

Español al Reverso

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**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**

TM-100 Compactor

Navis TubeTex Equipment

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:

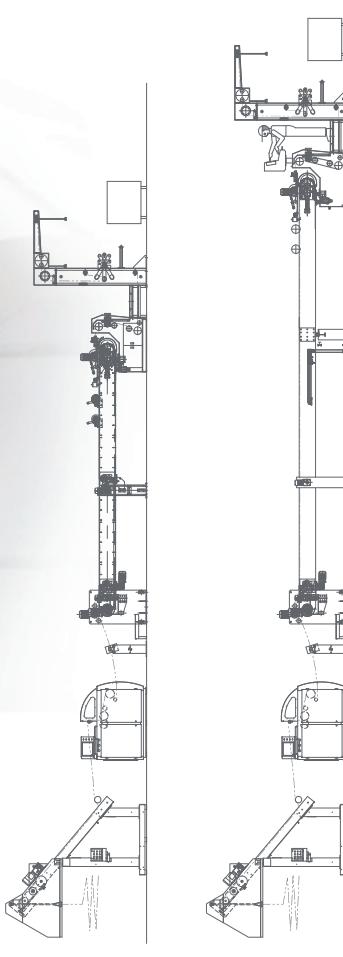
- Compaction rates up to 25%
 - Advanced roll technologies
 - Sensitive fabric entry system
 - Closed loop oil heating system
 - Low carbon footprint
- Fabric Width Control – Bilateral Spreader**
- Fabric width is controlled just prior to entering the compaction zone with the Bilateral Spreader. The Bilateral Spreader maintains fabric width via input by operator selectable width sensors.

Compacting Principle

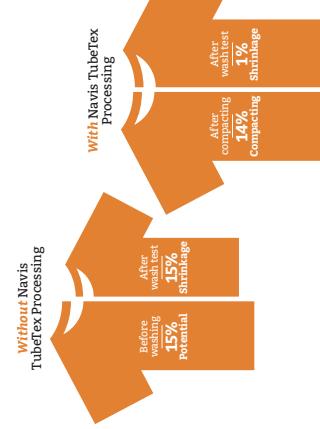
The compaction section utilizes two rolls and one heated shoe to present the fabric into the compaction zone. A feed roll overfeeds fabric while the slower retard roll holds the fabric in the compaction zone. By decreasing the retard roll speeds, the machine operator can reduce the length shrinkage and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

Service Requirements

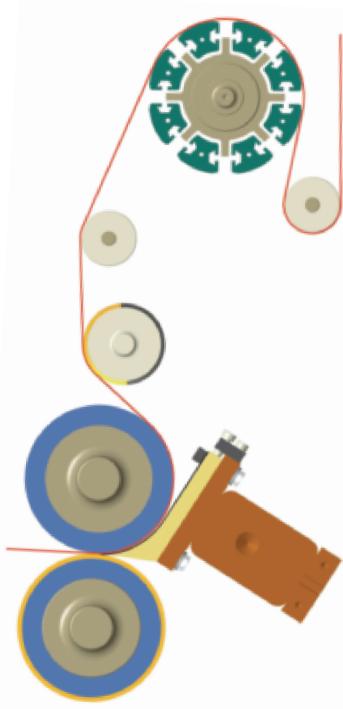
Body Only	16kW installed, 12 kW average consumption
PTE: 10kW	installed, 7.5kW average consumption
Open Folder: 5kW	installed, 3kW average consumption
Speed	0-60yrd
Steam	400 bbl/hr installed, 100 bbl/hr average consumption
Air	80psi (5.5 bar) installed, consumption negligible
Widths	up to 100"
Weight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



Without Navis
TubeTex Processing



With Navis TubeTex
Processing



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 Gummaging, Infrared Salvage Drying and Salvage Trimming as required.