

MODEL T03B-2000

Special calender for pieces or continuous fabrics, used for:

- Transfer printing
- Direct inks reactivation
- Thermosetting - heatsetting

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: 350 mm (13,78").
- 1.2. Width: 2.000 mm (78,70").
- 1.3. Working Width: 1.800 mm (70,87").

2. HEATING SYSTEM AND TEMPERATURE CONTROL:

- 2.1. The cylinder is heated by one resistor (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 set by the touch screen and regulated by an electronic sheet. The temperature control is equipped with an 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 and fabric brake
 - Exit: winding per contact with conveyor-belt in exit
- 3.2. Tension control for printing paper in roll:
 - Entry: axial unwinding with disk brake with pneumatic adjustment
 - Exit: independent motorized axial winding controlled by touch-screen
- 3.3. Tension control for protection paper:
 - Entry: axial unwinding with disk brake with pneumatic adjustment
 - Exit: independent motorized axial winding controlled by touch-screen

4. OTHER DEVICES INTO MACHINE:

- 4.1. Short front working table, 800 mm
- 4.2. Conveyor-belt for automatic unloading on the back of the machine
- 4.3. Independent motors with an electronic synchronization system
- 4.4. NOMEX felt with tension adjustment system and automatic felt-centering device
- 4.5. Incorporated system of felt protection in case of black out and/or compressed air lack
- 4.6. Meter-counter, with alarm to predetermine the length of production runs
- 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

5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:

- Fabric roll diameter in entry 250 mm (9,84").
- Fabric roll diameter in exit 250 mm (9,84").

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- Printing paper roll diameter in entry 250 mm (9,84") - Larger diameters on request.
- Printing paper roll diameter in exit 250 mm (9,84") - Larger diameters on request.
- Protection paper roll diameter in entry 250 mm (9,84").
- Protection paper roll diameter in exit 250 mm (9,84").

6. TECHNICAL DATA:

6.1. Installed power: 20,77 kW

6.2. Average electric consumption: 14,47 kW/h

6.3. Compressed air pressure: 4-8 bar

6.4. Mechanic speed: 0.3 - 4 m/min

6.5. Overall dimensions (with front table): width 3.410 mm (134,25"). length 2.440 mm (96,10"). height 1.625 mm (63,98").

6.6. Net weight: 2.350 kg

6.7. Machine produced according to CE rules

6.8. Customs tariff: 84 51 80 30

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