

Español al Reverso

**Navis Global
World Headquarters**

113 Woodside Drive
Lexington, North Carolina 27292

PHONE 336-956-6444

TOLL FREE 866-882-3839

FAX 336-956-1795

www.navistubetex.com



TM-100 Compactor



**A proud heritage.
An innovative approach.
A global network.**

We are Navis TubeTex. Founded in 1929, Navis TubeTex is a leader in finishing machinery for the global textile industry. Based in Lexington, North Carolina, USA, Navis TubeTex designs, engineers and manufactures the world's leading machinery for the global knit, woven, nonwoven, technical and geotextile industries.

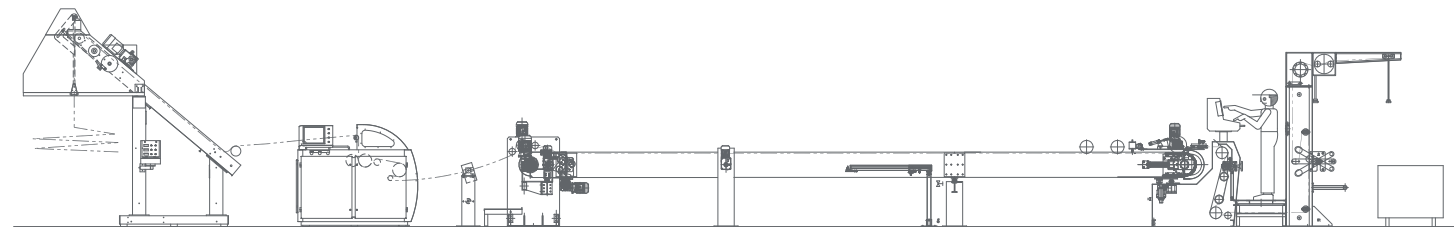
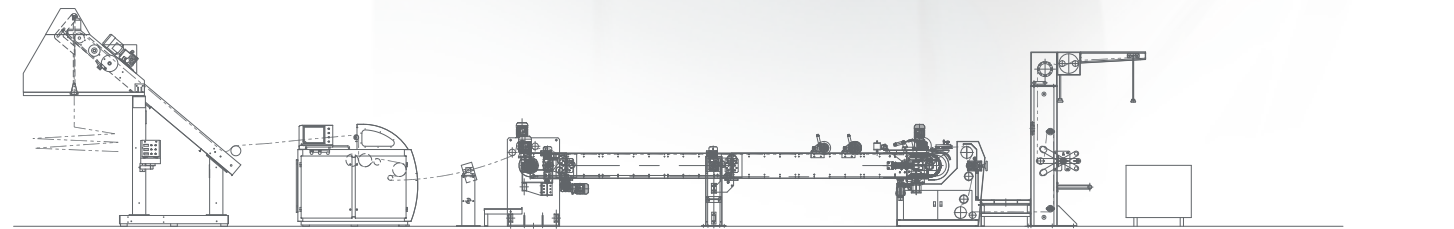
TM-100 Compactor

The TM-100 provides total control of shrinkage, yield and width. The TM-100 can produce residual length shrinkage values down to 3% and below by tumble-dry testing on cotton, viscose, lycra, and many other high fashion blends. The TM-100 incorporates many engineering breakthroughs that translate to faster changeover for fabric styles and higher quality finishing while reducing running cost.

The machine will produce high quality outerwear and apparel knit fabrics with a softer hand, superior shrinkage control, width control, and yield control.

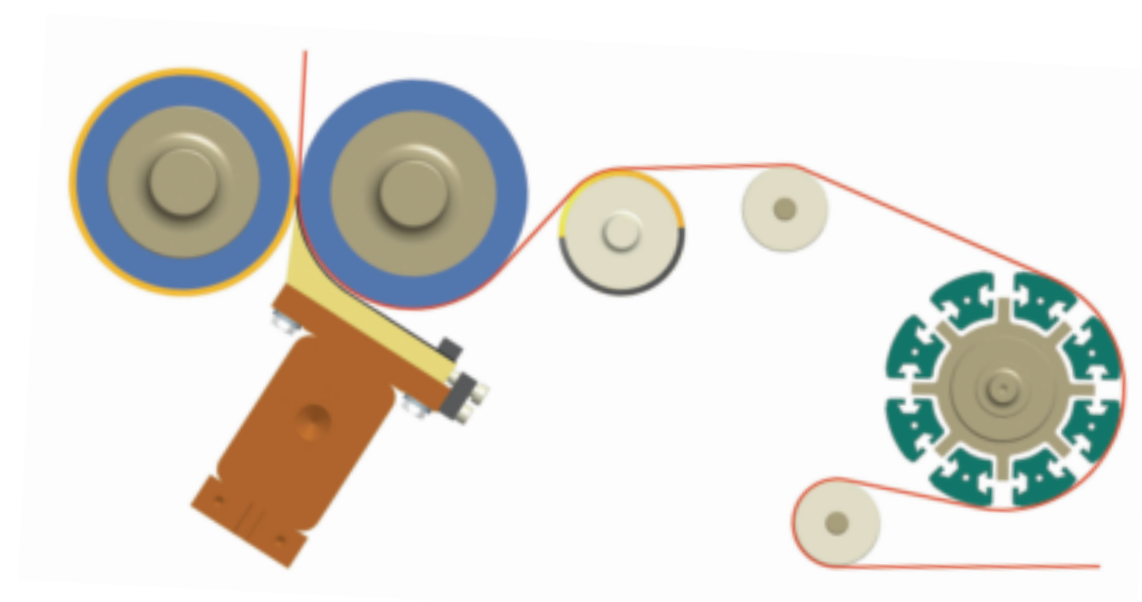
Standard Features:

- Compaction rates up to 25%
- Advanced roll technologies
- Sensitive fabric entry system
- Closed loop oil heating system
- Low carbon footprint



Navis TubeTex Equipment

- Pads
- Tensionless Dryers
- Tubular Shrinkage Control
- Stenter for Knit, Woven, Nonwoven, Technical
- Open Width Knit Shrinkage Control



Compacting Principle

The compaction section utilizes two rolls and one heated shoe to present the fabric into the compaction zone. A feed roll overfeeds fabric while the slower retard roll holds the fabric in the compaction zone. By decreasing the retard roll speeds, the machine operator can reduce the length shrinkage and increase compaction up to 25%.

Service Requirements	
Electrical	Body Only: 16kW installed, 12 kW average consumption
	PTE: 10kW installed, 7.5 kW average consumption
	Open Folder: 5kW installed, 3kW average consumption
Speed	0-60yd
Steam	400 lb/hr installed, 100 lb/hr average consumption
Air	80psi (5.5 bar) installed, consumption negligible
Widths	up to 100"
Weight	9,000 lbs. - TM-100



TM-100 Main Screen

Fabric Width Control – Bilateral Spreader

Fabric width is controlled just prior to entering the compaction zone with the Bilateral Spreader. The Bilateral Spreader maintains fabric width via input by operator selectable width sensors.

Closed Loop Oil Heating System

The closed loop oil heating system uses plant steam to heat a closed loop to heat the shoe and feed roll. Separate control loops for the feed roll and shoe ensure that each loop maintains uniform temperature. The closed loop oil heating system set up is environmentally safe and efficient.

Pin Tenter Entry (Option)

When the process requires, Navis TubeTex can add a Pin Tenter Entry.

- 6 meter Pin Tenter Entry
- 10 meter Pin Tenter Entry
- 12 meter Pin Tenter Entry

The 12 meter Pin Tenter Entry incorporates Gumming, Infrared Selvage Drying and Selvage Trimming as required.

