Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting
- Heatsetting of "crush" effect

1. CHARACTERISTICS OF HEATING CYLINDER:
   1.1. Diameter : 500 mm (19,70").
   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 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 up by the touch screen and 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 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 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.
   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 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 400 mm (15,75").
   - Protection paper roll diameter in exit 400 mm (15,75").

6. TECHNICAL DATA:
   6.1. Installed power: 32,2 kW
   6.2. Average electric consumption: 22,3 kW/h
   6.3. Compressed air pressure: 6-8 bar
   6.4. Mechanic speed: 0.5 ÷ 7.5 m/min
   6.5. Overall dimensions (with platform): width 3.500 mm (137,80"). length 2.920 mm (114,96"). height 2.190 mm (86,22").
   6.6. Net weight: 2.935 kg
   6.7. Machine produced according to CE rules
   6.8. Customs tariff: 84 51 80 30

Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting
- Heatsetting of "crush" effect

1. CHARACTERISTICS OF HEATING CYLINDER:
   1.1. Diameter : 500 mm (19,70").
   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 the touch screen and regulated by an electronic card. The temperature controls 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 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.
   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 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 400 mm (15,75").
   - Protection paper roll diameter in exit 400 mm (15,75").

6. TECHNICAL DATA:
   6.1. Installed power: 34 kW
   6.2. Average electric consumption: 23,5 kWh
   6.3. Compressed air pressure: 6-8 bar
   6.4. Mechanic speed: 0.5 ÷ 7.5 m/min
   6.5. Overall dimensions (with platform): width 4.100 mm (161,42"). length 2.970 mm (116,93"). height 2.190 mm (86,22").
   6.6. Net weight: 3.420 kg
   6.7. Machine produced according to CE rules
   6.8. Customs tariff: 84 51 80 30

MODEL C05-3000

Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting
- Heatsetting of "crush" effect

1. CHARACTERISTICS OF HEATING CYLINDER:
   1.1. Diameter : 500 mm (19,70")
   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 the touch screen and regulated by an electronic card. The temperature controls 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 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.
   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").

6. TECHNICAL DATA
   6.1. Installed power: 39,8 kW
   6.2. Average electric consumption: 27,6 kWh
   6.3. Compressed air pressure: 6-8 bar
   6.4. Mechanic speed: 0.5 ÷ 7.5 m/min
   6.5. Overall dimensions (with platform): width 4.550 mm (179,13"). length 2.330 mm (91,73"). height 2.195 mm (86,41").
   6.6. Net weight: 5.350 kg
   6.7. Machine produced according to EC rules
   6.8. Customs tariff: 84 51 80 30

Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting
- Heatsetting of "crush" effect

1. CHARACTERISTICS OF HEATING CYLINDER:
   1.1. Diameter: 500 mm (19,70").
   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), one per each side, 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 by 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: 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 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.
   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").

6. TECHNICAL DATA
   - 6.1. Installed power: 50,4 kW
   - 6.2. Average electric consumption: 34,4 kWh
   - 6.3. Power in ECONOMY MODE: 27,2 kW
   - 6.4. Compressed air pressure: 6-8 bar
   - 6.5. Mechanic speed: 0.5 ÷ 7.5 m/min
   - 6.6. Overall dimensions: width 5.150 mm (202,76"). length 2.330 mm (91,73"). height 2.195 mm (86,42").
   - 6.7. Net weight: 5.750 kg
   - 6.8. Machine produced according to CE rules
   - 6.9. Customs tariff: 84 51 80 30

MONTI ANTONIO®
STANDARD & CUSTOM HEATING SOLUTIONS

MODEL C05-4400

Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting
- Heatsetting of "crush" effect

1. CHARACTERISTICS OF HEATING CYLINDER:
   1.1. Diameter : 500 mm (19,70").
   1.2. Width : 4.400 mm (173,23").
   1.3. Working Width: 4.200 mm (165,35").

2. HEATING SYSTEM AND TEMPERATURE CONTROL:
   2.1. The cylinder is heated by 2 resistors (heating element) per each side 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 the touch screen and regulated by an electronic card. The temperature controls 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 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.
   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").

6. TECHNICAL DATA:
   6.1. Installed power: 62 kW
   6.2. Average electric consumption: 42,4 kW/h
   6.3. Power in ECONOMY MODE: 34 kW
   6.4. Compressed air pressure: 6-8 bar
   6.5. Mechanic speed: 0.5 ÷ 7.5 m/min
   6.6. Overall dimensions: width 6.040 mm (237,8"). length 3.080 mm (121,26"). height 2.550 mm (100,39").
   6.7. Net weight: 8.000 kg
   6.8. Machine produced according to CE rules
   6.9. Customs tariff: 84 51 80 30

MONTI ANTONIO®
STANDARD & CUSTOM HEATING SOLUTIONS

Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting
- Heatsetting of "crush" effect

1. CHARACTERISTICS OF HEATING CYLINDER:
   1.1. Diameter : 500 mm (19,70").
   1.2. Width : 5.400 mm (212,59").
   1.3. Working Width: 5.200 mm (204,72").

2. HEATING SYSTEM AND TEMPERATURE CONTROL:
   2.1. The cylinder is heated by 2 resistors (heating element) per each side 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 the touch screen and regulated by an electronic card. The temperature controls 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 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. 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. 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").

6. TECHNICAL DATA:
   6.1. Installed power: 66 kW
   6.2. Average electric consumption: 45 kWh
   6.3. Power in ECONOMY MODE: 36 kW
   6.4. Compressed air pressure: 5-8 bar
   6.5. Mechanic speed: 0.5 ÷ 10 m/min
   6.6. Overall dimensions: width 7.080 mm (278,74"). length 3.080 mm (121,26"). height 2.550 mm (100,39").
   6.7. Net weight: 14.000 kg
   6.8. Machine produced according to CE rules
   6.9. Customs tariff: 84 51 80 30

MONTI ANTONIO®
STANDARD & CUSTOM HEATING SOLUTIONS

MODEL C05E-2000

Calender adapt for continuous fabrics:

- Transfer printing
- Direct inks reactivation
- Thermosetting – heatsetting

1. CHARACTERISTICS OF HEATING CYLINDER:
   1.1. Diameter : 500 mm (19,68").
   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 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 up by the touch screen and 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 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: motorized winding with pneumatic device for motion transmission.
   3.3. Tension control for protection paper:
      - Entry: axial unwinding with disk brake with pneumatic adjustment.
      - Exit: motorized winding with pneumatic device for motion transmission.

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 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. 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 400 mm (15,75").
   - Fabric roll diameter in exit 400 mm (15,75").
   - 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 400 mm (15,75").
   - Protection paper roll diameter in exit 400 mm (15,75").

6. TECHNICAL DATA:
   - 6.1. Installed power: 30,62 kW.
   - 6.2. Average electric consumption: 20,75 kWh.
   - 6.3. Compressed air pressure: 6-8 bar
   - 6.4. Mechanic speed: 0.5 ÷ 7.5 m/min
   - 6.5. Overall dimensions: width 3.430 mm (135,04"). length 1.860 mm (73,23"). height 1.850 mm (72,83").
   - 6.6. Net weight: 2.765 kg
   - 6.7. Machine produced according to CE rules
   - 6.8. Customs tariff: 84 51 80 30