

MODEL T05B-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 PRINTING CYLINDER:

- 1.1. Diameter : 500 mm (19,69").
- 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 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 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: disk brake with pneumatic adjustment + fabric manual brake
 - Exit: winding per contact with conveyor-belt in exit
- 3.2. Tension control for printing paper in roll:
 - Entry: disk brake with pneumatic adjustment
 - Exit: special motor with automatic constant tension, adjustable by potentiometer
- 3.3. Tension control for protection paper:
 - Entry: disk brake with pneumatic adjustment
 - Exit: special motor with automatic constant tension, adjustable by potentiometer

4. OTHER DEVICES INTO MACHINE:

- 4.1. Short front working table, 1200 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 several access to many work programs.

5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:

- Fabric roll diameter in entry 300 mm (12").
- Fabric roll diameter in exit 300 mm (12").

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- Printing paper roll diameter in entry 300 mm (12") - Larger diameters on request.
- Printing paper roll diameter in exit 250 mm (10") - Larger diameters on request.
- Protection paper roll diameter in entry 400 mm (16").
- Protection paper roll diameter in exit 400 mm (16").

6. TECHNICAL DATA:

6.1. Installed power: 29 kW

6.2. Average electric consumption: 19 kW/h

6.3. Compressed air pressure: 6-8 bar

6.4. Mechanic speed: 0.5 – 7,5 m/min

6.5. Overall dimensions (with front table): width 3.390 mm (133,5"), length 3.320 mm (131"), 1.620 mm (64").

6.6. Net weight (with standard front table mm. 1.200): 2.900 kg

6.7. Machine produced according to CE rules

6.8. Customs tariff: 84 51 80 30

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