

## MODEL C10-4400

Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting
- Heatsetting of “crush” effect

### 1. CHARACTERISTICS OF HEATING CYLINDER:

- 1.1. Diameter : 1000 mm (39,37”).
- 1.2. Width : 4.400 mm (173,23”).
- 1.3. Working Width: 4.200 mm (165,35”).

### 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 up by the touch screen and regulated by an electronic card. 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:
  - Entry: axial unwinding with disk brake with pneumatic adjustment and fabric manual brake.
  - Exit: double roll tangential winding, with possibility of soft or hard winding by transmission management, control by potentiometer.
- 3.2. Tension control for printing paper:
  - Entry: axial unwinding with disk brake with pneumatic adjustment.
  - Exit: axial winding with independent motor, adjustable by touch-screen.
- 3.3. Tension control for protection paper:
  - Entry: axial unwinding with disk brake with pneumatic adjustment.
  - Exit: axial winding with independent motor, adjustable by potentiometer.

### 4. OTHER DEVICES INTO MACHINE:

- 4.1. Independent motors with an electronic synchronization system.
- 4.2. NOMEX felt with pneumatic tension adjustment system and felt-centring device by means of motorized electric linear actuator.
- 4.3. Incorporated system for felt protection in case of black out and/or compressed air lack.
- 4.4. Multifunctional electronic meter-counter, with alarm to predetermine the length of production runs.
- 4.5. Temperature cooling system for printed fabric exit, complete with fan.
- 4.6. General management of the machine, including temperature control by adjustable PLC for the memorization of production data.
- 4.7. Front touch-screen keyboard for production data access and programming.
- 4.8. Pneumatic movable paper separator.

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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 400 mm (15,75").

Protection paper roll diameter in exit 400 mm (15,75").

### 6. TECHNICAL DATA:

6.1. Installed power: 145,43 kW

6.2. Average electric consumption: 97,20 kWh

6.3. Power in ECONOMY MODE: 98,93 kW

6.4. Compressed air pressure: 6-8 bar

6.5. Mechanic speed: 1 ÷ 20 m/min

6.6. Overall dimensions: width 6.150 mm (242,13"). length 3.300 mm (129,92"). height 2.400 mm (94,49").

6.7. Net weight: 13.000 kg

6.8. Machine produced according to CE rules

6.9. Customs tariff: 84 51 80 30

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