

MODEL L10-2000

Polyvalent calender used for continuous production:

- Transfer printing
- Direct inks reactivation
- Thermosetting - heatsetting
- Film/web thermobonding
- Plastification and coating with film
- Transfer printing of polyurethane, PVC and synthetic leather
- Metallization and gold lamination
- Transfer of special effects (es.: snake skin)
- Embossing using release paper
- Heatsetting of "crush" effect
- Application of "black out" films and barriers

1. CHARACTERISTICS OF HEATING CYLINDER:

- 1.1. Diameter: 1.000 mm (39,37")
- 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 three resistors (heating element) in a vacuum sealed diathermic 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 is regulated through 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 OF THE 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

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- 4.8. Pressing roll Ø 260 mm in silicone rubber for high temperatures, controlled by touch-screen and pneumatically regulated
- 4.9. Pressing zone protection by intangible barriers
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: 74,15 kW
 - 6.2. Average electrical consumption: 50,2 kW/h
 - 6.3. Power in ECONOMY MODE: 51,35 kW
 - 6.4. Compressed air pressure: 6-8 bar
 - 6.5. Mechanic speed: 1 – 20 m/min
 - 6.6. Overall dimensions (with platform): width 3.560 mm (140,16"). length 3.620 mm (142,52"). height 2.380mm (93.70").
 - 6.7. Net weight: 6.500 kg
 - 6.8. Machine produced according to CE rules
 - 6.9. Customs tariff: 84 51 80 80

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