

SANTASHRINK PROGRESS

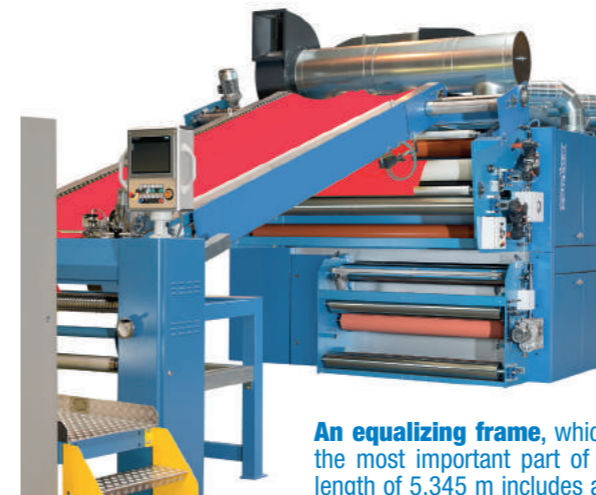
Integrated treatment system for the shrinkage, relaxation and tensionless drying of open-width and tubular knitted fabrics.

SANTASHRINK Progress is the most sought-after dryer in the market. »An equalizing frame, featuring a specially designed stainless steel needle chain, is the most important part of the extended inlet. It includes a horizontal swivelling section, which permits gentle opening and overstretching of the fabric.

The length of the dryer or number of chambers is chosen according to the required drying capacity. »The fabric is ideally guided through the dryer in wave form between two driven conveyor belts. The nozzle alignment causes the fabric to move for fast and intensive drying, including a tumbling effect.» The moisture control in the chambers is optimised to save energy. A steaming and vibration chamber enhances the bulkiness and supports the shrinkage process. »The exit unit is composed of an inclined wooden lathed belt for cooling the fabrics down before plaiting.

Every chamber is equipped with manual lint filters, which can easily be cleaned during operation. Optionally, an automatic lint filter system can be built in instead, which is recommended to achieve better drying efficiency. »The process control is easily monitored via SANTAVISION; SANTASHRINK Progress is equipped with a touch screen panel.

The technically and economically future-oriented design of SANTASHRINK Progress results in a number of application advantages during operation, which are demonstrated by the excellent textile results.



An equalizing frame, which features a needle chain, is the most important part of the extended inlet. The total length of 5.345 m includes a horizontal swivelling section of 4.5 m, which permits gentle opening and overstretching of the fabric.

Drying chamber with air nozzles in the upper part and a heat exchange system in the lower part.



Advantages of SANTASHRINK Progress

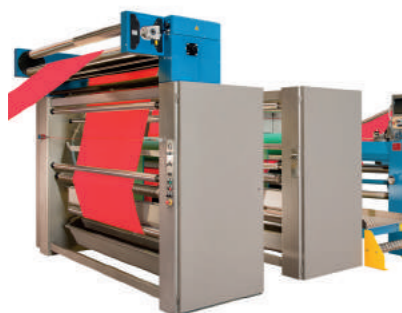
- High water evaporation rate
- High productivity
- Very economical energy consumption
- Extremely uniform temperature distribution in the drying zone
- Highly effective thermal insulation
- Finely adjustable drive system for individual operating ranges, independently controlled
- Distance between upper and lower nozzles adjustable
- Intensive steam and vibration field to achieve a particularly advantageous residual shrinkage and fabric volume
- Excellent residual shrinkage values
- Bulky and soft fabric
- Tensionless drying process controlled by load cell technology
- Very low maintenance processes
- Control of residual moisture in the fabric by IR-camera (open width or tubular)
- Easy addition of chambers and other components, such as a pin frame and padders even at a later stage
- Energy Saving Chamber ESC can be incorporated into a new or existing Santashrink



SANTASHRINK Progress 5 chambers + 1 ESC

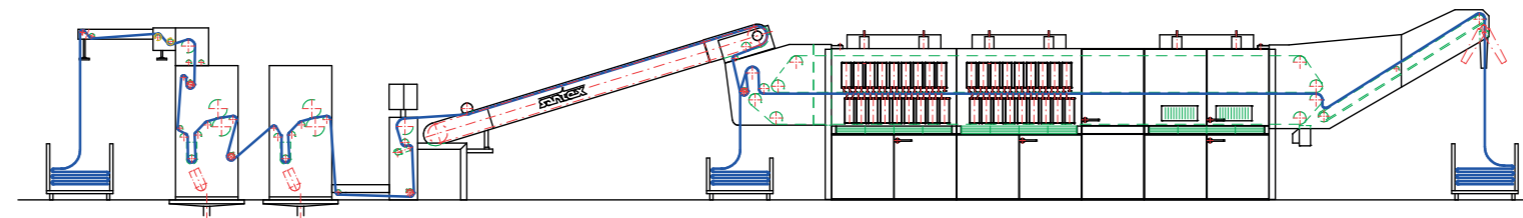


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Double padder

The inlet can be very simply designed with a centering device and a feeding support. In general however, a dewatering-padder is provided and in most cases, also an impregnating padder.



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TECHNICAL DATA

Working width	60 -240 cm in steps of 20 cm, others on request
Total width	Working width plus 200 cm
Length of drying chamber:	2 m
Total machine length:	Number of chambers plus approx. 5.5 m incl. the vibration section
Evaporation capacity:	200 kg per drying chamber
Fabric overfeed:	0-50 % infinitely variable
Fabric guidance:	One or more parallel strands according to requirements
Heating system:	Steam, natural or liquid gas or thermal oil