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: 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 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.

All data and technical features are purely indicative, subjected to changes without prior notice and refer to standard machines without options

INNOVATION
SPEED
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STANDARD & CUSTOM HEATING SOLUTIONS

4.8. Pressing roll Ø 260 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: 55,75 kW

6.2. Average electrical consumption: 37,90 kWh

6.3. Power in ECONOMY MODE: 38,75 kW

6.4. Compressed air pressure: 6-8 bar

6.5. Mechanic speed: 1 ÷ 15 m/min

6.6. Overall dimensions (with platform): width 4.160 mm (163,80"). length 3.120 mm (122,83"). height 2.350mm (92,52").

6.7. Net weight: *to be confirmed*

6.8. Machine produced according to CE rules

6.9. Customs tariff: 84 51 80 80