

MODEL 907 E



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

1. Characteristics of heated cylinders:

- 1.1. Diameter : 350 mm (13,78")
- 1.2. Width : 2.600 mm (102,36").
- 1.3. Working width : 2.400 mm (94,49").
- 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. Motorized introduction roll
- 3.4. 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 for rolled textile or folded textile with
 - Fabric brake with two aluminium tension bars
 - Expanding and centering device Erhard & Leimer, with:
 - A couple of stainless steel expanders and drive wheel for manual setting (included a forced revolution motor)
 - Big rubber cylinder "DOGAL" (slat roll)
 - Independent motorization
 - Motorization controlled by inverter
 - Automatic tension adjustment by mean load cell system
 - Photoelectric head on the total textile working width
- 4.2. Operator platform
- 4.3. Vertical steaming chamber, made in stainless steel and electrical heated
- 4.4. NOMEX felt resistant at high temperature
- 4.5. Automatic system for tension control and felt-centring device
- 4.6. Incorporated system for felt protection in case of black out and/or compressed air lack

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- 4.7. Teflon compactor for high temperature (or rulon/vaflon up to 160 °C – **OPTION**) with felt contact and deepness automatically adjustment
- 4.8. Stainless steel table for fabric cooling AISI 304, complete with high quality aspiration drying fan
- 4.9. Additional fan for textile decatizing in exit
- 4.10. Textile exit with polyester conveyor-belt
- 4.11. Independent motors with an electronic synchronization system
- 4.12. Motorization in three asynchronous phases in 4 engine pole in agreement with CE rules (IECCENELEC) all complete with forced servomotor.
- 4.13. Functional motors control to work with variable speed without tension control, thanks to the high quality convector with vector frequency.
- 4.14. Machine general management, including temperature controls, controlled by a programmable PLC for the production data memorization
- 4.15. Front and back touch-screen keyboard for production data access and programming
- 4.16. Textile winder on machine (**OPTION**)
- 4.17. Non stop winder in exit, complete with j-box for accumulation (**OPTION**)
- 4.18. Trolley pleater (**OPTION**)
- 4.19. Cooling unit (air conditioning) for electronic/electric panel (**OPTION**)

5. Technical data:

- 5.1. Installed power: 64 kw
- 5.2. Average electric consumption: 42 kw/h
- 5.3. Average steam consumption of steaming chamber: 50-70 kg/h
- 5.4. Compressed air: 6-8 bar
- 5.5. Mechanic speed: 35 m/min
- 5.6. Overall dimensions: width 3.900 mm (153,54"). length 5.790 mm (227,25"). height 2.370 mm (93,31").
- 5.7. Net weight: 6.500 kg
- 5.8. Machine produced according to CE rules
- 5.9. Customs tariff: 84 51 30 30

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INNOVATION
SPEED
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Monti Antonio S.p.A.
Head Office: via dell'Electronica n°5, 36016 Thiene (VI) Italy
Operation and Administration: viale della Fisica n°6, 36016 Thiene (VI) Italy
T. +39 0445 364619 – F. +39 0445 364033
sales@montiantonio.com – www.montiantonio.com