

SANTEX  
RIMAR  
GROUP

SperottoRimar



# UNIVERSA

RELAXING STEAMING  
AND SHRINKING MACHINE

## UNIVERSA

The steaming and relaxation process without tensions of woven and knitted fabrics have a new benchmark with UNIVERSA

Innovative design and flexibility of use grant the UNIVERSA technical and operational advantages. The level of stabilization and swelling obtained are excellent with a great range of articles having different compositions.



Programmable and storable machine setting for unmistakable repeatability of the finishing results.

A steaming roller, covered with anti slippery material, lays the fabric on the conveyor belt.

The right degree of overfeeding is assured by adjusting the feeding roll. The adjustment can be manual, by a potentiometer, or automatic by a photocell which detects the fabric position.

The driven conveyor belt transports the fabric inside the steaming tunnel. The relaxing and swelling effects are provided by the direct steam injected and by the belt vibrations. The belt vibration is generated by a dedicated roller placed under the conveyor belt. Amount of steam and vibration level are adjustable, according to the treated fabrics and the required result.

The top of the steaming tunnel is closed by a series of steam heated panels. Escaping steam at tunnel entry and exit is trapped and sucked by specific suction hoods. Heated panels and suction hoods are to prevent steam condensations which can lead to water drops on the fabric.

The steaming tunnel injecting steam nozzles are the results of Sperotto Rimar research and experience. The special design ensures the uniform and effective passage of the steam through the fabric to achieve the best steaming results.

At machine exit, an inclined conveyor belt transports the fabric without tensions to the plaiter (flat or variable length).

Under the conveyor belt exit there is a suction unit to cool the fabric and remove residual steam.

## Advantages of Universa

- Maintenance and cleaning are now faster and economical thanks to innovative automatic opening of the steaming section that allows a quick and efficient removal of all the impurities deposited inside
- Self-threading-in to facilitate the use
- Heavy reduction of the steam consumption

## Applications

Universa can be used every time relaxing, shrinking and bulking effects are required. Removal of excessive shine imparted to the fabric in the previous finishing operations. It can be used to relax and shrink the fabric before the decatizing treatment. In this case Universa and any decatizing machine can be connected and operate as a finishing line.

## Field of Applications

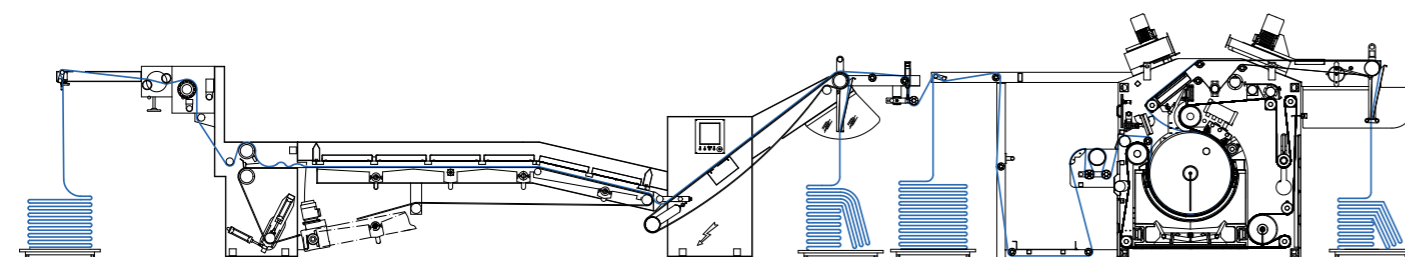
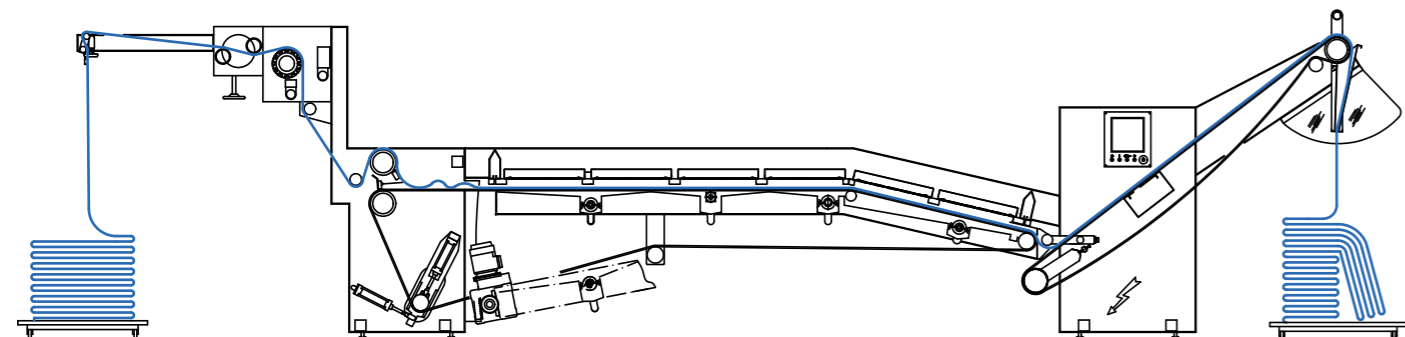
Universa is able to treat almost all kind of fabrics: woven and knitted wools and silks, synthetic, cellulosic and many other composition and blends.

Particularly effective to relax and shrink elastic fabrics woven or knitted.

Extremely suitable in quality control departments before garments are cut.

## TECHNICAL DATA

Working width	180 - 220 - 240 cm
Mechanical speed	4 ÷ 40 m/min
Connected load	12 kW
Absorbed load	8.5 kW
Saturated steam	5 bar
Steam average consumption	200 - 240 - 280 Kg/h
Compressed air feeding	5 bar
Compressed air consumption	100 NI/h
Noise level	<85 dB(A)



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