

Maschinen GmbH

Automatic Winding Machine for small ribbon BW 8

INTELLIGENT
RIBBON PROCESSING



Automatic Winding Machine for small ribbon BW 8

Fully automatic machine with eight spindles to wind ribbon 5 to 10 mm wide to barrel-shaped balls.

The beginning of the ribbon is clamped on the expanding mandrel for initial winding. The placement of the ribbon is effected by a ribbon guiding system. The mandrel speed in relation to the movement of the band guiding system is adjusted by means of change gears.

Each winding position is equipped with a labelling device.

Rolls with adhesive labels are provided, which are taken off from the carrier belt during the winding process by a suction device. The automatic supply of the adhesive label is controlled by an optical sensor.

In order to obtain an equal tension of the ribbon during the winding process, the supply spools are driven individually and drawn off in a rolling manner.

As soon as the winding process has finished, the ribbon is fixed onto the barrel-shaped ball with the adhesive label, then it is cut off and the band end is clamped for the next winding process.

The finished barrel-shaped balls are pushed off the winding mandrel and fall, via guide plates, onto a conveyor belt transporting the balls to the left side of the machine or to a packaging machine.

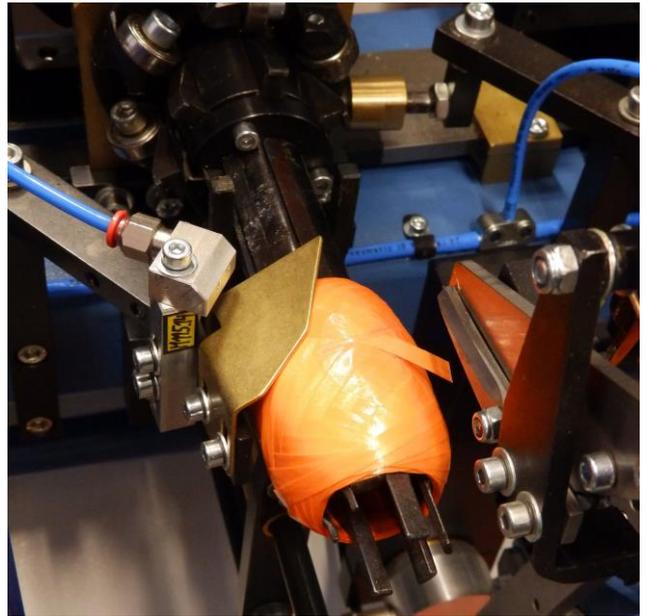
The new electronic traversing system allows to produce balls of different materials and in various ball shapes.

Additional Equipment:

- Automatic infeed into a fully automatic JBF packaging machine type EP
- Different mandrels for larger and smaller balls

Production Data:

16 balls per minute at a ribbon length of 20 m



Finished ball with the attached label



Labelling devices



Option:
Automatic packaging machine with shrinking tunnel

Technical Data:

Winding heads	8
Mandrel revolutions	400 – 500 1/min
Winding length	continuously adjustable through electronic controls
Material supply	cylindrical spools up to max. 300mm dia, 450mm long
Power consumption	2 kW
Air consumption	max. 1 m ³ / h
Air pressure	6,0 bar
Machine weight	approx. 1200 Kg
Space requirement	approx. 13 m ²

Subject to technical modifications without notice.

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