

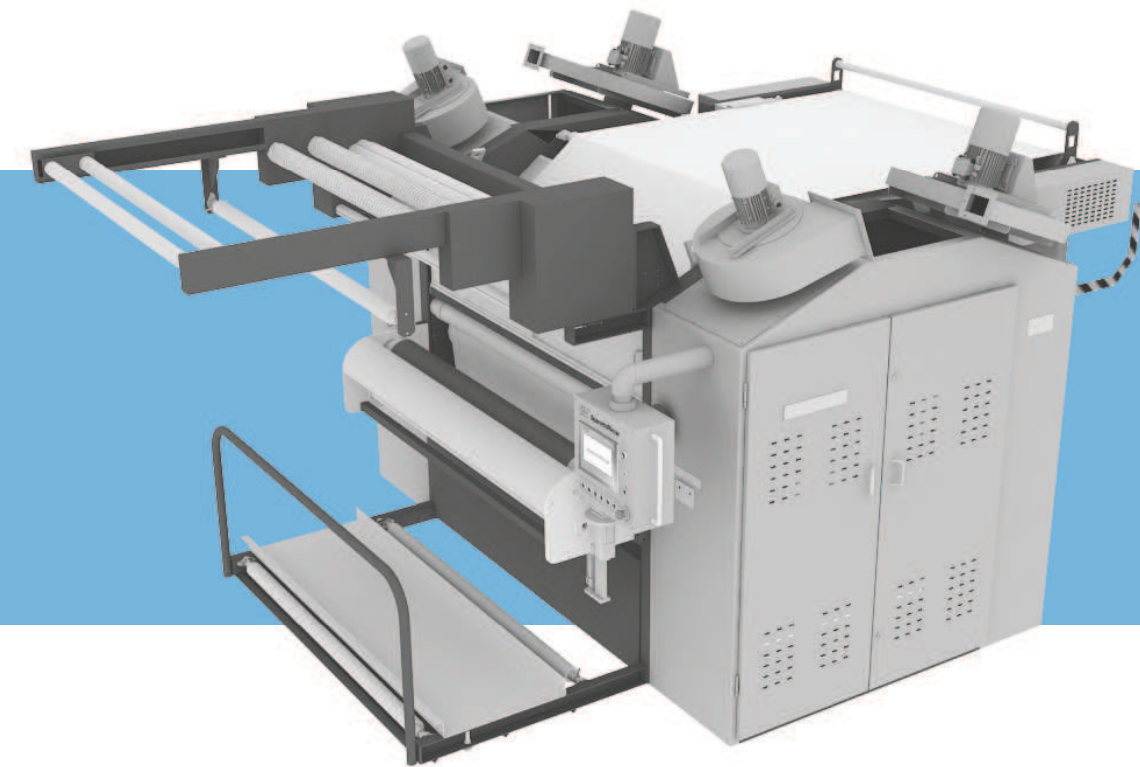
SANTEX
RIMAR
GROUP

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*Tradition is our strength
Innovation is our mission*

CAVITEC® ISOTEX®  SMIT SOLWA SperottoRimar

DECOFAST 3.5



DECOFAST 3.5

CONTINUOUS DECATIZING PROCESS
UNDER PRESSURE

SANTEX RIMAR GROUP Worldwide

- Italy
- Switzerland
- China
- India

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DECOFAST 3.5

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 fibre
- 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 parts and configurations with the aim to provide a reliable and effective tool to the modern finisher.

The basic machine configuration presents an accurate fabric tension control and management. Very effective especially when treating elasticized fabric woven or knit as well.

The machine, in knit configuration, foresees 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 lateral sides to ease the maintenance activities.

Innovated felt with new characteristics: to assure an even and uniform fabric aspect, to reduce the steam consumptions and increase the working life of the felt itself.

Minimized the friction of mechanical elements in contact with felt. The vessel steam pressure has been enlarged with possibility to reach 3 bars.

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

Electrical components highly reliable, maintenance and parts substitution simplified.

Process

The continuous decatizing under pressure is characterized by a machine section, in which the fabric is submitted to the action of direct steam with pressure settable at different levels. This is achieved by the system: drum - properly shaped vessel - sealing devices.

The fabric enters in the machine and gets in contact with endless felt, which leads the fabric through the steaming and following suction sections. At the end the fabric temperature is reduced and the steam removed thus setting the fabric modifications occurred during the process.

By aging on setting values of working parameters (drum and vessel steam pressure, felt tension and suction degree), a wide range of effects in terms of fabric touch, aspect and stabilizations can be achieved.

Drum and vessel steam pressures adjustments are totally independent, this is important to get more moisten or dry treatment conditions.

APPLICATIONS

- Final decatizing treatment
- Fabric preparation for KD
- "Finish" decatizing after KD. Mainly for wool fabrics: to remove excess of stiffness imparted by KD, improvement of tailoring parameters and increment 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.

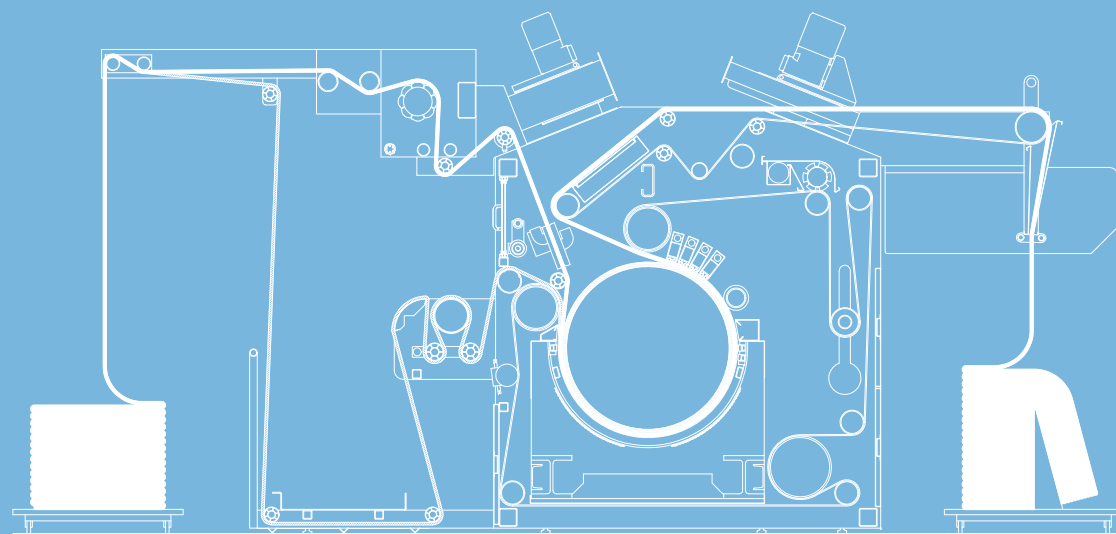
The machine is suitable to treat circular/warp knit fabric structure, including all elasticized variants with elastomeric fibre.

TECHNICAL DATA

Working width	180 - 220 cm
Mechanical speed	4 - 40 m/min.
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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



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



Example finishing line

