

MODEL L05SP-2000

Special calender with hydraulic pressure for the application of:

- Metallization foils
- Special effects, "paillettes", thermo transfer films (ex. Snake, lacquer, craked effect, pull-up, glossy effect)
- Foils pre – coated with glue
- Microdots foils (brinatura effect, total or parcial lamination)

onto knitted and woven fabrics as well as other substrates in continuous.

According to selected optional, the machine is also ideal for the following applications:

- Transfer printing
- Direct inks reactivation
- Thermosetting - heatsetting
- Film/web thermobonding
- Plastification and coating with film
- Transfer printing of polyurethane, PVC and synthetic leather
- Embossing using release paper
- Heatsetting of "crush" effect
- Application of "black out" films and barriers

1. CHARACTERISTICS OF PRINTING CYLINDER:

- 1.1. Diameter: 500 mm (19,69")
- 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 one resistor (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 touch-screen and regulated by mean an electronic thermostat and 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:
 - Lower entry: disk brake with pneumatic adjustment
 - Upper entry: motorization adjustable
 - Exit: independent motor with tension adjustable
- 3.2. Tension control for printing paper or fusing film:
 - Entry: disk brake with pneumatic adjustment.
 - Exit: independent motor with tension adjustable
- 3.3. Tension control for protection paper:
 - Entry: disk brake with pneumatic adjustment.
 - Exit: independent motor with tension adjustable

4. OTHER DEVICES OF THE MACHINE:

- 4.1. Silicone upper pressing cylinder. Adjustable hydraulic pressure.
- 4.2. Decimal calibration distance between pressing cylinder and heated cylinder.
- 4.3. Independent motors with electronic synchronization system
- 4.4. Meter-counter with alarm to predetermine the length of production runs
- 4.5. General management of the machine, including temperature control by adjustable PLC for the memorization of production data

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4.6. Front touch-screen keyboard for production data access and programming

5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:

- Fabric roll diameter in entry 400 mm (16").
- Fabric roll diameter in exit 500 mm (20").
- Printing paper roll diameter in entry 250 mm (10") - Larger diameters on request.
- Printing paper roll diameter in exit 300 mm (12") - Larger diameters on request.
- Protection paper roll diameter in entry 400 mm (16").
- Protection paper roll diameter in exit 400 mm (16").

6. TECHNICAL DATA:

- 6.1 Installed power: 37,5 kW
- 6.2 Average electrical consumption: 24,5 kW/h
- 6.3 Compressed air pressure: 6-8 bar
- 6.4 Mechanic speed: 0.5 – 7.5 m/min
- 6.5 Rubberized pressing roller, directly pressing on the chrome-plated heating cylinder. Maximum pressure 70 KG/cm (linear) at 140 bar
- 6.6 Overall dimensions (with platform): width 3.550 mm (139,70"). length 2.200 mm (86,60"). height 1.850mm (72,83").
- 6.7 Net weight: 5.100 kg
- 6.8 Machine produced according to CE rules
- 6.9. Customs tariff: 84 51 80 80

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