

JBF

Maschinen GmbH

Ribbon and rope precision winding and ribbon rolling machine BS1-PW

INTELLIGENT
RIBBON PROCESSING



Ribbon and rope precision winding and rolling machine BS 1 - PW and BSH - PW

Fully automatic universal machine BS 1-PW for precision winding of rope and rolling of textile and plastic ribbon on cardboard or plastic cores with or without out side flanges.

Machine equipped with:

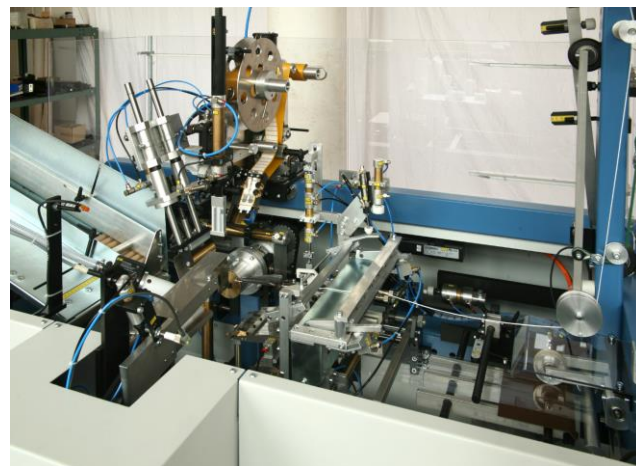
- Ribbon/rope traversing with modern servo motor driven device.
- electronic gear box between traversing and mandrel drive for easy and fast exchange of all traversing parameters on the operation panel. Traversing parameters from one cross per traverse up to parallel wind are possible
- clamping device for cores with and without side flanges
- cycle counter, running length counter with adjustable accuracy.
- material defect sensing device with machine stop or doffing of the spools in a separate box.
- adjustable traversing material guides for different ribbon and rope widths.

Additional equipment BS 1-PW

- automatic tube supply with vibration feeder.
- hot cutting device with adjustable temperature and cutting time.
- speed regulation of winding mandrel with increasing spool diameter for constant ribbon/rope speed and ribbon tension over the complete winding cycle.
- Ribbon end fixed optionally with label, stretch film or stapler.
- foil banding of the wound spools on the winding mandrel. Foil widths can optionally be wider, equal or narrower as the spool traversing width. Foil is laid under the ribbon and the adhesive label does not touch the ribbon/rope material any more
- Foil shrinking on the winding mandrel. Film overlapping on the side of the spool is shrunk. The finished spool is protected.
- Use of stretch film is possible without end label and without shrinkage. Only one label on the spool to fix the beginning
- material supply creel for a tensionless material supply optionally from a supply spool, a supply roll or out of boxes. Combinations are possible.
- Ribbon/rope end sensor with clamping of the material in the creel for easy connection of the new ribbon/rope supply spool.
- creel with supply device for narrow pancake wound ribbon rolls.
- automatic connection to JBF packaging machines and labelling machines.

Production Data BS 1-PW:

depending on the spool diameter: with 70 mm (2.75") diameter with 5 meter ribbon length: approx. 7 spools per minute
with 25 meter ribbon length: approx. 5 spools per minute
with 50 meter ribbon length: approx. 4 spools per minute



Semi automatic universal machine BSH-PW for spooling and rolling of textile and plastic ribbon and rope on cardboard or plastic cores with or without side flanges.

Additional equipment BSH-PW :

- speed regulation of winding mandrel with increasing spool diameter for a constant ribbon speed and ribbon tension over the complete winding cycle.
- up movement of the ribbon guide and optionally away from the centre of the spool with increasing spool diameter for perfect ribbon traversing over the complete spool diameter.
- machine with pneumatic operated counter mandrel to clamp spools with side flanges and as counter bearing for heavy spools.
- automatic spool doffing of wound spools with a higher spool weight from the mandrel with doffing into a finished spool magazine.
- Optional hot cutting device for rope or ribbon
- Operation panel with keyboard with storage of 99 winding parameter sets

Technical Data BSH-PW:

Winding heads:	1
Ribbon widths:	3 – 120 mm (0,1" – 4,72")
Finished spool diameter:	260 mm (10,25") max. 400 mm (15,75")
Traversing widths:	300 mm (11,80") max. 400 mm (15,75")
Winding head revolutions:	max. ca. 2000 1/min
Winding speed:	max. 400 m/min
Winding length:	infinitely adjustable with length counter
Material supply:	traverse wound spools max. 500 mm (20") dia., 500 mm (20") long or supplied out of boxes
Connected load:	approx. 3 kW with creel depending on the specifications, 230V, 1 Phase
Air consumption:	max. 0,5 m ³ /h
Air pressure:	6,0 bar
Machine weight:	ca. 800 kg
Space requirements:	Machine: 1300 x 1200 – 1700 mm (51" x 47,25" – 67") depending on the core dimensions and the machine specifications. Creel: 1500 x 1000 mm (59" x 39,4") depending on the creel specifications

Technical Data BS 1-PW:

Winding heads:	1
Ribbon widths:	3 – 120 mm, rope max 4 mm diameter
Finished spool diameter:	max. 250 mm
Traversing widths:	max. 220 mm
Foil widths:	max. 200 mm
Winding head revolutions:	max. ca. 2000 1/min
Ribbon speed:	max. 400 m/min
Winding length:	infinitely adjustable with meter counter
Material supply:	cylindrical spools max. 500 mm (20") dia., 500 mm (20") long or supplied out of boxes
Connected load:	approx. 2 kW with creel depending on the specifications, 230V, 1 Phase
Air consumption:	max. 1,5 m ³ /h
Air pressure:	6,0 bar
Machine weight:	approx. 800 kg
Space requirement:	Machine: 1300 x 1200 mm (51" x 47,25") Creel: 1500 x 1000 mm (59" x 39,4") depending on the specifications

Subject to technical modification without notice.

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