

COMPACTING SOLUTIONS

COMPAS

The compacting
revolution

SANTACOMPACT RD

Levelling, steaming
and compacting
of open-width knitted
fabrics

SANTASPREAD

Steaming
and compacting
of tubular knitted
fabrics

COMPAS

The compacting revolution



Compas is the new open width compacting and finishing machine for knitted and woven fabrics.

The compacting concept is based on a revolutionary system which exploits the use of a special rubber belt compound.

The belt elasticity is exploited in order to enhance the fabrics compacting.



MAIN TECHNICAL FEATURES

- New and unique compacting system
- Special compacting belt with exclusive technical properties
- No direct water spraying on the compacting belt surface. No water absorption by the processed fabric
- Indirect rubber belt cooling with totally unpolluted water recycling system
- Compact design and easy handling
- Latest generation motors for energy saving purposes

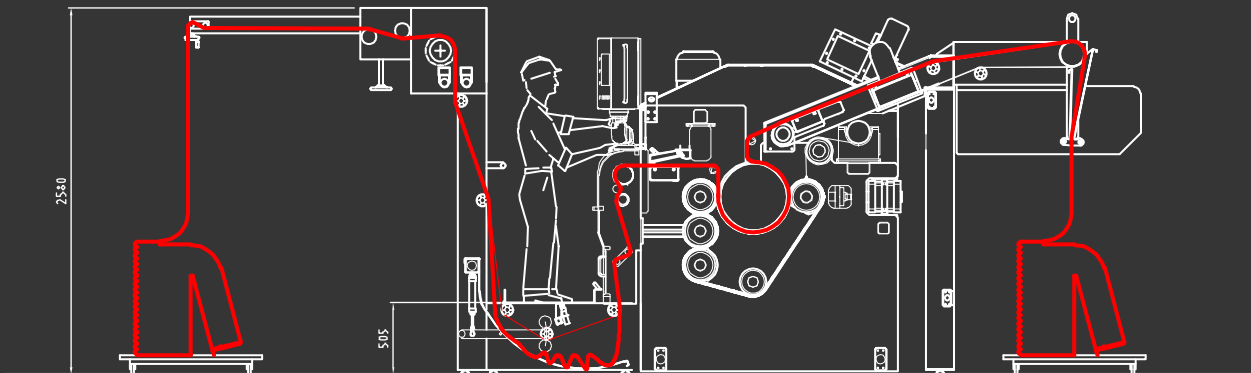
HIGHLIGHTS

- Extreme versatility
- Compacting of any kind of cellulosic based fabrics including viscose and re-cycled cotton but also blends containing elastan and other synthetic fibers
- No creases or surface unevenness even with fabrics having very tight constructions
- Dull or shiny appearance according to the final desired effect

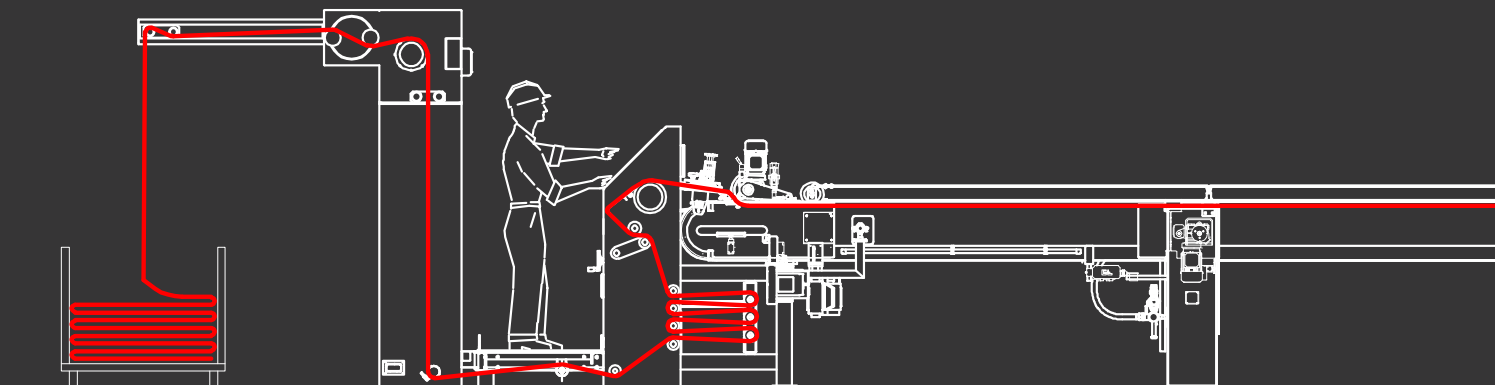
TECHNICAL DATA

Rollers width	2600 - 3000 mm
Working width	1800 - 2400 mm
Mechanical speed	4 - 40 m/min
Installed power	50 kW
Absorbed power	40 kW
Noise level	<85 db
Steam consumption	350 kg/h

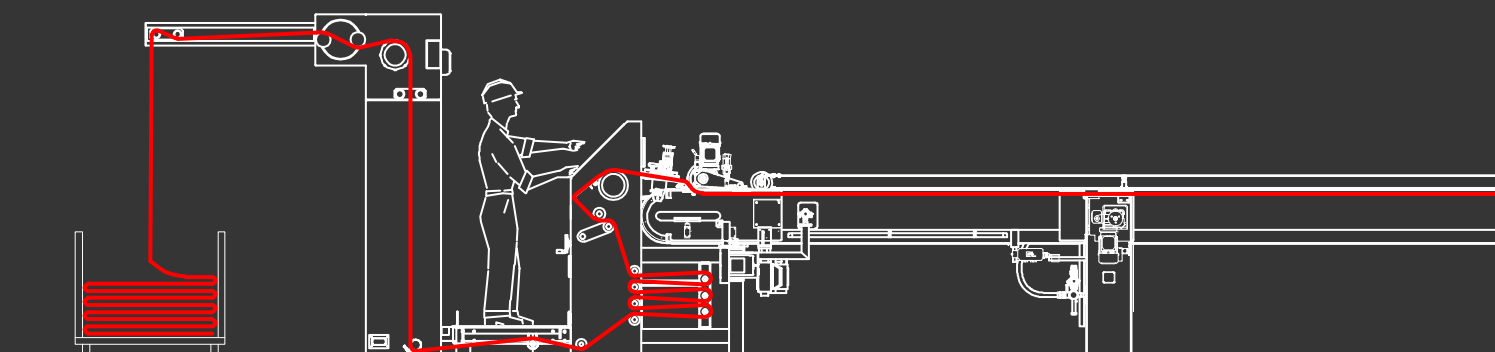
Compas K



Compas KF



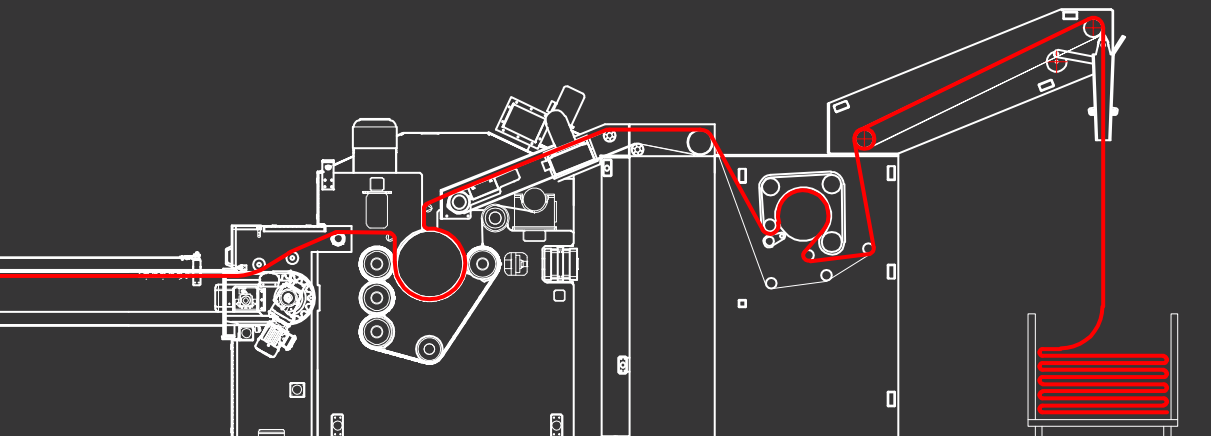
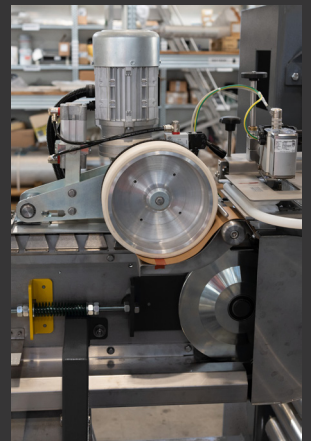
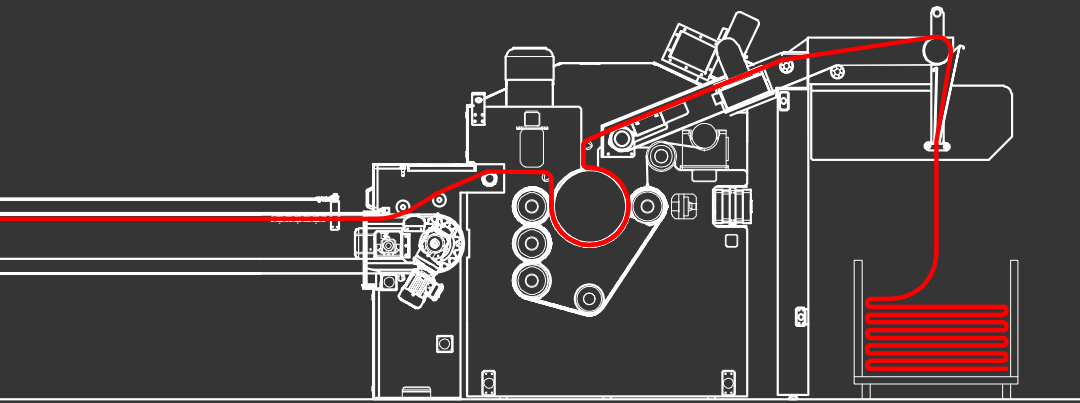
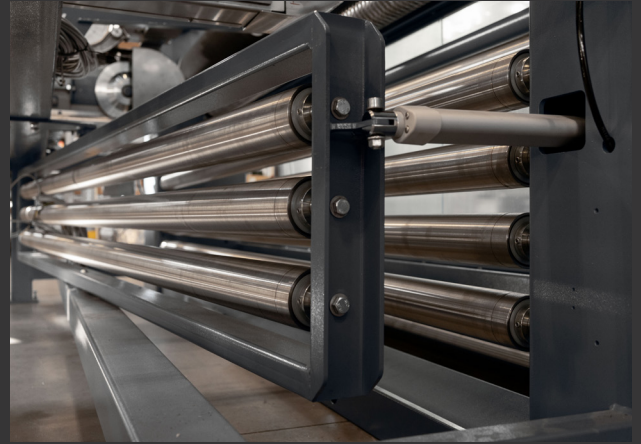
Compas KF Plus



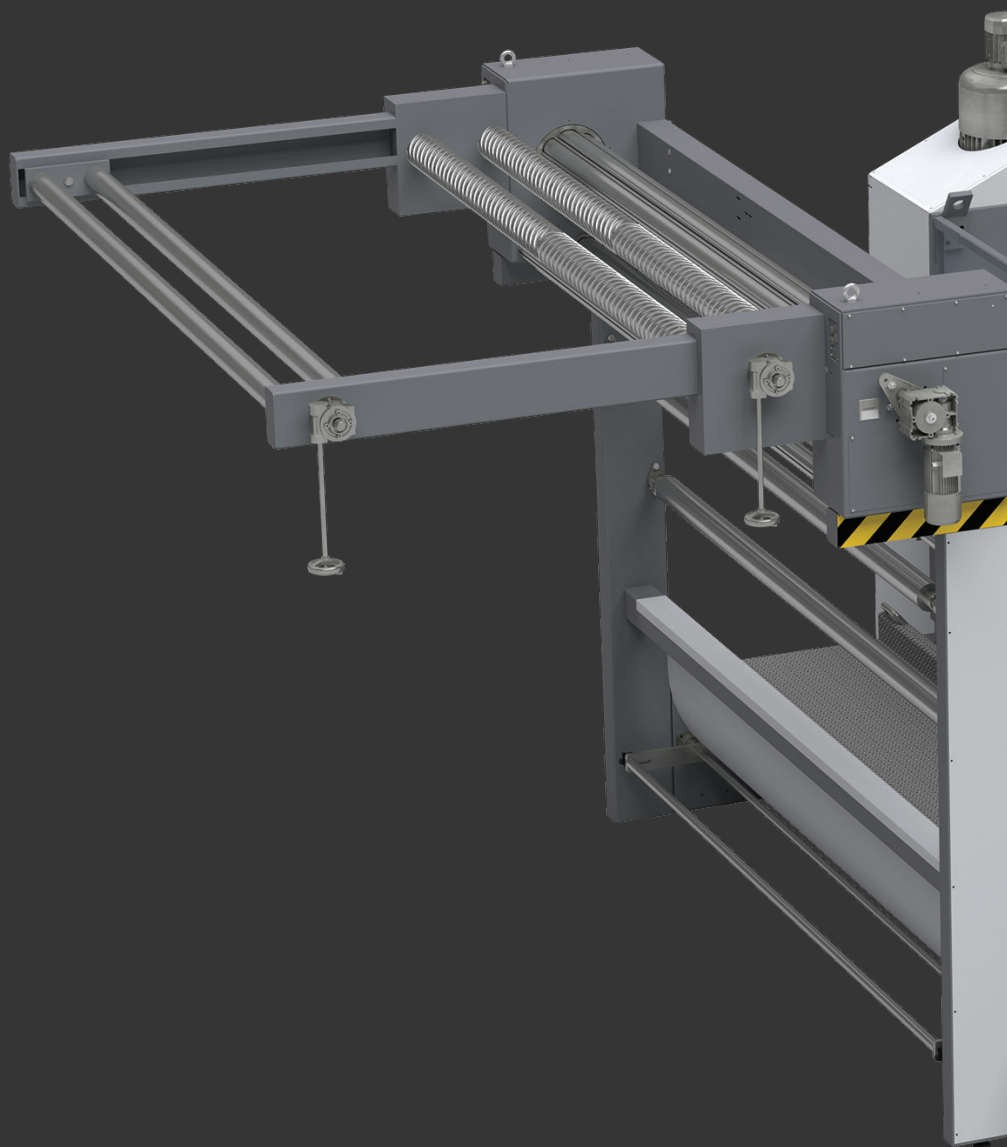
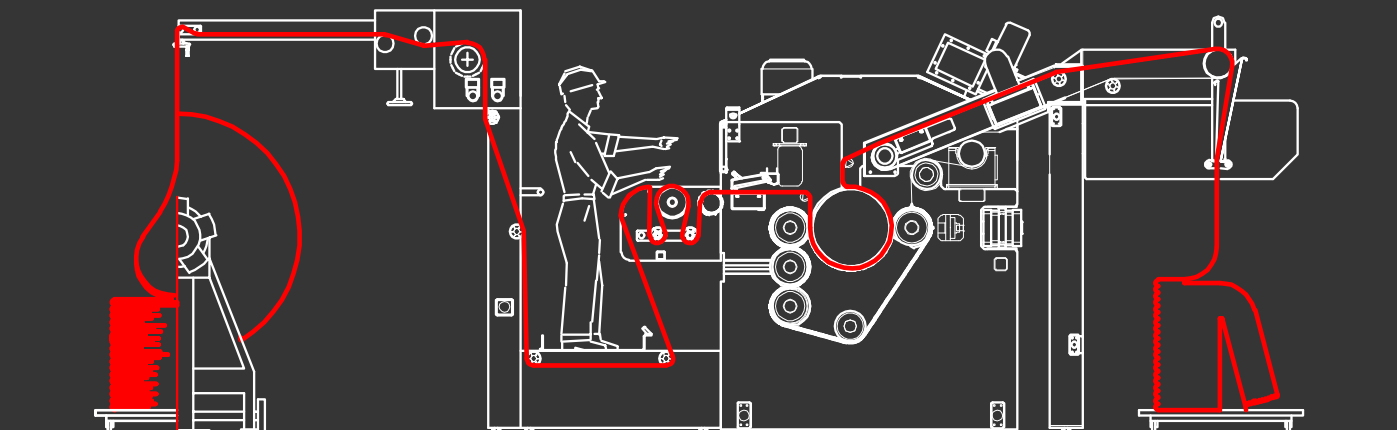
Knitted fabrics

HIGHLIGHTS

- Optimum residual shrinkage value with all types of knitted structures.
- Viscose optimized machine.
- Silky and smooth touch.



Compas W



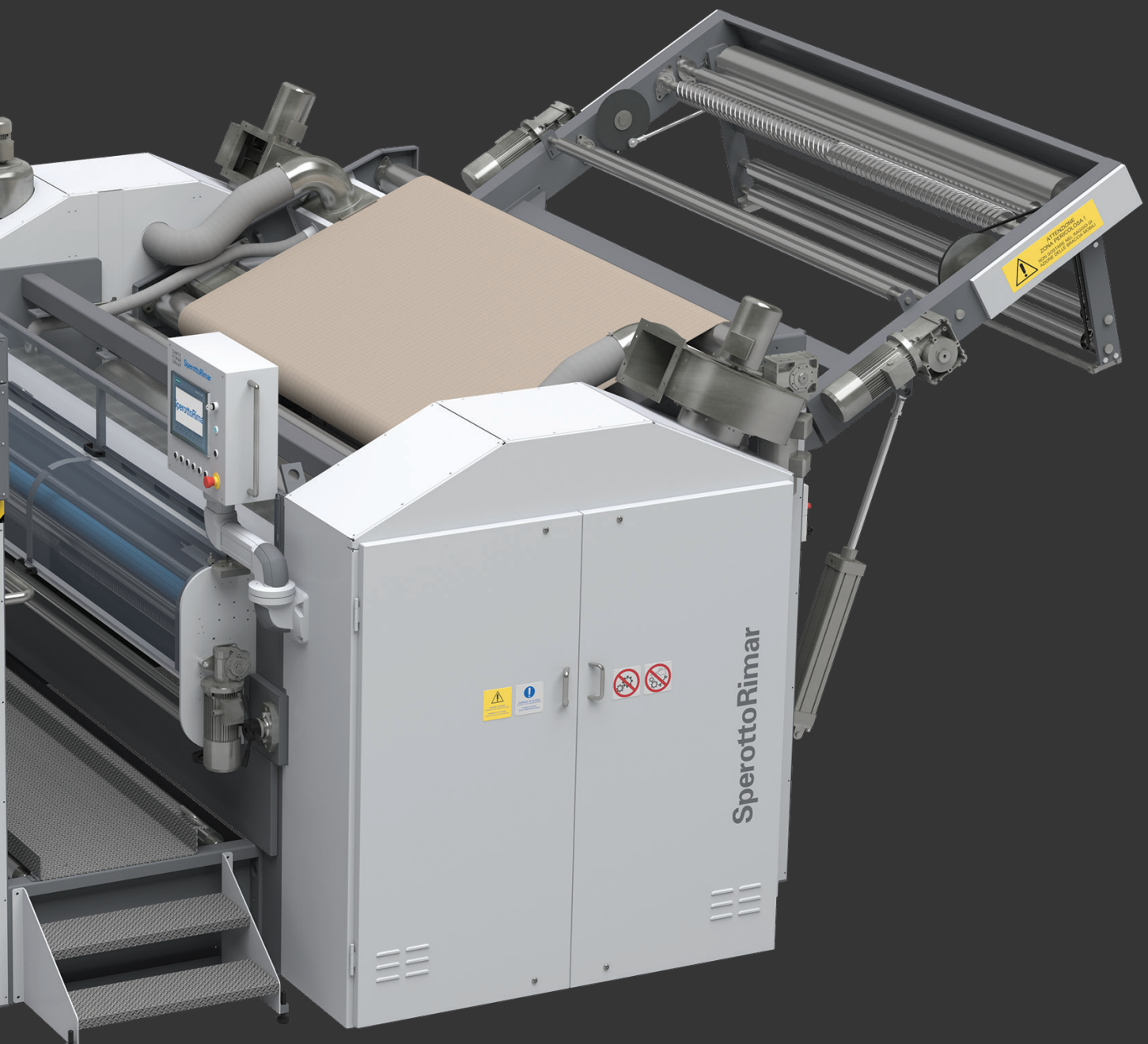
Great versatility

- Compacting is effective with any kind of fabric composition
- Different final appearance possibility thanks to the accessories applied to the machine
- Special "Compas Touch" feeling due to the exclusive compacting method

Woven fabrics

SPECIAL FEATURES

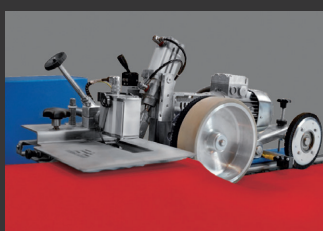
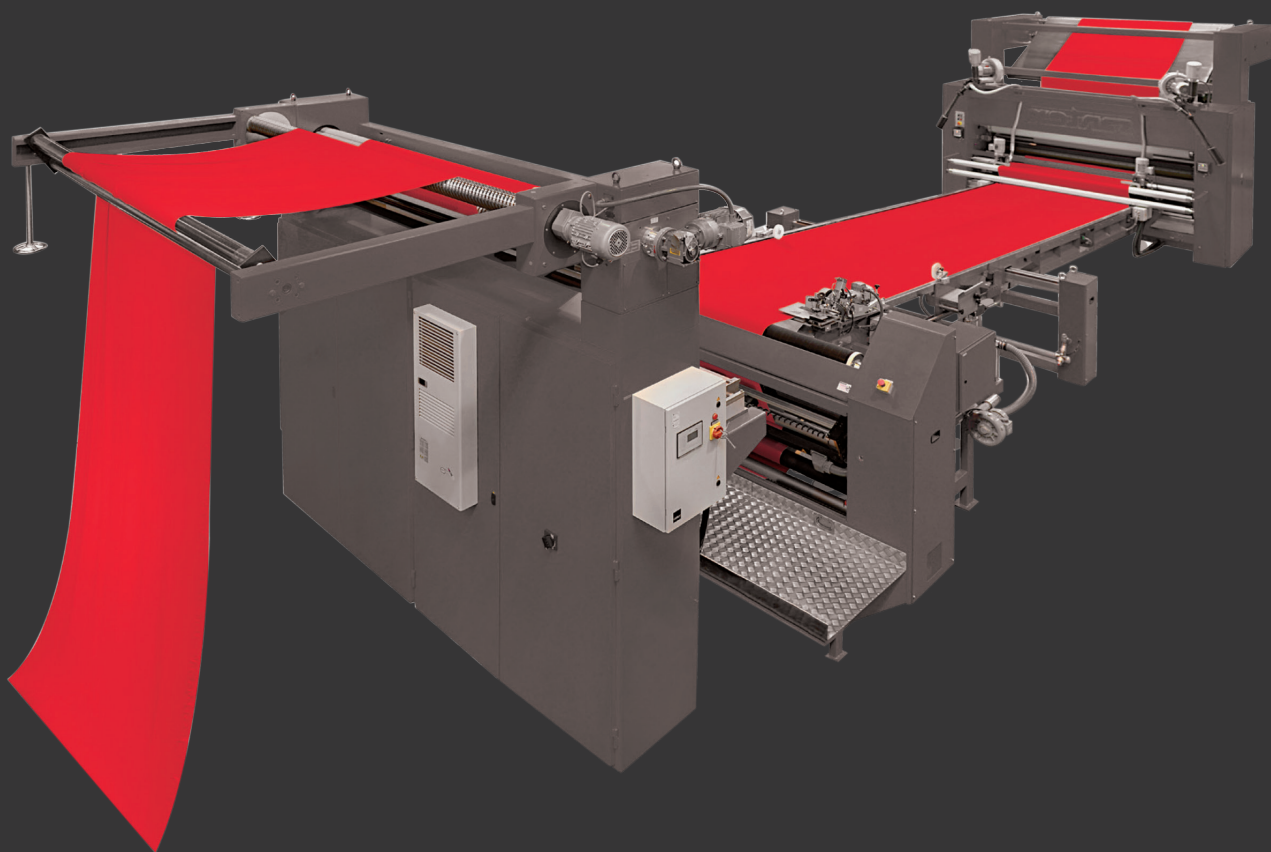
- Compacting of 100% wool worsted fabrics
- Permanent natural stretch on the fabric warp
- No need of any elastic yarn



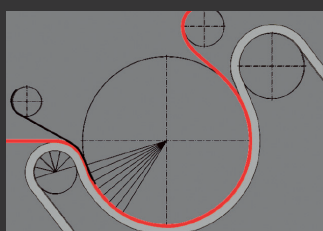
SANTACOMPACT RD

Levelling, steaming and compacting of open-width knitted fabrics

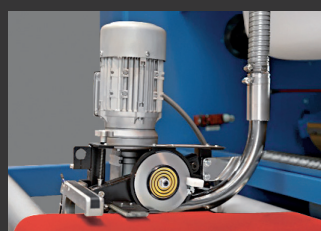
The Santacompact RD provides the best dimensional stability in the finishing of high-quality open width knitted fabrics through a gentle and controlled handling through the machine.



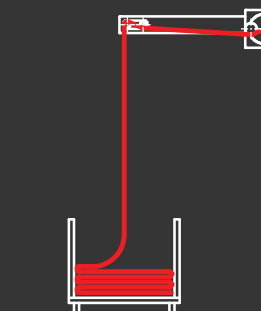
Edge uncurling and pinning device by E+L



Compacting principle



Edge cutting device



MAIN TECHNICAL FEATURES

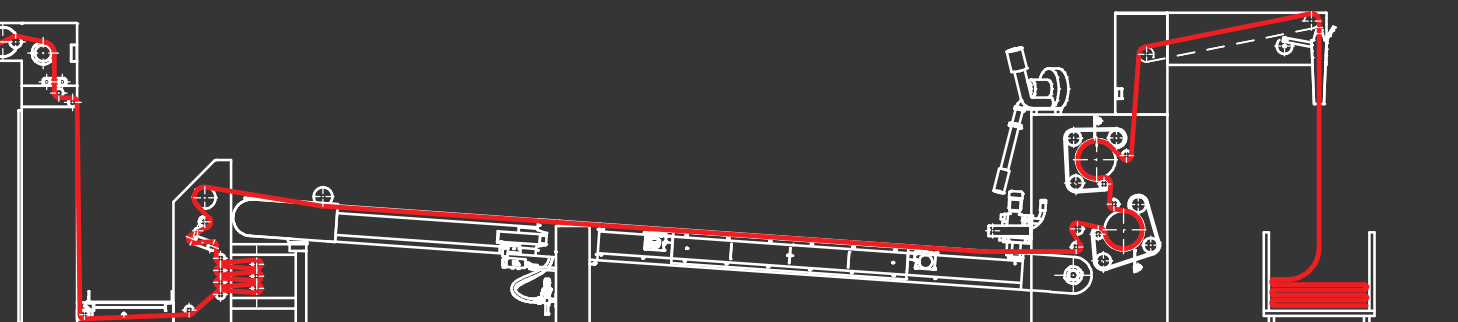
- Excellent dimensional stability of fabrics with tensionless and distortion-free processing through pinning, equalizing frame provided with individual drive and newly designed chain.
- In-built manual weft straightener for correcting the fabric skewing.
- V-shaped steaming box which adapts to the chain width and decreases the steam consumption.
- Specially designed multilayer felt belts with higher flexibility potential to increase the achievable compacting values.

ADVANTAGES

- Specially designed low maintenance chain made in stainless steel. Higher durability and lighter weight mean lower energy consumption.
- V-shaped steam box adapting to the different fabric widths. More efficient and less energy demanding.
- Independent left and right chain drive for better weft control.
- Digitally controlled Teflon shoes adjustment in the two compacting passages
- Fully electronically controlled using the latest automation technology, electronic loading cells for precise fabric tension control and user-friendly touch screen panel.

TECHNICAL DATA

Working width	2400 mm others on request
Total width	working width + 1,7 m
Machine speed	50 m/min
Working speed	35 m/min average speed 25 m/min with edge gumming and drying
Power supply	70 kW incl. options
Options	Additional Moistening Device. Weft Straightener, Edge Gumming and Drying. Edge Cutting and Selvage Extraction. Automatic Width measurement. Inspection and Winding Unit. Cooling Unit. J-Box, Ionization unit, Batching winder
Length	approx 14 m



SANTASPREAD

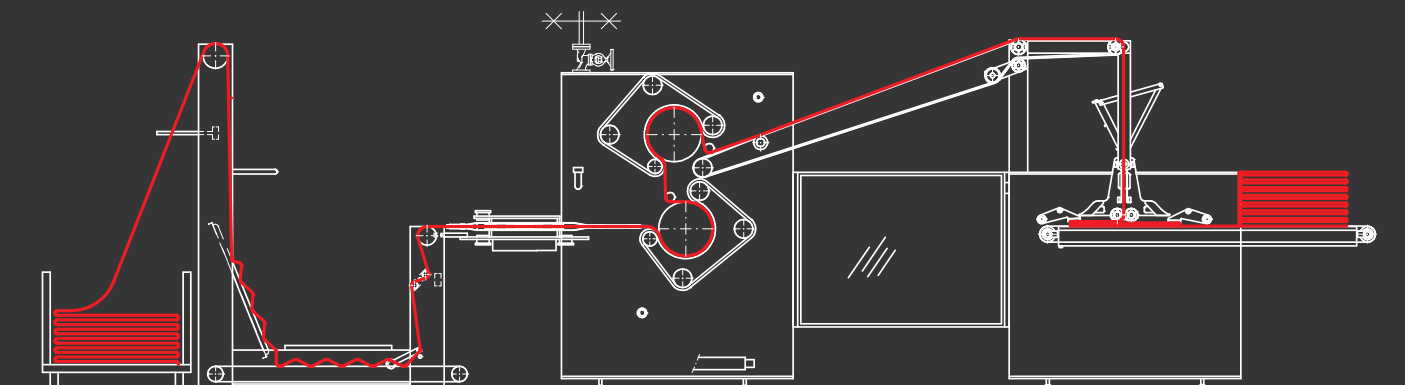
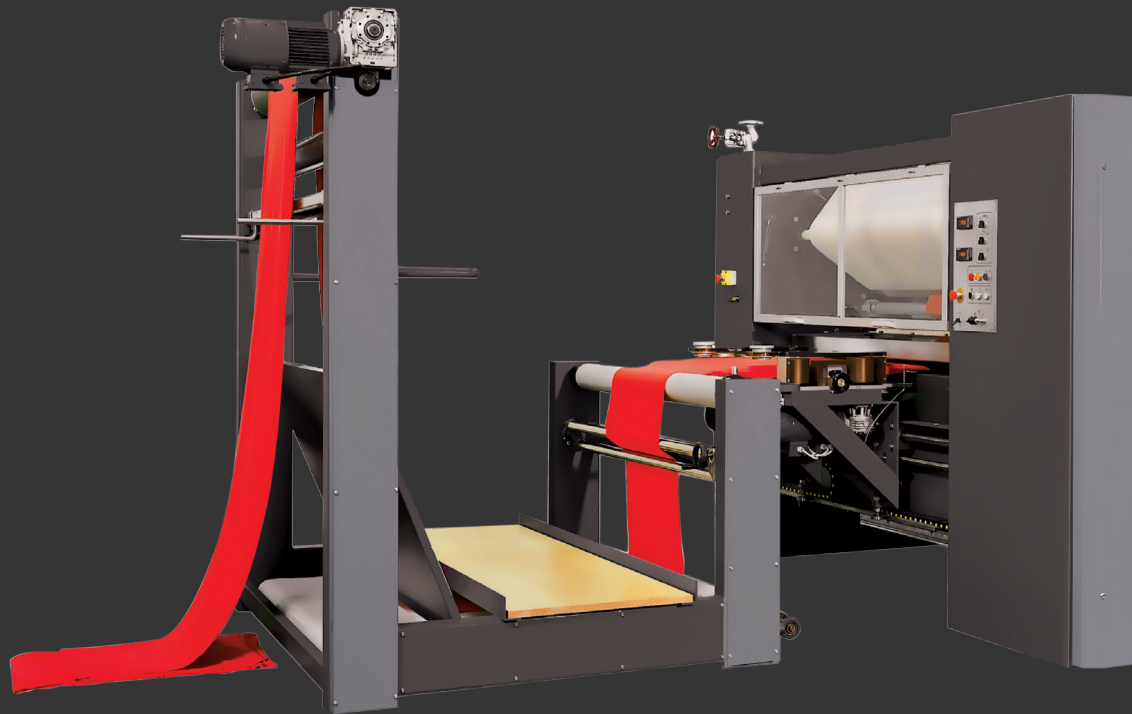
Steaming and compacting machine for tubular knitted fabrics

Finishing of tubular knitted fabrics on the SANTASPREAD is the ideal solution to ensure the best dimensional stability value coming from the shrinking drying process.

A specifically designed feeding unit featuring a j-scray and conveyor belt tensionlessly guides the fabric to the compacting unit.

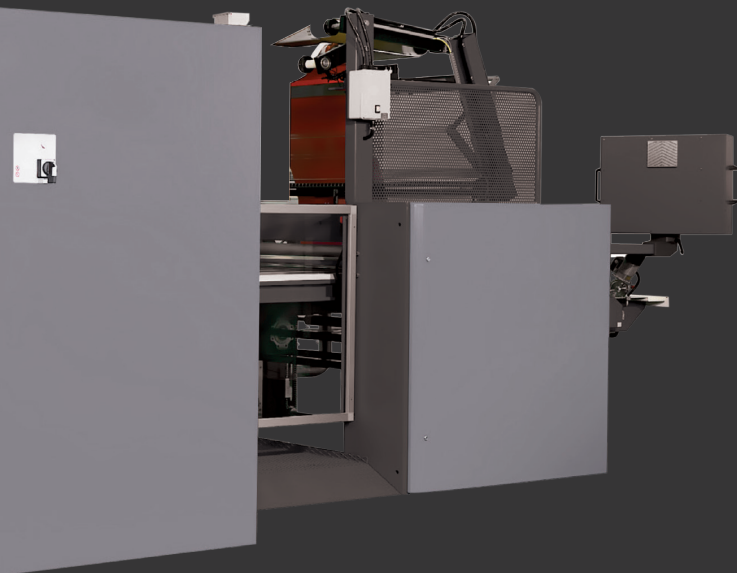
Advantages

- Excellent residual shrinkage values
- Increased compacting due to specially developed flexible multilayer felt belts
- Tubular contactless fabric feeding by means of our fully magnetic tubular spreader ALBATROS



TECHNICAL DATA

Working width	1600 mm
Total width	+ 1.4 m
Machine speed	5 – 50 m/min
Drive system	Electronically adjustable by load cells
Power supply	approx 22 kw
Length	6.8 m



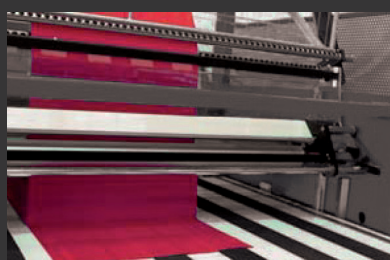
The fabric is led horizontally to the full magnetic spreader ALBATROS which then takes the fabric through the steaming box onto the felt belts of the compacting and calendering units.

In order to treat both sides of the tubular fabric, two compacting and calendering units are connected in series. At the exit, the machine in standard execution is equipped with a precision plaiter and a table fabric platform.

As an alternative special execution, instead of the plaiting device, the machine could also be equipped with a fabric rolling system. When an individual roll is completed, it is automatically moved away from the plaiting platform.



ALBATROS magnetic spreader



Precision plaiter with table



Winder extension

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