



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: 2.600 mm (102,36") / 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.

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



MODEL 93 - 3000



- 4.2. Independent motors with electronic synchronization system
- 4.3. NOMEX felt with tension adjustment system and automatic felt-centering device
- 4.4. Worm screw for curled selvages opening
- 4.5. Incorporated system for felt protection in case of black out and/or compressed air lack
- 4.6. Multifunctional electronic meter-counter, with alarm to predetermine the length of production runs
- 4.7. Front touch-screen keyboard for production data access and programming

5. Technical data:

- 5.1. Installed power: 41 kw/h
- 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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