Fully Automatic Winding Machine TBW 1 G

Fully automatic electronically controlled winding machine with one winding head for ribbon up to 70 mm wide, or rope up to 4 mm diameter, continuously laid on cards of any shape.

The empty cards are taken out of the card magazine and put onto the winding table by a suction device. The ribbon which is clamped into the ribbon guiding system is clamped together with the card on the winding table. The turning of the winding table with the attached card causes that the ribbon is wound.

The highly sophisticated servo motor technology is allowing a leaping laying up to max. number of 45 leaps. A change-over to a continuous laying and a infinitely adjustment of the running length of the ribbon is also possible.

After having reached the electronically preset values the ribbon is cut and securely fixed on the wound card by an adhesive label.

The wound card is doffed and optionally delivered into a box by a conveyer belt or to the magazine or to a JBF packaging machine.

**Additional Equipment:**

- Tensionless and tangle less material supply, optional from a cylindrical spool or supplied out of a box.
- Delivery device for winding elastic materials.
- Adjustable card magazine.
- Quick motion device.
- Conveyor belt for wound cards.
- Magazining device for wound cards, including conveyer belt.
- Magazining device for wound products without cards.
- Defect-sensing, machine-stop caused by defective ribbon.
- Machine-stop caused by lack of labels.
- Machine-stop caused by lack of ribbon.
- Machine-stop caused by empty card magazine.
- Machine-stop caused by full card magazine of wound cards.
- Cycle counter with preset-option.
- Hot cutting device
- Rope tucking device. Rope end is drawn under the last layer
- Connection with JBF-Folding-and Ironing device.
- Automatic delivery to fully automatic JBF packaging and labeling machines.

**Technical Data:**

- **Winding heads:** 1 or optional 2
- **Winding table revolutions:** 320 – 750 1/min
- **Winding length:** infinitely, max. 79 revolutions per leap
- **Size of cards:** Type TBW1G: max. 220 x 150 mm
- **(length x width)** Type TBW1GS: max. 280 x 190 mm
- **Ribbon width:** max. 70 mm by leaping laying
- **Material supply:** cylindrical spools, max. 500 mm dia, 500 mm long or supplied out of a box.
- **Power consumption:** 1 respectively 1.5 kW
- **Air consumption:** max. 0.5 m³/h according to execution.
- **Air pressure:** 6.0 bar
- **Machine weight:** approx. 450 / 700 Kg
- **Space requirement:** approx. 6 m² with creel

Subject to technical modification without notice.

JBF Maschinen GmbH
Flurstrasse 8 - D-88367 Hohentengen / Germany - Tel. +049(0) 7572 7641-0 - Fax +049(0) 7572 7641-30
Internet: www.jbf-maschinen.de / E-mail: info@jbf-maschinen.de

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