

MODEL 93 - 3000



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 PRINTING CYLINDER:

- 1.1. Diameter : 500 mm (19,69")
- 1.2. Width : 3.000 mm (118,11") .
- 1.3. Working width: 2.800 mm (110,24").

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 a touch screen and is regulated by 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: pneumatic brake and fabric manual brake
 - Exit: independent motor, adjustable by potentiometer
- 3.2. Tension control for printing paper or fusing film:
 - Entry: disk brake with pneumatic adjustment.
 - Exit: independent motor, adjustable by touch screen
- 3.3. Tension control for protection paper:
 - Entry: disk brake with pneumatic adjustment.
 - Exit: independent motor, adjustable by potentiometer

4. OTHER DEVICES OF THE MACHINE:

- 4.1. Silicone upper pressing cylinder. Adjustable pneumatic pressure and gauging bell distance between pressing cylinder and heated cylinder.
- 4.2. Independent motor with electronic synchronization system
- 4.3. NOMEX felt with pneumatic tension adjustment system and automatic felt-centering device
- 4.4. Incorporated system for felt protection in case of black out and/or compressed air lack
- 4.5. Meter-counter, with alarm to predetermine the length of production runs
- 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

5. TECHNICAL DATA:

All data and technical features are purely indicative and subjected to changes without prior notice

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- 5.1. Installed power: 41 kw
- 5.2. Average electrical consumption: 27 kw/h
- 5.3. Compressed air pressure: 6 -8 bar
- 5.4. Mechanic speed: 0.5 – 7.5 m/min
- 5.5. Overall dimensions (with platform): width 4.410mm(173,62"). length 3.150mm(124,02") height 2.280mm(86,76").
- 5.6. Net weight: 5.800 kg
- 5.7. Machine produced according to CE rules
- 5.8. Customs tariff: 84 51 80 30

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