

## MODEL T05-2000

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 roll in exit
- 3.2. Tension control for printing paper in roll:
  - Entry: disk brake with pneumatic adjustment
  - Exit: winding on aluminum shaft dragged by the main engine and equipped of pneumatic clutch
- 3.3. Tension control for protection paper:
  - Entry: disk brake with pneumatic adjustment
  - Exit: winding on aluminum shaft dragged by the main engine and equipped of pneumatic clutch

4. OTHER DEVICES INTO MACHINE:

- 4.1. Autonomous (independent) motors with an electronic synchronization system.
- 4.2. NOMEX felt with tension adjustment system and automatic felt-centring device
- 4.3. Incorporated system of felt protection in case of black out and/or compressed air lack
- 4.4. Meter-counter, with alarm to predetermine the length of production runs
- 4.5. General management of the machine, including temperature control by adjustable PLC for the memorization of production data
- 4.6. Front touch-screen keyboard for several access to many work programs.
- 4.7. Short front working table, 1200 mm

5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:

- Fabric roll diameter in entry 300 mm (11,81").
- Fabric roll diameter in exit 300 mm (11,81").
- Printing paper roll diameter in entry 300 mm (11,81") - Larger diameters on request.

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

### 6. TECHNICAL DATA:

- 6.1. Installed power: 25 kW
- 6.2. Average electric consumption: 17 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 3.400 mm (133,86"). length 3.250 mm (138,58"). height 1.820 mm (71,65").
- 6.6. Net weight (with standard front table): 3.050 Kg
- 6.7. Machine produced according to CE rules
- 6.8. Customs tariff: 84 51 80 30



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