

t h e r m a

**Termofissatore  
per maglia tubolare**  
*Heat-setting machine  
for tubular  
knitted fabrics*

SperottoRimar



## Heat-setting machine for tubular knitted fabrics Therma T2000

The heat-setting process of tubular knitted fabrics containing thermoplastic fibres has always been an essential requirement in order to eliminate problems and unnecessary passages in the dyeing and finishing process. So far, the heat-setting process has never been possible, due to the lack of adequate or of entirely satisfactory technologies. The pursued aim is the realisation of an effective treatment which gives the right dimensional stability to the tubular fabric avoiding the alteration of the qualitative aspects, avoiding tensions, creases, distortions and permanent marks.

*THERMA, the new and revolutionary machine for the heat-setting process of tubular knitted fabrics, is the suitable productive and technological answer to the present requirements ensuring high quality performances thanks to:*

**RELAXING AND SHRINKING OF THE FABRIC.** The steaming system on a transportation belt allows the relaxation of the knitted fabric tensions letting the fabric shrink easily.

**FABRIC WIDTH AND WEIGHT CONTROL** thanks to the special patented stretchers ALBATROSS with over-feeding system, which are installed both at the inlet and at the outlet of the machine.

**TENSIONLESS FABRIC TRANSPORTATION** thanks to the control by means of electronic loading cells and air suction through the rotating drum.

**CIRCULATION OF HOT AIR THROUGH THE KNITTED FABRIC.** The principle of hot air circulation treatment through the drum and therefore through the fabric ensures an absolute uniformity.

### TECHNICAL CHARACTERISTICS

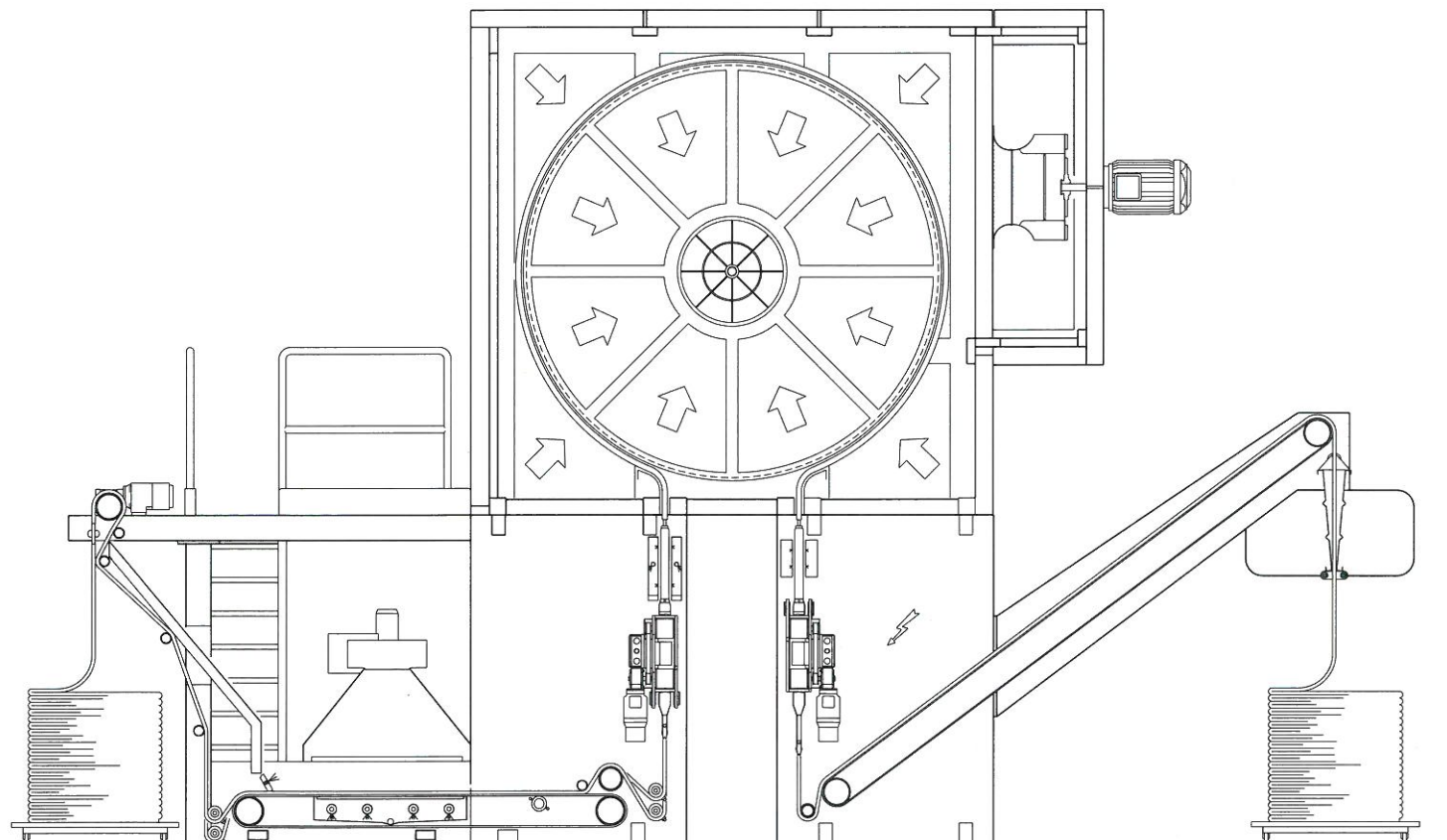
		THERMA
Roller width	mm	2000
Working width (1 strand)	mm	270 - 1300
Working width (2 strands)	mm	270 - 650
Mechanical speed	m/min	4 - 40
Main cylinder diameter	mm	2500
Connected load	kW	36
Absorbed load	kW	27
Gas burner thermal power up to	Kcal/h	300.000
Average steam consumption at 5-6 bar	kg/h	200
Average noise level	Db(A)	<85

*Characteristics and consumption data are not binding.*

**ABSENCE OF CREASE MARKS ON BOTH SIDES** thanks to the use of a special fabric guiding system which avoids the fabric squeezing.

**HIGH PRODUCTIVITY** due to the possibility of fabric treatment with two simultaneous strands. The process is controlled by a last generation PLC and by inverter drive. The high technology employed in the design of the machine and the use of the best components available ensure great reliability, flexibility and simple use and maintenance.

By introducing this machine, SPEROTTO RIMAR is able to offer a complete range of products focused to the treatment of knitted goods containing thermoplastic fibres, which includes also the continuous solvent scouring range mod. NOVA for the elimination of spinning and knitting oils, avoiding at the same time any risks of environmental pollution.













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