

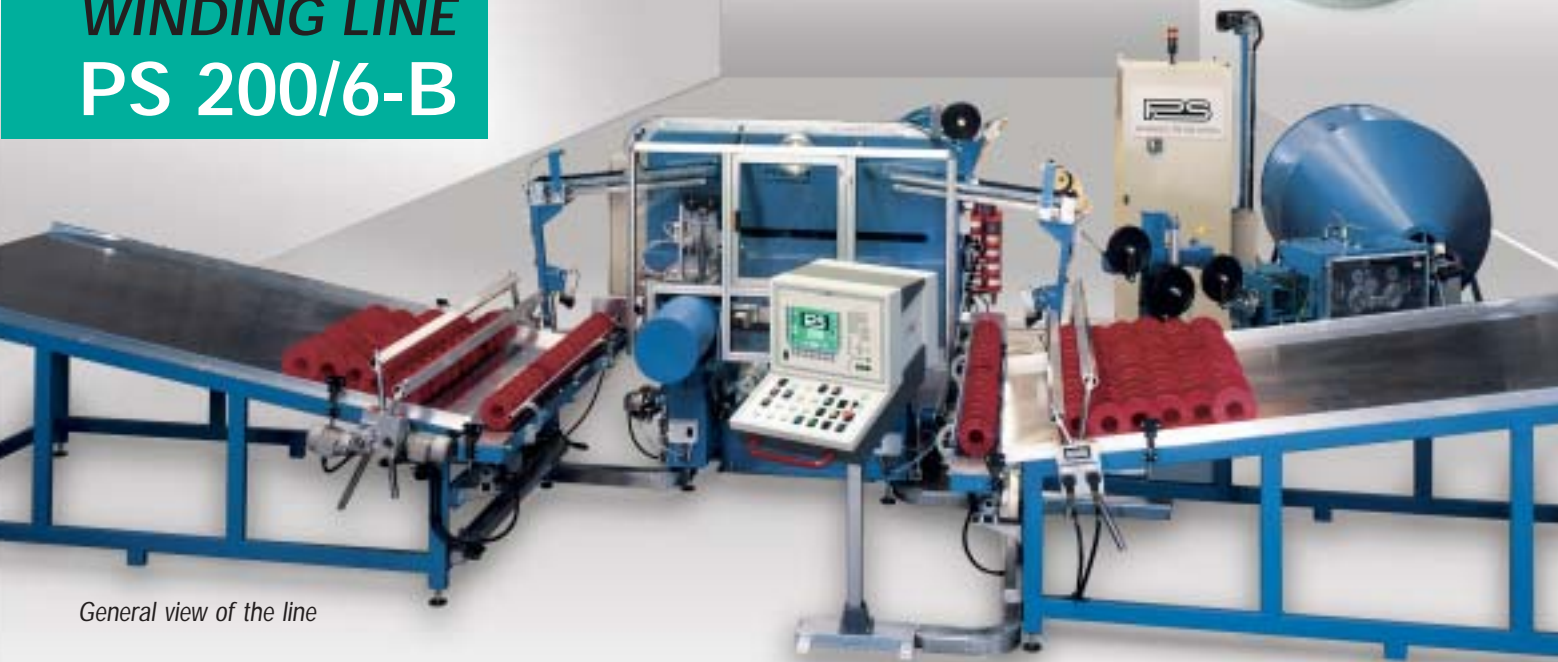
# DOUBLE HEAD AUTOMATIC SPOOL WINDING LINE PS 200/6-B

**NEW  
PRODUCT**

...more than

**4**

spools  
per minute



General view of the line

PS COSTRUZIONI MECCANICHE S.r.l. has been designing and manufacturing wires and cables packaging lines, working either slave to the extruder or as autonomous packaging final stations, since 1960.

PS is pleased to inform you that the company has recently augmented its products manufacturing a double head automatic spool winding line enabling you to double a normal machine output thanks to the two winding heads working contemporaneously.

This brand-new PS 200/6-B should be considered as something special on the cable machinery market. The "dead time matter" has moreover been improved remarkably especially in regard to the time between the just wound spool and the winding cycle re-starting. In other words, while the cable is being wound by the first spool winding head, the second head has completed the winding cycle thus the final spool proceeds automatically as far as the palletizing area.

This double head automatic spool winding line can wind telephone and energy cables, both round and flat, as well as computer cables having an outer dia. from 1 mm. / 0.04 in. to 6 mm. 0.24 in.

The cable can be unwound not only by using the **dérouler system** (pay off stand) but also by the **défiler one** (unwinding cone).

Please be informed that the spools to be used with our new spooler can be

made of cardboard, aluminium, plastic, plywood and wood and must have the following dimensions:

	MIN.	MAX.
FLANGE OUTER DIA.	100 mm. / 3.94 in.	200 mm. / 7.88 in.
FLANGE WIDTH	50 mm. / 1.97 in.	190 mm. / 7.49 in.
WEIGHT		15 kilos / 33 Lb



Labelled products located on pallets



Spool winding double head



COSTRUZIONI MECCANICHE S.r.l.

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SINCE 1960



*perfect  
layer on layer  
winding*



Spools

After the cable is being passed through each machine unit, no worker is needed because the following operations are done in automatic.

- **Bore centering** (to start the winding operation)
- **Cable layer on layer winding** (A wire-guide provided with a special C.N.C. software allows you to obtain a perfect layer wound package)
- **Cable measuring accuracy + - 0,1 %** (manufactured completely by PS. It's provided with aluminium anti-wear wheels coated with ceramic)
- **First quality spark tester** to test the cable insulation
- **Pneumatic and fast cable cutting**
- **End-product packaging by polyethylene film** (protecting the wound cable)
- **Division between end-products with insulation defects and correct end-products** (if the spark tester and/or the lump detector detects any defect on the cable insulation or on the cable diameter, the defective spool is ejected from the line)

# Double head automatic spool winding line PS 200/6-B

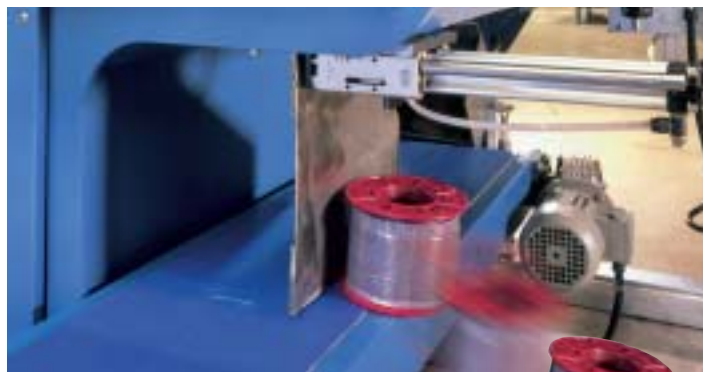
- **Labelling** (the label machine is provided with thermic transfer and equipped with a printer and an applicator enabling you to print directly in line, in real time, bar codes, alphanumeric types, drawings and logo, with incremental numbers, on standard paper and synthetic material at a speed of 125 mm./sec. - 4.93 in./sec). The label can be applied on the spool diameter.



PS meter-counter

- **Palletizing** (a Cartesian axis palletizer is used; pallet dimensions 1200 x 800 mm. / 47,28 x 31.52 in.)
- **Pallet wrapping**

*Example of production:*



The defective spool is ejected but with no interruption of the spool winding process.

WIRE SECTIONS		PRODUCTION SPEED
AWG	mm <sup>2</sup>	Spools/min.
19	0,65	4
18	0,82	4
17	1	4
16	1,31	4
15	1,65	4
14	2,08	4
13	2,62	4
12	3,31	3,7
11	4,17	3,5
10	5,26	3,2
9	6,53	3,2

**PS COSTRUZIONI MECCANICHE S.r.l.** was established as a manufacturer and supplier of semiautomatic coil/spool winding lines, pay off stands, take ups and rewinding lines of high productivity and legendary sturdiness. Meticulous analysis of the final cable packing process brought to the realisation of the present automatic packaging lines.

Their modular structure allows the insertion of just the necessary stations for the needed packaging type such as diametral or toroidal strap-pers, labelling machines, thermoshrinking tunnels, boxing machines, palletizing units, stackers and pallet wrappers.



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