

## MODEL C05-4400

Calender adapt for continuous fabrics:

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

### 1. CHARACTERISTICS OF HEATING CYLINDER:

- 1.1. Diameter : 500 mm (19,70”).
- 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 2 resistors (heating element) per each side 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 card. The temperature controls equipped with temperature 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 touch-screen.

### 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: 62 kW
- 6.2. Average electric consumption: 42,4 kW/h
- 6.3. Power in ECONOMY MODE: 34 kW
- 6.4. Compressed air pressure: 6-8 bar
- 6.5. Mechanic speed: 0.5 ÷ 7.5 m/min
- 6.6. Overall dimensions: width 6.040 mm (237,8"). length 3.080 mm (121,26"). height 2.550 mm (100,39").
- 6.7. Net weight: 8.000 kg
- 6.8. Machine produced according to CE rules
- 6.9. Customs tariff: 84 51 80 30

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