

## MODEL T10B-2000

Special calender for pieces or continuous fabrics, used for:

- Transfer printing
- Reactivation of direct inks
- Thermosetting

Versatile and polyvalent calender, developed for transfer printing of all the follows work conditions, according to required options:

- Printing paper in roll and material to be printed in roll.
- Printing paper in roll and material to be printed in pieces.
- Printing paper in sheets and material to be printed in pieces.

### 1. Characteristics of heating cylinder:

- 1.1. Diameter: 1.000 mm (39,37")
- 1.2. Width: 2.000 mm (78,74").
- 1.3. Working Width: 1.800 mm (70,87").

### 2. Heating system and temperature control:

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

### 3. Tension controls:

- 3.1. Tension control for printing material in roll:
  - Entry: axial unwinding with disk brake with pneumatic adjustment + fabric manual brake.
  - Exit: double roll tangential winding, possibility of soft or hard winding by transmission management, controlled by potentiometer.
- 3.2. Tension control for printing paper in roll:
  - Entry: axial unwinding with disk brake with pneumatic adjustment.
  - Exit: motorized independent axial winding with control by touch screen.
- 3.3. Tension control for protection paper:
  - Entry: axial unwinding with disk brake with pneumatic adjustment.
  - Exit: motorized independent axial winding with control by touch screen.

### 4. Other devices into machine:

- 4.1. Short front working table, 1500 mm (59,05").
- 4.2. Conveyor belt for automatic discharge on the back of the machine.
- 4.3. Independent motors with an electronic synchronization system.
- 4.4. NOMEX felt with pneumatic tension adjustment system and felt-centring device by electro-mechanic sensor.
- 4.5. Meter-counter, with alarm to predetermine the length of production runs.
- 4.6. Incorporated system of felt protection in case of black out and/or compressed air lack.
- 4.7. General management of the machine, including temperature control by adjustable PLC for the memorization of production data.
- 4.8. Front touch-screen keyboard for production data access and programming.
- 4.9. Static mechanic paper separator.
- 4.10. Fumes aspiration system incorporated in the mouth in exit.

All data and technical features are purely indicative, subjected to changes without prior notice and refer to standard machines without options

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### 5. Rolls diameter machine without options:

- Fabric roll diameter in entry 400 mm (15,75").
- Fabric roll diameter in exit 400 mm (15,75").
- Printing paper roll diameter in entry 300 mm (11,81") - Larger diameters on request.
- Printing paper roll diameter in exit 300 mm (11,81") - Larger diameters on request.
- Protection paper roll diameter in entry 500 mm (19,68").
- Protection paper roll diameter in exit 500 mm (19,68").

### 6. Technical data:

- 6.1. Installed power: 75,23 kW.
- 6.2. Average electric consumption: 51,3 kWh.
- 6.3. Power in ECONOMY MODE: 29,63 kW.
- 6.3. Compressed air pressure: 6-8 bar.
- 6.4. Mechanic speed: 1 ÷ 15 m/min.
- 6.5. Overall dimensions: width 3.630 mm (142,91"). length 5.370 mm (211,42"). 2.500 mm (98,43").
- 6.6. Net weight: *to be confirmed*.
- 6.7. Machine produced according to CE rules.
- 6.8. Customs tariff: 84 51 80 30.

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