

## MODEL L08-4400

Polyvalent calender used for continuous production:

- 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: 800 mm (31,50")
- 1.2. Width: 4.400 mm (173,22").
- 1.3. Working width: 4.200 mm (165,35").

### 2. Heating system and temperature control:

- 2.1. The cylinder is heated by three resistors (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 through 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 material:

- Entry: axial unwinding with disk brake with pneumatic adjustment and fabric manual brake.
- Exit: double roll tangential winding, with possibility of soft or hard winding by transmission management, control by potentiometer.

3.2. Tension control for printing paper:

- Entry: axial unwinding with disk brake with pneumatic adjustment.
- Exit: axial winding with independent motor, adjustable by touch-screen; axial unwinding with disk brake pneumatically adjustable for second material in phase of bonding.

3.3. Tension control for protection paper:

- Entry: axial unwinding with disk brake with pneumatic adjustment.
- Exit: axial winding with independent motor, adjustable by potentiometer.

### 4. Other devices of the machine:

- 4.1. Independent motors with an electronic synchronization system.
- 4.2. NOMEX felt with pneumatic tension adjustment system and felt-centring device by means of motorized electric linear actuator.
- 4.3. Incorporated system for felt protection in case of black out and/or compressed air lack.
- 4.4. Multifunctional electronic meter-counter, with alarm to predetermine the length of production runs.
- 4.5. Temperature cooling system for printed fabric exit, complete 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.

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- 4.8. Pressing roll Ø 400 mm in silicone rubber for high temperatures, controlled by touch-screen and pneumatically regulated.
- 4.9. Pressing zone protection by intangible barriers.
- 4.10. Safety sensor positioned on the moving surface of the pressing roll to stop intangible barriers when the roll is open.

### 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: 121,88 kW.
- 6.2. Average electrical consumption: 81,98 kWh.
- 6.3. Power in ECONOMY MODE: 83,88 kW.
- 6.4. Compressed air pressure: 6-8 bar.
- 6.5. Mechanic speed: 1 ÷ 15 m/min.
- 6.6. Overall dimensions (with platform): width 5.400 mm (212,60"). length 3.120 mm (122,83"). height 2.450mm (96,45").
- 6.7. Net weight: *to be confirmed*.
- 6.8. Machine produced according to CE rules.
- 6.9. Customs tariff: 84 51 80 80.

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