



# **C-2500 MC+ Open Width Compactor**

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**World Headquarters**

*Dyeing, Finishing, Coating Solutions!*

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**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.

## Navis TubeTex Equipment

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

# C-2500 MC+ Open Width Compactor

Building on the success and history of the previous model compactors, the Navis TubeTex C-2500 MC+ is continuing to make history. The Navis TubeTex C-2500 MC+ provides total control of shrinkage, yield and width. The Navis C-2500 MC+ 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 C-2500 MC+ incorporates many engineering breakthroughs that translate to faster change over 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. An optional Automatic Width Control and Automatic Stitch Control devices are available for further ease of operation.



**Navis TubeTex**  
**C-2500 MC+ Open Width**  
**Compactor**

*C-2500 MC+ Special Features:*

- Compaction Rates up to 25%
- Next Generation Advanced Roll Technologies
- Sensitive Fabric Entry System
- Enhanced Edge Decurling Ability
- Comprehensive Steaming System
- New Generation Oil Heating System
- Reduced Carbon Footprint by 20%

# Compacting Principle

The compaction section uses 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 to 25% and more.

## Fabric Width Control – Bilateral Spreader

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

## New Generation Oil Heating System

The Recirculating 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 setup is environmentally safe and efficient.

## Pin Tenter Entry (Option)

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

- 9 meter (30 feet) Pin Tenter Entry

Machine Specifications	
Working Width	up to 2460 mm (96 inches)
Machine Speed	0-60 m/m (0-65 yd/min)
Steam Requirement	90 kg/hr (200 lb/hr)
Power Requirement	25 kw/hr
Air Requirement	5.5 bar

