

Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting - heatsetting

1. CHARACTERISTICS OF HEATING CYLINDER:

- 1.1. Diameter : 350 mm (13,78").
- 1.2. Width : 2.000 mm (78,74").
- 1.3. Working width: 1.850 mm (72,83").

2. HEATING SYSTEM AND TEMPERATURE CONTROL:

- 2.1. The cylinder is heated by one 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 touch screen and regulated by an electronic thermostat and equipped with temperature 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.

3.3. Tension control for protection paper:

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

4. OTHER DEVICES INTO 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 of felt protection in case of black out and/or compressed air lack.
- 4.4. Meter-counter, with alarm to predetermine the length of production runs.
- 4.5. General management of the machine, including temperature control by adjustable PLC for the memorization of production data.
- 4.6. Front touch-screen keyboard for production data access and programming.
- 4.7. Fixed paper separator.

5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:

- Fabric roll diameter in entry 250 mm (9,84").
- Fabric roll diameter in exit 250 mm (9,84").
- Printing paper roll diameter in entry 250 mm (9,84")- Larger diameters on request.
- Printing paper roll diameter in exit 250 mm (9,84")- Larger diameters on request.
- Protection paper roll diameter in entry 300 mm (11,81").
- Protection paper roll diameter in exit 300 mm (11,81").

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

MODEL C03-2000

6. TECHNICAL DATA:

- 6.1. Installed power: 21,3 kW
- 6.2. Average electrical consumption: 15 kWh
- 6.3. Compressed air pressure: 4-8 bar
- 6.4. Mechanic speed: 0.3 ÷ 4 m/min
- 6.5. Overall dimensions: width 3.400 mm (133,86") length 1.725 mm (67,91"). height 1.780 mm (70,10").
- 6.6. Net weight: 1.950 kg
- 6.7. Machine produced according to CE rules
- 6.8. Customs tariff: 84 51 80 30

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Calender adapt for continuous fabrics:

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1. CHARACTERISTICS OF HEATING CYLINDER:

- 1.1. Diameter : 350 mm (13,78").
- 1.2. Width : 2.600 mm (102,36").
- 1.3. Working width: 2.400 mm (94,49").

2. HEATING SYSTEM AND TEMPERATURE CONTROL:

- 2.1 The cylinder is heated by one 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 touch screen and regulated by an electronic thermostat and equipped with temperature 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.

3.3. Tension control for protection paper:

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

4. OTHER DEVICES INTO 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 of felt protection in case of black out and/or compressed air lack.
- 4.4. Meter-counter, with alarm to predetermine the length of production runs.
- 4.5. General management of the machine, including temperature control by adjustable PLC for the memorization of production data.
- 4.6. Front touch-screen keyboard for production data access and programming.
- 4.7. Fixed paper separator.

5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:

- Fabric roll diameter in entry 250 mm (9,84").
- Fabric roll diameter in exit 250 mm (9,84").
- Printing paper roll diameter in entry 250 mm (9,84") - Larger diameters on request.
- Printing paper roll diameter in exit 250 mm (9,84") - Larger diameters on request.
- Protection paper roll diameter in entry 300 mm (11,81").
- Protection paper roll diameter in exit 300 mm (11,81").

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MODEL C03-2600

6. TECHNICAL DATA:

- 6.1. Installed power: 26,24 kW.
- 6.2. Average electrical consumption: 18,26 kWh.
- 6.3. Compressed air pressure: 6-8 bar.
- 6.4. Mechanic speed: 0.3 ÷ 4 m/min.
- 6.5. Overall dimensions: width 4.000 mm (157,5"). length 1.725 mm (67,91"). height 1.780 mm (70,10").
- 6.6. Net weight: 2.350 kg
- 6.7. Machine produced according to CE rules
- 6.8. Customs tariff: 84 51 80 30

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Calender adapt for continuous fabrics:

- Transfer printing
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1. CHARACTERISTICS OF HEATING CYLINDER:

- 1.1. Diameter : 350 mm (13,78").
- 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 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 touch screen and regulated by an electronic thermostat and equipped with temperature 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.

3.3. Tension control for protection paper:

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

4. OTHER DEVICES INTO 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 of felt protection in case of black out and/or compressed air lack.
- 4.4. 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.
- 4.8. Pneumatic movable paper separator.

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").

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MODEL C03-3000

6. TECHNICAL DATA:

- 6.1. Installed power: 32,5 kW
- 6.2. Average electrical consumption: 22,7 kWh
- 6.3. Compressed air pressure: 6-8 bar
- 6.4. Mechanic speed: 0.3 ÷ 4 m/min
- 6.5. Overall dimensions: width 4.550 mm (179,13"). length 2.150 mm (84,64"). height 2.200 mm (86,61").
- 6.6. Net weight: 4.100 kg
- 6.7. Machine produced according to CE rules
- 6.8. Customs tariff: 84 51 80 30

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Calender adapt for continuous fabrics:

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- Thermosetting - heatsetting

1. CHARACTERISTICS OF HEATING CYLINDER:

- 1.1. Diameter : 350 mm (13,78").
- 1.2. Width : 3.600 mm (141,73").
- 1.3. Working width: 3.400 mm (133,86").

2. HEATING SYSTEM AND TEMPERATURE CONTROL:

- 2.1 The cylinder is heated by 2 resistors (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 touch screen and regulated by an electronic thermostat and equipped with temperature 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.

3.3. Tension control for protection paper:

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

4. OTHER DEVICES INTO 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 of felt protection in case of black out and/or compressed air lack.
- 4.4. Temperature reduction system for printed fabric in exit, complete with fan.
- 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.
- 4.8. Movable pneumatic paper separator.

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").

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MODEL C03-3600

6. TECHNICAL DATA:

- 6.1. Installed power: 40,4 kW
- 6.2. Average electrical consumption: 27,8 kWh
- 6.3. Power in ECONOMY MODE: 22,4 kW
- 6.4. Compressed air pressure: 6-8 bar
- 6.5. Mechanic speed: 0.3 ÷ 4 m/min
- 6.6. Overall dimensions: width 5.150 mm (202,76"). length 2.150 mm (84,64"). height 2.200 mm (86,61").
- 6.7. Net weight: 4.500 kg
- 6.8. Machine produced according to CE rules
- 6.9. Customs tariff: 84 51 80 30

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MODEL C03E-1800

Calender for:

- Transfer printing
 - Direct inks reactivation
 - Thermosetting
1. CHARACTERISTICS OF HEATING CYLINDER:
 - 1.1. Diameter : 350 mm (13,78").
 - 1.2. Width : 1.800 mm (70,86").
 - 1.3. Working Width: 1.650 mm (65").
 2. HEATING SYSTEM AND TEMPERATURE CONTROL:
 - 2.1. The cylinder is heated by one 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 regulated directly through an electronic sheet. 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 printing material:
 - Entry: disk brake with pneumatic adjustment and fabric manual brake
 - Exit: tangential rolling on the felt and roller driven by felt turn motion
 - 3.2. Tension control for printing paper:
 - Entry: disk brake with pneumatic adjustment
 - Exit: axial motorised winding with pneumatic device for motion transmission from the main motor
 - 3.3. Tension control for protection paper:
 - Entry: disk brake with pneumatic adjustment
 - Exit: axial motorised winding with pneumatic device for motion transmission from the main motor
 4. OTHER DEVICES INTO MACHINE:
 - 4.1. NOMEX felt with pneumatic tension adjustment system and felt-centring device by electro-mechanic sensor.
 - 4.2. Incorporated system of felt protection in case of black out and/or compressed air lack.
 - 4.3. Meter-counter, with alarm to predetermine the length of production runs.
 - 4.4. General management of the machine, including temperature control by adjustable PLC for the memorization of production data.
 - 4.5. Front touch-screen keyboard for several access to many work programs.
 - 4.6. Fixed paper separator.
 5. ROLLS DIAMETER MACHINE WITHOUT OPTIONS:
 - Fabric roll diameter in entry 300 mm (11,81").
 - Fabric roll diameter in exit 300 mm (11,81").
 - Printing paper roll diameter in entry 250 mm (9,84") - Larger diameters on request.
 - Printing paper roll diameter in exit 250 mm (9,84") - Larger diameters on request.
 - Protection paper roll diameter in entry 250 mm (9,84").
 - Protection paper roll diameter in exit 250 mm (9,84").

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MODEL C03E-1800

6. TECHNICAL DATA:

- 6.1. Installed power: 19,67 kW
- 6.2. Average electric consumption: 13,37 kW/h
- 6.3. Compressed air pressure: 4-8 bar
- 6.4. Mechanic speed: 0,3 ÷ 4 m/min
- 6.5. Overall dimensions: width 3.210 mm (126,38"). length 1.120 mm (44,1"). height 1.625 mm (64").
- 6.6. Net weight: *to be confirmed*
- 6.7. Machine produced according to CE rules
- 6.8. Customs tariff: 84 51 80 30

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