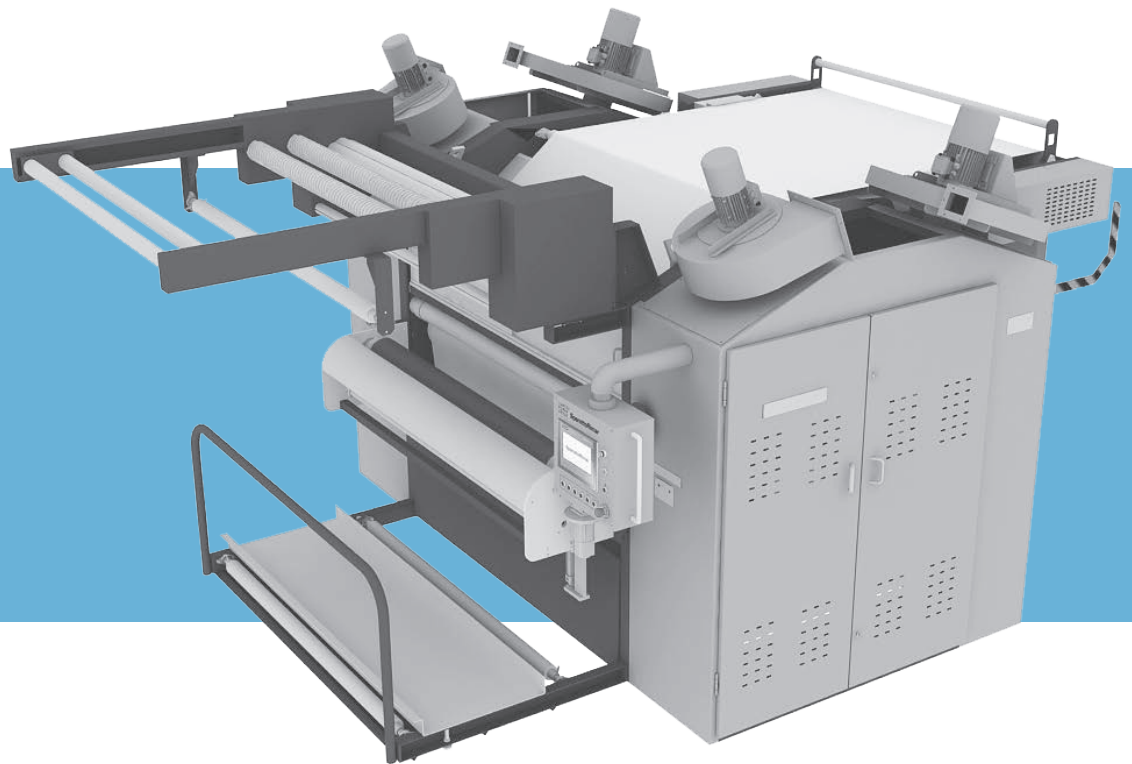


SANTEX  
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**SperottoRimar**

*Tradition is our strength  
Innovation is our mission*



## **DECOFAST 3.5**

CONTINUOUS DECATIZING PROCESS  
UNDER PRESSURE

## DECOFAST 3.5 the continuing evolution of continuous decatizing process under pressure

- To match the fashion requests always looking for new fabrics, articles and final finishing effects
- To meet the increasing demand of continuous decatizing treatment, which, beside the traditional range of worsted and woollen, is enlarged to knit and woven made with a wide number of compositions and blends, ranging from cellulose to synthetic fiber
- To enlarge the finisher possibilities to achieve new finishing effects

Decofast 3.5, totally re-engineered, carries new solutions/innovations in: mechanical, electrical/electronic, components and configurations with the aim to provide a reliable and effective tool in the hands of the modern finisher.

The basic machine configuration presents an accurate fabric tension control and management. Very effective especially when treating elastic fabrics both woven and knitted.

The machine, for knitted version, is equipped with an inlet studied and developed with effective and accurate devices for fabric tension control and selvages opening.

More compact machine size to improve accessibility on both sides for easy maintenance activities.

Innovative felt with new characteristics: granting even and uniform fabric appearance, reducing the steam consumptions and increasing working life of the felt itself.

Minimized friction of mechanical parts in contact with felt, newly modified into rotating type instead of the formerly fixed elements.

The vessel steam pressure range has been enlarged with possibility to reach 3 bars.

Electric electronic parts and software renewed with drive motors of high precision performances.

Very reliable electrical components, simplified maintenance and parts substitution.

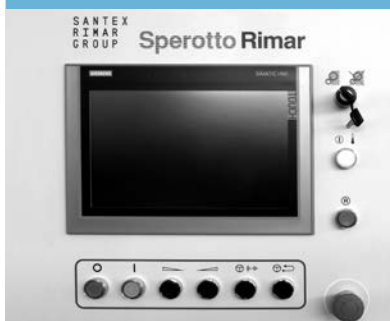
## Process

In the Decofast 3.5, continuous decatizing process under pressure, the fabric undergoes to the action of direct steam combined with the drum temperature, independently adjustable at different values, at the same time it is constrained between felt and drum with adjustable tension.

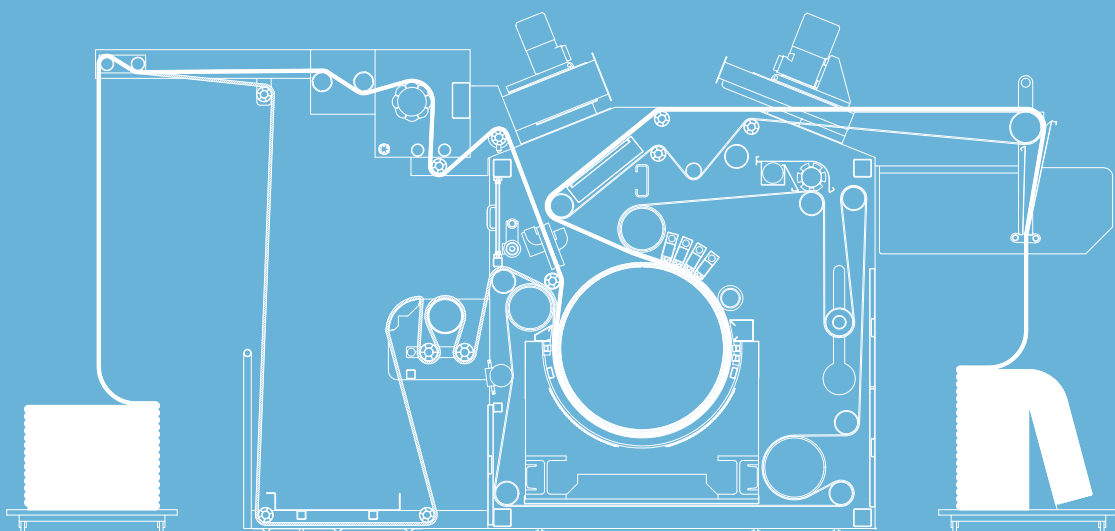
The under pressure steaming and heating system is composed by 3 combined elements: drum - special shaped vessel - sealing devices.

The fabric enters in the machine and is conveyed by the endless felt, which leads the fabric through the steaming and following suction unit. In this last part, the fabric temperature is reduced and the steam removed. This will set the fabric modifications which take place when the fabric undergoes the action of direct steam, temperature and mechanical constrain.

By entering different values of working parameters (drum and vessel steam pressure, felt tension and suction degree), a wide range of effects in terms of fabric touch, appearance and setting can be achieved. Drum and vessel steam pressures adjustments are totally independent, and grant more moist or dry decatizing conditions.



Process parameters controlled by PLC with possibility to store and recall the recipe settings.



## APPLICATIONS

- Final decatizing treatment
- Fabric preparation for KD
- “Finish” decatizing after KD. Mainly for wool fabrics: to remove excess of stiffness typical of KD process, improvement of tailoring parameters and increasing of fabric suppleness

### Field of applications: articles/fabrics

- Pure wool worsted/woollen
- Wool blend with polyester or polyamide
- Silk and silk blends
- Rayon, rayon/synthetic blends
- Polyester/viscose
- Synthetics and blends.

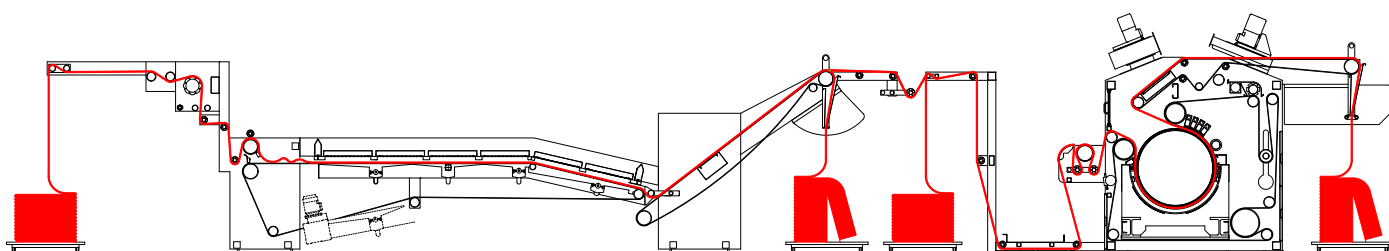
The machine is suitable to treat circular/warp knit fabric structures, including all elastic variants with elastomeric fiber.

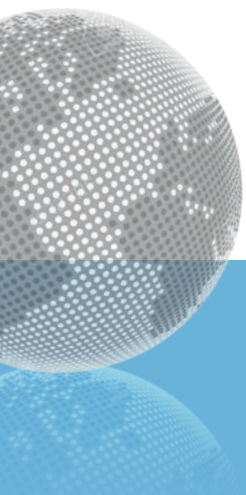
## TECHNICAL DATA

Working width	180 - 220 cm
Mechanical speed	4 - 40 m/min.
Working speed	4 - 40 m/min.
Absorbed load	55 kW
Saturated steam pressure	6 bar
Compressed air feed pressure	6 bar
Noise level	<79 dB(A)
Machine weight (approx.)	10 T
Maximum room required (approx.)	650x850x330 cm
Average steam consumption (approx.)	500 Kg/h



## Example finishing line





CAVITEC® ISOTEX® *SANTEX*  SMIT SOLWA SperottoRimar

# DECOFAST 3.5

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- China
- India

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