

Maschinen GmbH

Fully Automatic Rolling and Spooling Machine for ribbon and rope TRA 1 / TRA 1 V

INTELLIGENT
RIBBON PROCESSING

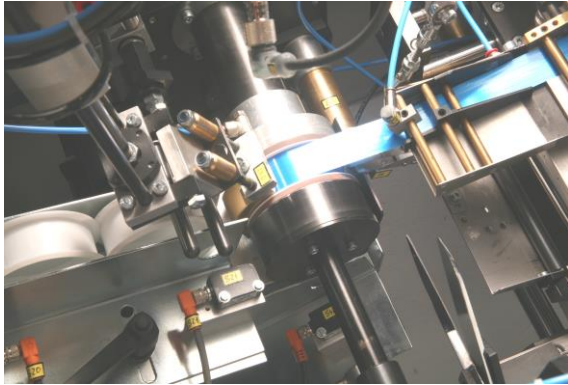


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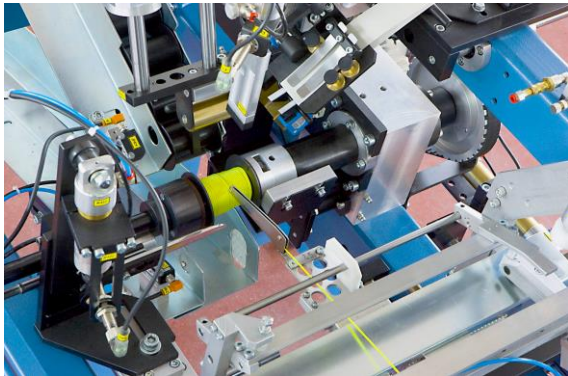
Fully automatic machine with one winding head to roll textile or plastic ribbon (5 - 50 mm wide) or rope (Ø approx. 0,5 - 6 mm) up to a max. roll Ø of 100 mm and max. roll length of 80 mm (subject to trials).

The ribbon or rope which is still clamped in the ribbon guiding system from the previous winding cycle moves towards the center of the empty spool. It is attached reliably to the center of the spool with an adhesive label which is supplied automatically from the labelling station.

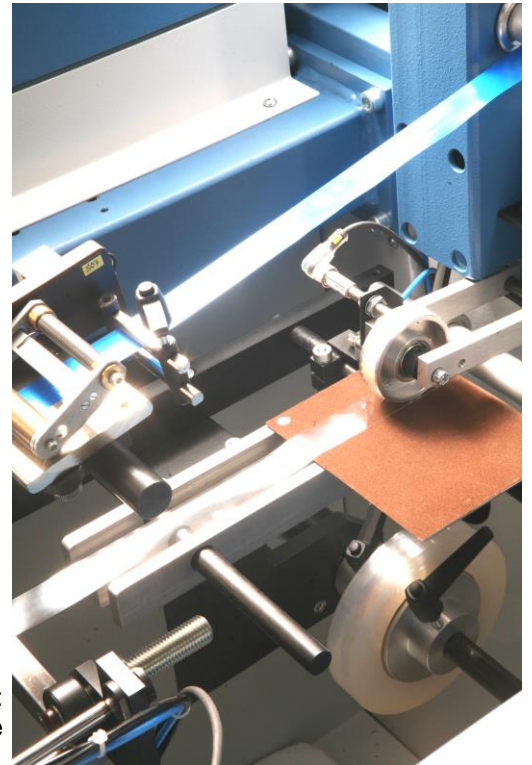
The winding process starts and keeps running until the electronically preset running length is reached. The machine stops, the guiding system moves out of the winding area, the knife cuts the end of the ribbon or rope. From a roll, a foil strip is pushed underneath the ribbon/rope end (option). The winding head keeps on turning until the foil end is completely covering the spool and an automatically supplied adhesive label attaches the foil reliably onto the finished spool without touching the winding material. The winding head loosens the clamping which held the finished roll tight. The new cycle starts by putting in a new core.



Version: TRA 1
Ribbon rolling unit



Version: TRA 1 V
Rope traversing unit



Optional:
Foil covering device

Additional Equipment:

- Automatic supply of tubes with or without side flanges by a vibration feeder.
- Manually loaded tube magazine.
- Tensionless and tangleless material supply, eligible either from a cylindrical centre spool or by pulling out of a supply box.
- Hot cutting device.
- Automatic cover foil supply with automatic labelling device.
- Meter countering with press wheel.

Production Data:

Depending on the diameters of the rolls, at 70 mm dia. rolls and 3 m ribbon length: approx. 12 spools / minute

Technical Data:

Winding heads:	1
Winding head revolutions:	max. 1940 1/min
Rolling speed:	max. 400 m / min
Winding length:	infinitely adjustable by length counter
Material supply:	cylindrical spools, max. 500 mm dia., 500 mm long or supplied out of boxes
Power consumption:	1,5 kW with creel
Air consumption:	max. 1,5 m ³ /h
Air pressure:	6,0 bar
Machine weight:	approx. 500 kg
Space requirements:	approx. 3,5 m ²

Subject to technical modification without notice.

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