

MODEL L05-3600

Polyvalent calender used for:

- 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 : 500 mm (19,68").
- 1.2. Width : 3.600 mm (141,73").
- 1.3. Working width: 3.400 mm (133,86").

2. HEATING SYSTEM AND TEMPERATURE CONTROL:

- 2.1. The cylinder is heated by 2 resistors (heating element) per each side, 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 by mean 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 or bonding material:
 - Entry: axial unwinding with disk brake with pneumatic adjustment and fabric manual brake.
 - Exit: double roll tangential winding, possibility of hard or soft winding by management of transmission, adjustable by potentiometer.
- 3.2. Tension control for printing paper or fusing film:
 - Entry: axial unwinding with disk brake with pneumatic adjustment.
 - Exit: independent motorized axial winding with control by touch-screen, axial unwinding with disk brake pneumatically adjusted for a second material during the bonding phase.
- 3.3. Tension control for protection paper:
 - Entry: axial unwinding with disk brake with pneumatic adjustment.
 - Exit: independent motorized axial winding with control by potentiometer.

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4. OTHER DEVICES OF THE MACHINE:

- 4.1. Independent motors with electronic synchronization system.
- 4.2. NOMEX felt with pneumatic tension adjustment system and automatic felt-centring device by motorized actuator electronically controlled.
- 4.3. Incorporated system for 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. System of temperature reduction for the printing fabric in exit, equipped 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. Pressing roll Ø 320 mm in silicon rubber for high temperatures, controlled by touch-screen and pneumatically adjusted.
- 4.9. Protection of the pressing area by intangible barriers.
- 4.10. Safety sensor installed on the moving part of the pressing roll in order to stop intangible barriers only when the roll is in an open position.

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: 51,5 kW
- 6.2. Average electrical consumption: 35,54 kW/h
- 6.3. Power in ECONOMY MODE: 28,70 kW
- 6.3. Compressed air pressure: 6÷8 bar
- 6.4. Mechanic speed: 0.5 – 7.5 m/min
- 6.5. Overall dimensions (with platform): width 5.250 mm (206,69"). length 3.080 mm (121,26") height 2.380 mm (93,70").
- 6.6. Net weight: 7.450 kg
- 6.7. Machine produced according to CE rules
- 6.8. Customs tariff: 84 51 80 80

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