

## MODEL 97



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 : 1.000 mm (39,37").

1.2. Width : 2.200 mm (86,61")

1.3. Working Width: 1.800 mm (70,87") / 2.000 mm (78,74").

### 2. Heating system and temperature control:

2.1. The cylinder is heated by three 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 set by touch screen and regulated by an electronic card. 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
- Exit: independent motor, adjustable by potentiometer

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. Long front working table complete with: - lateral placement laser

4.2. glass plane with placement light

4.3. Conveyor-belt for automatic unloading on the back of the machine

4.4. Pre-feeder for printing paper, protection paper and textile

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- 4.5. Independent motors with a electronic synchronization system
- 4.6. NOMEX felt with tension adjustment system and automatic felt-centering device
- 4.7. Incorporated system of felt protection in case of black out and/or compressed air lack
- 4.8. Front touch-screen keyboard for production data access and programming

### 5. Technical data

- 5.1. Installed power: 74 kw/h
- 5.2. Average electric consumption: 48 kw/h
- 5.3. Compressed air pressure: 6-8 bar
- 5.4. Mechanic speed: 1 - 15 m/min
- 5.5. Overall dimensions (with pre-feeder): width 3.550 mm (139,76"). length 6.300 mm (248,03"). height 2.500 mm (98,43").
- 5.6. Net weight: 7.525 kg
- 5.7. Machine produced according to EC rules
- 5.8. Customs tariff: 84 51 80 30

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