

MODEL 900-E



Compacting and finishing calender for tubular knitted fabric in ALL FIBERS (naturals, synthetic, elastic and mixed). It can also heatset the 100% synthetic fabric (polyester, etc.)

1. Characteristics of heated cylinders:

- 1.1. Diameter : 350 mm (13,78”).
- 1.2. Width : 1.750 mm (68,90”).
- 1.3. Working width : 1.450 mm (57,09”).
- 1.4. Both cylinders are chrome plated and with a mirror effect finishing

2. Heating system and temperature control:

- 2.1. The cylinder is heated by one resistor (heating element), in a vacuum sealed diathermic oil bath, in complete absence of air and pressure. MONTI ANTONIO S.p.a system.
- 2.2. The temperature of the cylinder is set by a touch screen and is regulated by an electronic card. The temperature control is equipped with an alarm system and a limitation system of maximum temperature (230 °C).

3. Tension controls:

- 3.1. Motorized feeding system
- 3.2. Mechanic brake (adjustable)
- 3.3. Expander with overfeeding belts, motorized and independent feeding wheel
- 3.4. Motorized introduction roll
- 3.5. Roll synchronization and/or machine speed variation with fabric tension control by power transducers with electronic proportional and continuous adjustment (load cell)

4. Other devices and characteristics:

- 4.1. Feeding system composed by:
 - Pre-opening rings
 - Motorized roll for textile feeding with photoelectric control cell.
 - Operator platform
- 4.2. Automatic/motorized expander
- 4.3. Set of rings for stripes alignment (**OPTION**).
- 4.4. Vertical steaming chamber, made in stainless steel and electrically heated
- 4.5. NOMEX felt resistant at high temperature
- 4.6. Automatic system for tension control and felt-centering device
- 4.7. Incorporated system for felt protection in case of black out and/or compressed air lack
- 4.8. Teflon compactor for high temperature (or rulon/vaflon up to 160 °C – **OPTION**) with felt contact and deepness automatically adjustment
- 4.9. Stainless steel table for fabric cooling AISI 304, complete with high quality aspiration drying fan
- 4.10. Additional fan for textile decatizing in exit

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- 4.11. Textile exit with polyester conveyor-belt
- 4.12. Independent motors with an electronic synchronization system
- 4.13. Motorization in three asynchronous phases in 4 engine pole in agreement with CE rules (IECCENELEC) all complete with forced servomotor.
- 4.14. Functional motors control to work with variable speed without fabric tension, thanks to the high quality convector with vectorial frequency.
- 4.15. Machine general management, including temperature controls, controlled by a programmable PLC for the production data memorization
- 4.16. Front and back touch-screen keyboard for production data access and programming
- 4.17. Textile winder on machine **(OPTION)**
- 4.18. Precision folder and antistatic bar inside the machine, complete with PVC conveyor belt for non stop working **(OPTION)**
- 4.19. External precision folder **(OPTION)**
- 4.20. Trolley pleater **(OPTION)**
- 4.21. Cooling unit (air conditioning) for electronic/electric pannel **(OPTION)**

5. Technical data:

- 5.1. Installed power: 54,5 kw
- 5.2. Average electric consumption: 36 kw/h
- 5.3. Average steam consumption of steaming chamber: 50-60 kg/h
- 5.4. Compressed air: 6-8 bar
- 5.5. Mechanic speed: 3-35 m/min
- 5.6. Overall dimensions (with feeder): width 3.200 mm (126"). length 4.375 mm (172,2"). height 2.355 mm (93").
- 5.7. Net weight: 5.400 kg
- 5.8. Machine produced according to CE rules
- 5.9. Customs tariff: 84 51 30 30

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