ROLLSET

Vertical thermosetting of synthetic (with or without Lycra) tubular knitted fabrics

PRINCIPLE

Knitted fabrics made of synthetic fibres, Polyester, Polyamid, Acrylic, Chlorofibres, Lycra, etc.... pure or blended with natural fibres, should be thermoset.

Thermosetting is necessary to guarantee the dimensional stability and to develop the handle and the touch of the different articles.

During the treatment on ROLLSET the knitted fabric is hold by a motorized pneumatic stretcher. A feeder box device with variable speed allows to adjust for each article the overfeeding or the stretching.

A feeding device with constant tightening coupled with a J-BOX of automatic loading guarantees a strict control of the physical parameters of fabric at the inlet.

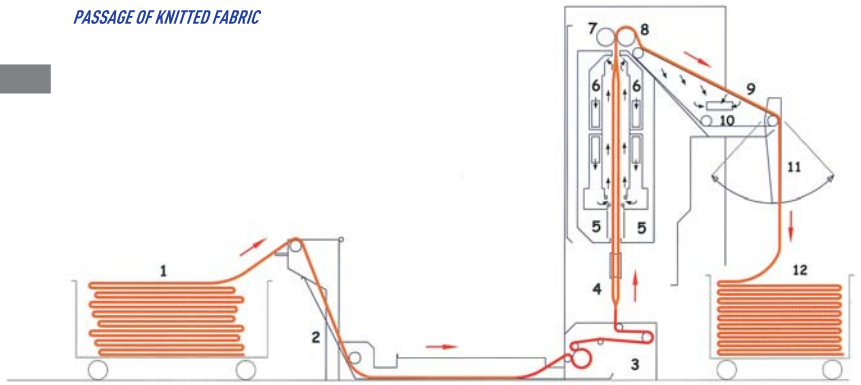
The temperature of the treatment chamber (electronically regulated) can reach 250 °C (480 °F) and a steam injection completes the treatment.

Before the traverse folding device, a fast cooling causes a thermic clash on the fabric to finish perfectly the thermosetting.

Description

1	Fabric to be treated	7	Movable cylinder
2	"J" of feeding	8	Fixed cylinder
3	Fabric tightening control	9	Convoyer Belt
4	Stretcher	10	Suction
5	Treatment chamber	11	Folding device by swinging
6	Suction	12	Folded fabric

PASSAGE OF KNITTED FABRIC



Technical Data

Working width : 1500 mm
Speed : 0 to 25 m/mn
Heating device : electric or gas
Temperature : 0 to 250 °C
Length : 2,57 m
Width : 4,07 m
Height : 3,00 m (electric) or 4,00 m (gas)
Weight : 2000 kg

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