

GTC141-2000 SPFL

FLOWLINE TRANSFER PRINTING CALENDER

ANY JOB, ANY MATERIAL

The GTC-SP Flowline series have been designed for efficient production of single piece transfer printing, but is also capable of cut sheet repeat jobs or roll-to-roll transfer printing.

All kind of materials like woven, stretch or knits can be printed. The high volume flowline execution is available in 760 mm/30" and 1070 mm/42" drum diameter.

THE GTC SP FLOWLINE OFFERS:

- Single piece and roll-to-roll transfer printing;
- Long infeed table;
- Movable separation bar;
- Low tension textile winder (roll-to-roll application);
- Safety chucks and airshafts;
- Fume extractor;
- Reliability and consistency by the use of
- Multiple heating elements over the full width;
- Modern machine with touchscreen, operation, pneumatic tension settings, incorporated textile feed through.

- ▶ Brilliant colours
- ▶ High print definition
- ▶ Reproducibility



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GTC141-2000 SP FLOWLINE TRANSFER PRINTING CALENDER

Transfer printing calender for single pieces of textile. Working width 1800 mm. The drum is electrically heated with oil as the carrier medium for the highest quality print and reproducible products.

CHARACTERISTICS:

- Roller width 2000 mm, working width 1800 mm
- Drum diameter 950 mm
- Mechanical speed 1-11 m/min
- Infeed table (table length $\pm 2,6$ m./102" with paper protection bar
- Guiding bars for easy paper feeding and single sheet production
- Out-feed section that can be folded away for easy access when replacing rolls
- Protection paper unwind and winding position incl. tensioning device, sliding chucks and shafts
- Transfer paper unwind and winding position incl. tensioning device, sliding chucks and shafts
- Transfer paper separation bar, manual movable for easy paper threading
- Textile unwinding (1" core bars) and winding (3" core bars) position incl. tensioning device and shaft. Additional unwinding position in front of the table, without tension control
- Driven low tension textile winder for winding sensitive or stretch textiles, consisting of:
 - frequency controlled electrical drive
 - differential speed setting +/- for winder; free loop winding possible
- Long and high quality Nomex belt
- Stable belt guidance system to prevent movement of the material
- Short heating up time
- Touch screen panel: 5.7 inch colour touch screen panel for enhanced machine operation and remote monitoring.

THE PANNEL OFFERS:

- Recipe creation, storage and retrieval for defined reproducible process settings
- Display of the significant selected parameters
- Remote monitoring from PC/Tablet or Smartphone via Internet connection
- Password protection/operator mode
- Cooling down timer

FUME EXTRACTOR

- Removable exhaust bar underneath the table
- Integrated ventilator
- Exhaust pipe on top of the calenders side panel

TECHNICAL SPECIFICATIONS

DIMENSIONS / WEIGHT

Machine width	3940 mm/155.1"
Machine length	5362 mm/211.1"
Machine height	1915 mm/75.4"
Machine weight	± 4500 kg

DIAMETER / WIDHT

Heating cylinder diameter	950 mm/37.4"
Maximum working width	1800 mm/70.9"
Substrate unwind diameter	300 mm/11.8"
Substrate rewind diameter	300 mm/11.8"
Maximum transfer paper width	1800 mm/70.9"
Transfer paper unwind diameter	300 mm/11.8"
Transfer paper rewind diameter	300 mm/11.8"
Maximum protective paper width	1830 mm/72"
Protective paper unwind diameter	400 mm/15.7"
Protective paper rewind diameter	300 mm/11.8"
Internal core diameter	76 mm/3"

TABLE / FUME EXTRACTOR

Lenght infeed table SP FL	260 cm/102"
Lenght extended table SP FL	100 cm/39.4"
Outer diameter connection fume extractor	70 mm/2.76"

BLANKET

Printing blanket width	2000 mm/78.2"
Printing blanket length	6650 mm / 261.8"
Printing blanket thickness	7 mm/0.28"
Arc of contact blanket-cylinder	223°

TEMPERATURE/SPEED/AIR/PRESSURE/OIL

Maximum temperature	240°C
Mechinal speed	1-11 m/min
Air consumption	0,6 Nm3/hr
Air	6 bar max./G 1/4"
Maximum linear pressure	-
Oil capacity heating cylinder	550 l.

ELECTRICAL INFORMATION

Amps req. at 400 VAC input volt. (nom)	105 Apm.
Total power	66kW
Power heating	63 kW
Voltage	400 V
Number of phases	3ph
Frequency	50 Hz

