

Maschinen GmbH

# Automatic ribbon and rope winding Machine TSA 1

INTELLIGENT  
RIBBON PROCESSING



On option:  
Thermo-transfer  
printing system

# Automatic Ribbon Winding Machine TSA 1

## Fully automatic machine for the winding and banding of textile and plastic ribbon, rope or cord

The ribbon which is still clamped in the ribbon guiding system from the previous winding cycle moves into the area of the winding table where the ribbon is clamped.

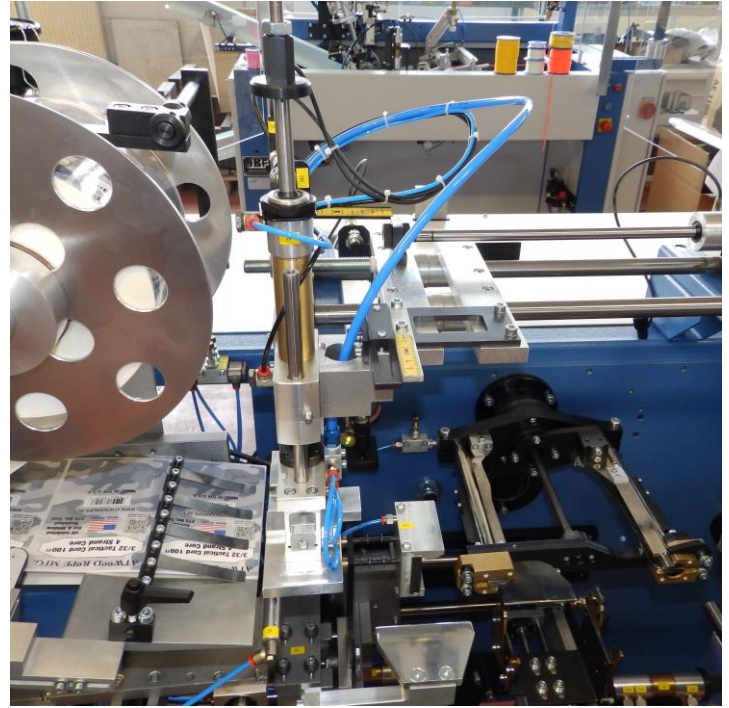
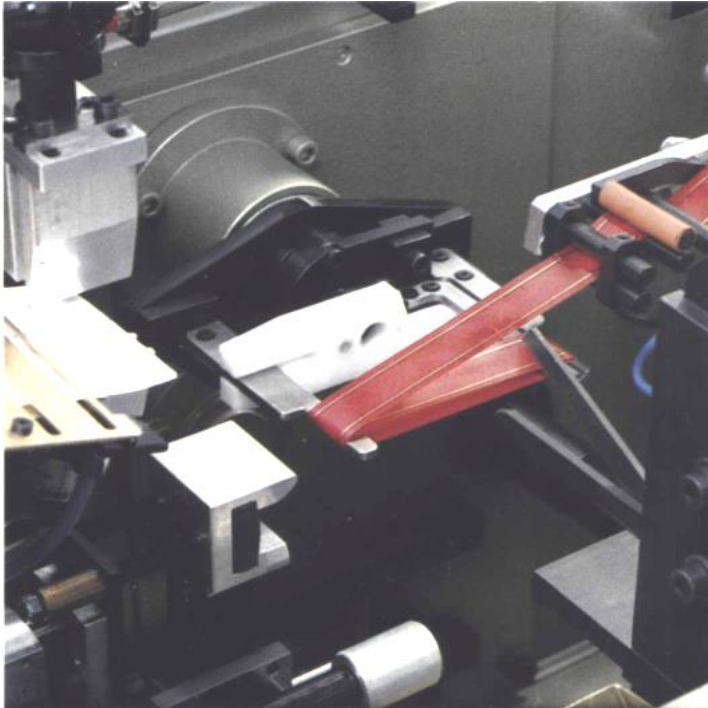
The winding process starts and keeps running until the electronically preset running length is reached. The machine stops in zero-position. The ribbon guiding system moves back. During that process the ribbon is clamped and cut by the scissors.

The banding of the wound product is accomplished with an automatically supplied adhesive label. A suction device

picks up the adhesive label from a carrier belt during the winding process. The labelling cylinder attaches one sticky side of the label to the cut ribbon end. This guarantees a tight connection to the wound product.

Afterwards the label is formed around and finally glued to the wound product.

The banded product is pushed off the winding table and falls via guide plates into a product accumulator.



### Additional Equipment:

- Conveyor belt for finished products.
- Driven and controlled creel.
- Cycle counter with preset option.
- Defect sensing, machine-stop caused by defective ribbon.
- Automatic punching- and stapling device, machine type SK
- Bar code printer on the machine
- Hot cutting device to seal the cut ends
- Traversing device for rope and cord

### Production Data:

Dependant on the winding length and the band type, e.g.:  
with 3 meter winding length approx. 6,5 spools per minute

### Technical Data:

(subject to technical modification without notice)

Winding heads:	1
Winding table revolutions:	max. 750 1/min
Winding speed:	max. 400 m / min
Ribbon widths:	max. 50 mm, further ribbon widths on request.
Dimensions of winding table:	100 – 140 mm wide, infinitely adjustable, other dimensions on request.
Winding length:	infinitely adjustable
Material supply:	cylindrical spools, max. 500 mm dia., 500 mm long, Ribbon-rolls or supplied out of boxes
Power consumption:	0,75 kW
Air consumption:	approx. 0,75 m <sup>3</sup> /h
Air pressure:	6,0 bar
Machine weight:	approx. 550 kg
Space requirements:	approx. 4 m <sup>2</sup>

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