



BHATT BROS.
LEADING TEXTILE PROCESSING MACHINERY & PARTS MANUFACTURER



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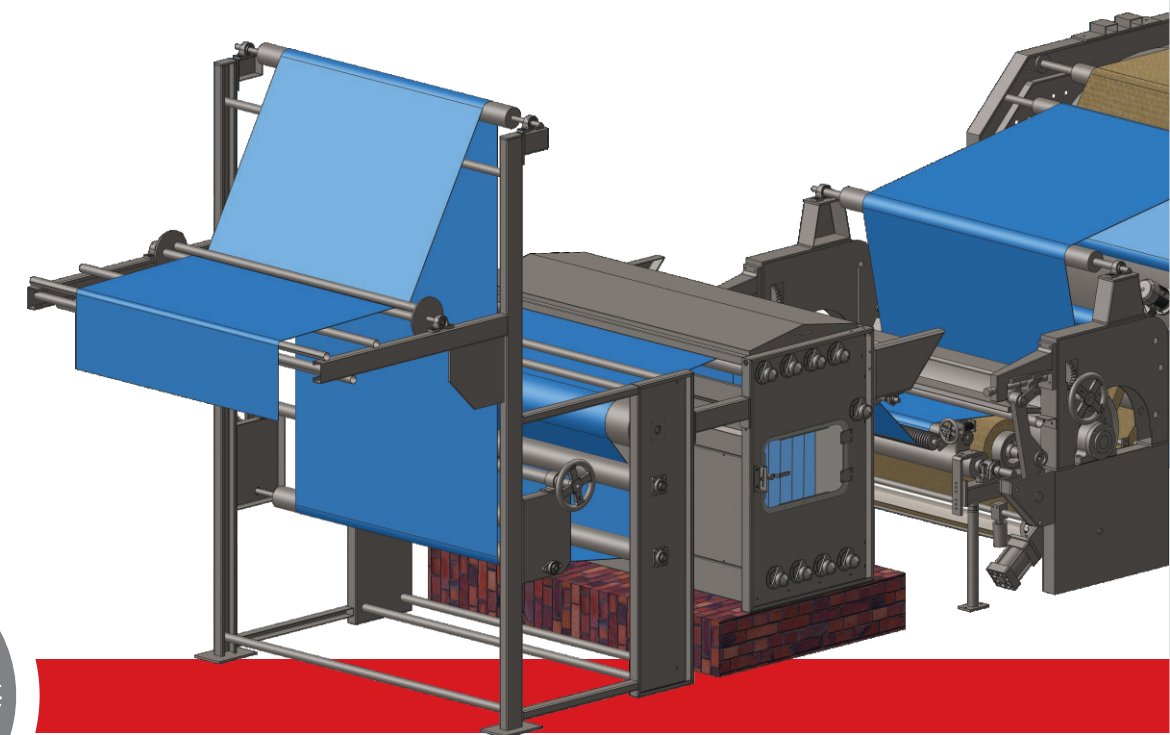
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Note: The details given in the leaflet cannot be considered as binding. Technical Indications are infinitely variable.

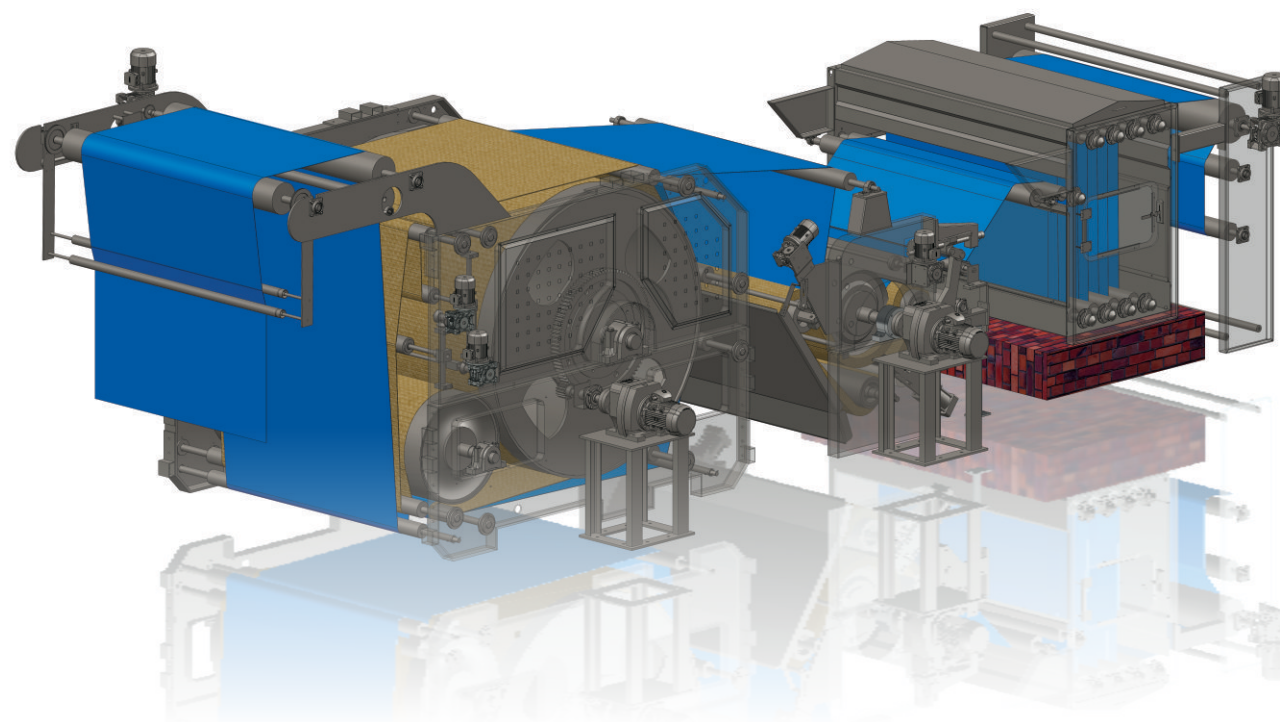
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CONFINING SHRINKING RANGE

FINISHING

CONFINING SHRINKING RANGE



Confine Shrinking range improves finishing process of woven and denim fabrics by allowing necessary shrinkage and stabilization of the fabric.

Shrinking Range provides dimensional stability of the fabric structure and comprises better hand-touch effect.

Good and even damping is a pre-requisite for achieving optimum shrinkage results. A damper unit maintains the humidity and moisture in the fabric with application of moist steam in a closed chamber.

Further the textile advances in-between steam-heated shrinking cylinder and external rubber belt controlled by three guiding rollers which aids in retaining tension and pressure on the fabric.

Fabric guides between rubber surface and polished drum surface forcing itself to change and stabilize its dimension.

Longevity of rubber belt is prevalent primarily due to water-jet rubber belt cooling unit and secondarily due to the squeezing rollers which extracts excess amount of water on the felt before coming in contact with the fabric and hence, occurrence of crack and slot is prevented.

A grinding unit is integrated to apply uniformity throughout the width of the rubber felt, but can be removed if necessary.

After achieving the dimensional stability, the fabric advances to the palmer unit where it comes in contact with the palmer felt which removes the line-marks and provides an even finish on the fabric.

The palmer felt roller consists of a large diameter which amounts the lowest tension on the felt and high pressure on the guided fabric in order to provide better surface treatment and hand-touch effect.

Cooling cylinders are optional at the exit of the range which consists of chilled circulated water to cool and condense the hot fabric as it comes out of the palmer unit.

THE DEGREE OF SHRINKAGE PRIMARILY DEPENDS UPON

- Degree of compression in the rubber felt.
- Speed of the felt.
- Temperature of the Shrinking cylinder.
- Humidity on the fabric.

SALIENT FEATURES

- Temperature controlled Dampening chamber and cylinder to control humidity and moisture.
- Tensioning and pressure device on felt for providing sufficient pressure on the fabric.
- Mirror-Polished Pressure Roller
- Outside-Positioned squeezing rollers for less wear and tear on rubber felt.
- Water-Jet rubber belt cooling unit.
- Ternal rubber belt grinding unit for adequate grinding if necessary.
- Large Cylinder Diameter of Palmer felt for less abrasion.
- Adjustable Pressure for better stability and shrinkage.
- Cooling Cylinder with water circulation. (Optional)

TECHNICAL DATA

Total Length	12 - 15 m
Working Width	up to 3400 mm
Roller Width	up to 3600 mm
Total Width	RW + 2500 mm
Shrinking	0 - 12%
Mechanical Speed	up tp 60 m/min
Heating Medium	Steam
Cooling Cylinder	On Request
Technology	Shrinking, Finishing

