



SURFACE ENGINEERING

Grinding and Polishing Machines

PLS

SERIE PL: ORBITAL MACHINES

FOR IN-LINE SURFACE FINISHING MACHINES AND EQUIPMENT FOR LONG PRODUCTS.

SURFACE ENGINEERING

Offers the most wide and complete range of surface finishing machines for long products, our turnkey solutions satisfy industrial production requirements spanning those from fabricators up to primary manufacturers of tubes and bars.

Machines can be stand alone solutions as modular system and automatic handling or in line as hereafter presented. Models PLS, through feed system where the tubes or bars are not put in rotation because the machine is rotating around these, using two opposing abrasive abrasive wheels rotating with high speed.

These machines are realised for application where is not possible to rotate the products to be worked. Suitable for example for in line working on production mills before cutting to length, for high speed finishes, or on very heavy or particularly unstraight products et.

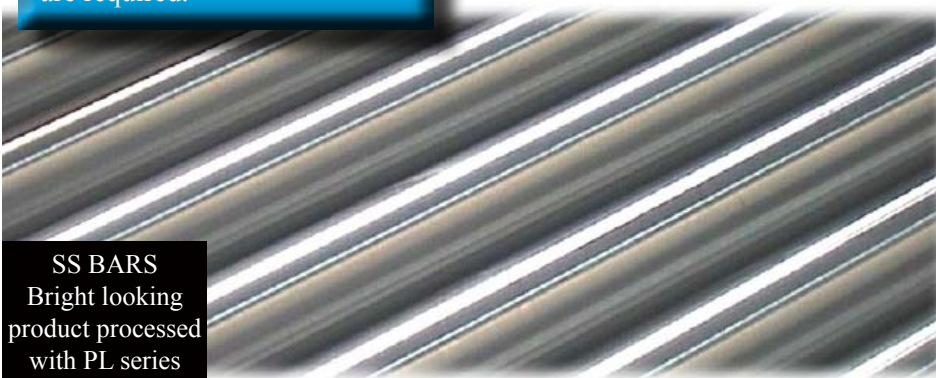
WORKING IN-LINE to

To achieve a homogeneous surface finishing for all products, with extremely low costs.

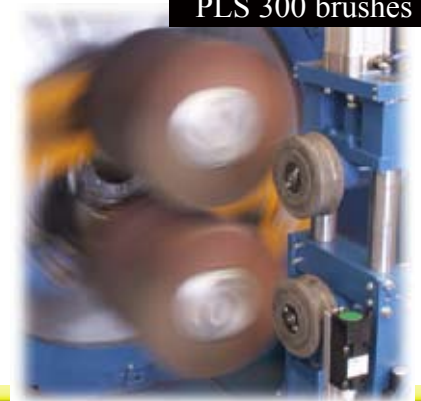
No additional handling equipment or additional operators are required.



PLS 600 High speed planetary finishing machine with brushes.



SS BARS
Bright looking product processed with PL series



PLS 300 brushes



PLS model - Orbita finishing

These machines system use two brushing wheels, opposing each other and running around the parts to be worked.

Dry systems with adjustable pressure and speed, these models are available with three different tools dimensions, according to required performances and application. A longer tool size will allow a faster working speed and/or improvement in the level of finishing.

The machine is normally equipped with dust collector.

PLS: In_line high speed surface treatment for

- Grinding for defects removal.
- Cosmetic finishing.
- Roughness improvement.

APPLICATIONS

These machines are optimal for in line polishing of products where a minimal stock removal is required but when is important achieve a bright homogeneous looking and a lower roughness surface.

For example these machines can be installed on **Stainless steel-BRIGHT bars** drawing lines, after roll polishing to achieve uniform and centerless looking surface ad to reduce roughness, or these can be applied for **Stainless steel TUBES** directly on the mill to achieve on line an polished cosmetic finish.

With proper tools these machines can be used also to descale long products after or in replacement of sandblasting/pickling, this to remove the surface from impurities

and create clean surface ready for drawing.

Three different models

PLS 300

Working capacity: 10 - 120 or 15 - 220
Main motors: 2 x 3 kW
Tools: 2x Dia 300 x length 300 mm
Prod. speed: From 1 up to 20 mt/min

PLS 600

Working capacity: 10 - 120 or 15 - 220
Main motors: 2 x 5,5 kW
Tools: 2x Dia 300 x length 600 mm
Prod. speed: From 1 up to 50 mt/min

PLS 1200

Working capacity: 20 - 120 or 40 - 220
Main motors: 2 x 11 kW
Tools: 2x Dia 350 x length 1200 mm
Prod. speed: From 1 up to 100 mt/min

