

MODEL N05P-750

Polyvalent calender for ribbons and continuous narrow fabric, 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

1. CHARACTERISTICS OF PRINTING CYLINDER:

- 1.1. Diameter: 500 mm (19,69”).
- 1.2. Width: 750 mm (29,53”).
- 1.3. Working width: 650 mm (25,59”).

2. HEATING SYSTEM AND TEMPERATURE CONTROL:

- 2.1. The cylinder is heated by a 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 by a touch screen and is regulated through an electronic card. The temperature control is equipped with temperature alarm system and a limitation system of maximum temperature (230 °C).

3. TENSION CONTROLS:

3.1. Tension control for material:

- Entry: little rolls with separators discs in PVC.
- Exit: n°6 rolls to place ribbons into appropriate boxes, single independent motorization.

3.2. Tension control for printing paper:

- Entry: little rolls with separators discs in PVC (option: axial unwinder for digital printing paper).
- Exit: special motorized roll with frictioned independent rings, pneumatically controlled.

3.3. Tension control for protection paper:

- Entry: axial unwinding with disk brake, pneumatically adjusted.
- Exit: axial winder with independent motor and adjusted by potentiometer.

4. OTHER DEVICES INTO MACHINE:

- 4.1. Independent motors with an electronic synchronization system.
- 4.2. NOMEX felt with pneumatique tension adjustment system and automatic felt-centering device.
- 4.3. Meter-counter, with alarm to predetermine the length of production runs.
- 4.4. Slamer roll in entry for ribbons coming from boxes.
- 4.5. Incorporated system of felt protection in case of black out and/or lack of compressed air.
- 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 in front of the machine for production various accesses and programming.
- 4.8. Pressing roll Ø 165 mm covered by silicon rubber for high temperatures, controlled by touch-screen, able to apply a pressure up to 9 Kg for linear centimetre at 6 bar.
- 4.9. Control of the pressing roll by manometer and pressure regulator to stop single-beam photocells only when the roll is in opening position.

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4.10. Safety system for the pressing roll by single-beam photocells both on the front and the rear side of the machine.

5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:

- Fabric roll diameter in entry 250 mm (9,84").
- Direct discharge.
- Printing paper roll diameter in entry 250 mm (9,84").
- Printing paper roll diameter in exit 250 mm (9,84").
- Protection paper roll diameter in entry 250 mm (9,84").
- Protection paper roll diameter in exit 250 mm (9,84").

6. TECHNICAL DATA:

6.1. Installed power: 14 kW.

6.2. Average electrical consumption: 9,8 kW/h.

6.3. Compressed air pressure: 6-8 bar.

6.4. Mechanic speed: 1 ÷ 15 m/min.

6.5. Overall dimensions: width 2.160 mm (85,04"), length 4.310 mm (169,70"), height 2.510 mm (98,82").

6.6. Net weight: 1.300 kg.

6.7. Machine produced according to CE rules.

6.8. Customs tariff: 84 51 80 30.

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