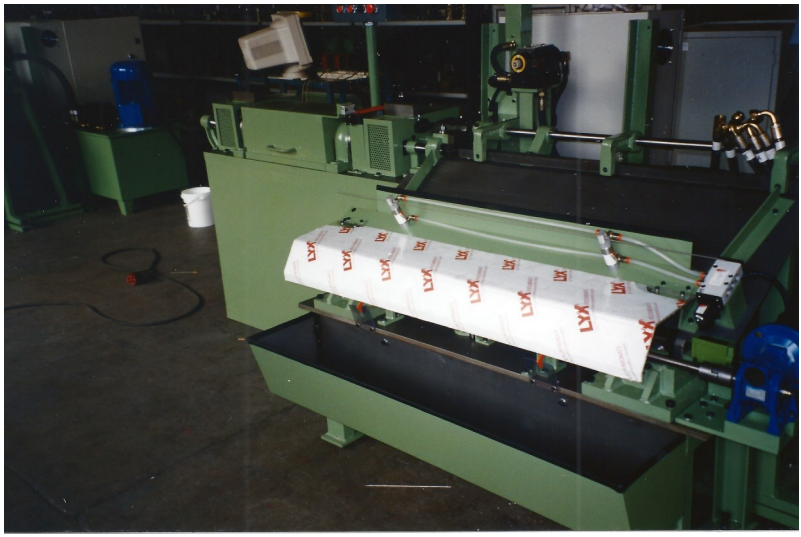
- 2.2 KW straightening unit
- 0,75 KW wire feeding unit
- 4 KW cutting unit
- 0,13 KW unloading unit

Max power consumpion*: 9,38 KW – 400V - 50 Hz

- 3 KW straightening unit
- 0,75 KW wire feeding unit
- 5.5 KW cutting unit
- 0,13 KW unloading unit

*The power consumption could be different according to the machine configuration that varies with different wire material specifications or different diameters ranges.

RB1,5/4 OLT



Straightening and cutting machine for TIG welding wire rods with straightening bushes

Pressing unit for the rod stamping

1 or 2 inverters can control the wire feeding speed and/or the rotation speed of the straightening frame

Performances:

Minimum Ø: 1,6 mm

Max Ø: 5 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

RB2/6 OLT

Straightening and cutting machine for TIG welding wire rods with straightening bushes

Pressing unit for the rod stamping

1 or 2 inverters can control the wire feeding speed and/or the rotation speed of the straightening frame

Performances:

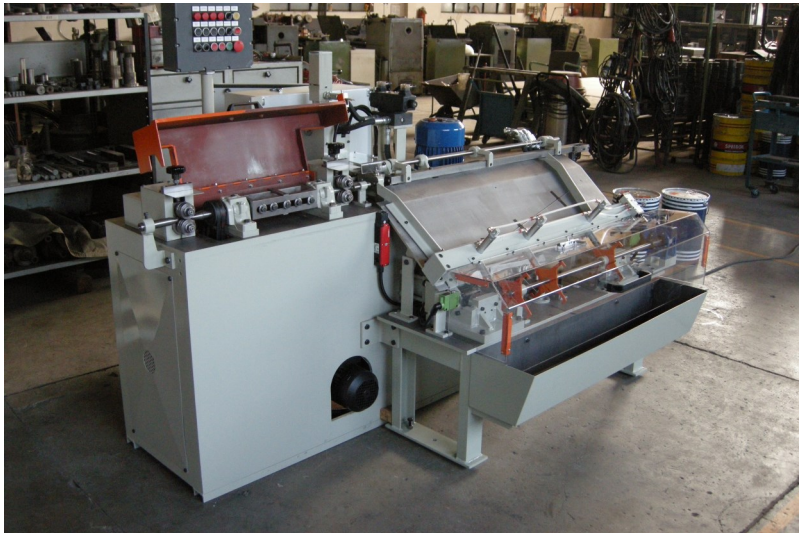
Minimum Ø: 2 mm

Max Ø: 6 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

RB0,9/4 OLT



Straightening and cutting machine for high production of TIG welding wire rods with straightening bushes

Pressing unit for the rod stamping

2 inverters can control the wire feeding speed and the rotation speed of the straightening frame

Performances:

Minimum Ø: 1,6 mm

Max Ø: 4 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

Production capacity: up to 70 m/min

PRESSA OLT

Pressing unit for rod stamping, to apply to existing straightening machines

Performances:

Minimum Ø: 1 mm

Max Ø: 6 mm

Cutting lengths with marks on both the rod ends: 1 yard / 1000 mm

Cutting lengths with marks on one ends: 1/2 yard / 500 mm

Production capacity: up to 45 m/min

RB2/C

Straightening and cutting machine for the production of bars with many different section shapes (square, rctangular, hexagonal, ecc…)

Cutting unit controlled by an hydraulic cilinder

1 Inverter can control the wire feeding speed

Performances:

Minimum section: 3x1.5 mm

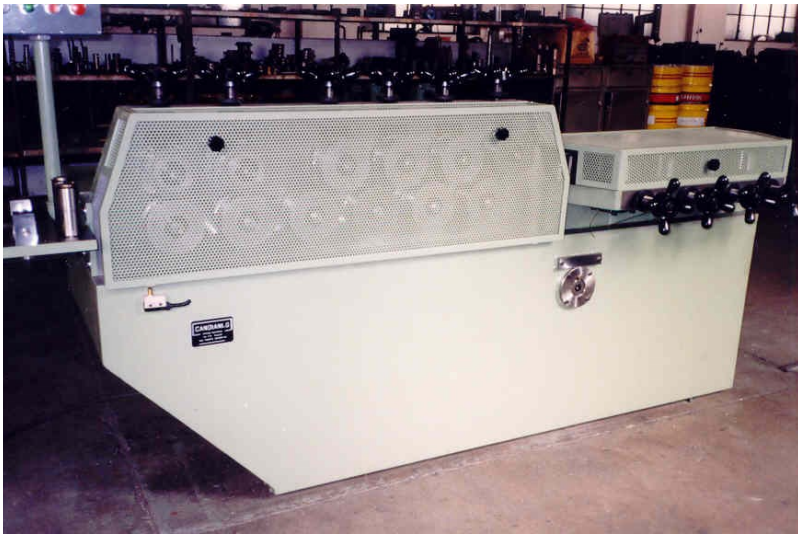
Max section: 20x5 mm (for models without cutting unit: 30x5 mm)

Minimum cutting length: 100 mm

Max cutting length: 12 m

Production capacity: up to 100 m/min

RB4/C



Straightening and cutting machine for the production of bars with many different section shapes (square, rctangular, hexagonal, ecc…)

Cutting unit controlled by an hydraulic cilinder

1 Inverter can control the wire feeding speed

Performances:

Minimum section: 8x2 mm

Max section: 50x6 mm (for models without cutting unit: 50x10 mm)

Minimum cutting length: 100 mm

Max cutting length: 12 m

Production capacity: up to 100 m/min

822

Straightening and cutting machine for the production of bars with many different section shapes (square, rctangular, hexagonal, ecc…)

Cutting unit controlled by an hydraulic cilinder

1 Inverter can control the wire feeding speed

Performances:

Minimum section: 10x2 mm

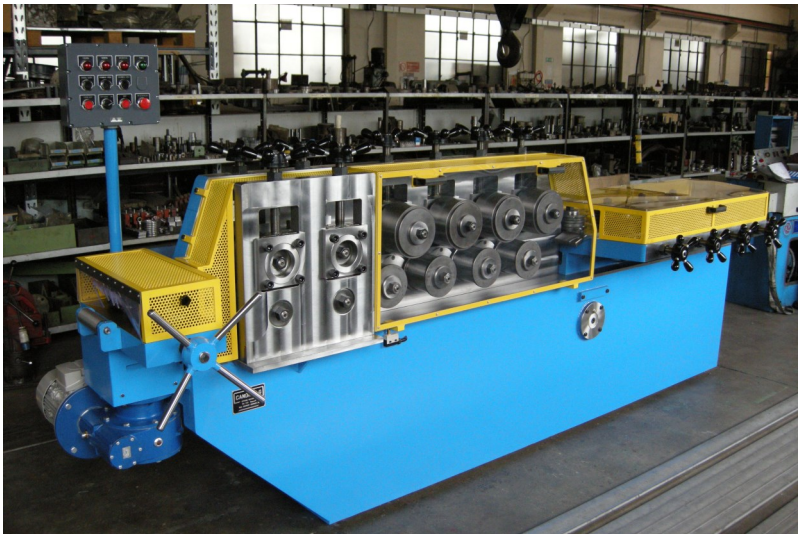
Max section: 60x10 mm (for models without cutting unit: 60x12 mm)

Minimum cutting length: 100 mm

Max cutting length: 12 m

Production capacity: up to 60 m/min

RP100



Straightening and cutting machine for the production of bars with many different section shapes (square, rctangular, hexagonal, ecc…)

Cutting unit controlled by an hydraulic cilinder

1 Inverter can control the wire feeding speed

Performances:

Minimum section: 20x3 mm

Max section: 100x10 mm (for models without cutting unit: 100x12 mm)

Minimum cutting length: 100 mm

Max cutting length: 12 m

Production capacity: up to 60 m/min

RP100SC

Straightening machine for the production of bars with many different section shapes (square, rectangular, hexagonal, ecc…)

Useful for the straightening of bars already cut with the possibility of the installation of an edging unit at the enter of the machine in order to remove the sharp edges from the bar.

1 Inverter can control the wire feeding speed.

Performances:

Minimum section: 20x8 mm

Maximum section: 100x20 mm

Production capacity: up to 60 m/min

RP200SC

Straightening machine for the production of bars with many different section shapes (square, rectangular, hexagonal, ecc…)

Useful for the straightening of bars already cut with the possibility of the installation of an edging unit at the enter of the machine in order to remove the sharp edges from the bar.

1 Inverter can control the wire feeding speed.

Performances:

Minimum section: 40x10 mm

Maximum section: 200x25 mm

Production capacity: up to 40 m/min

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