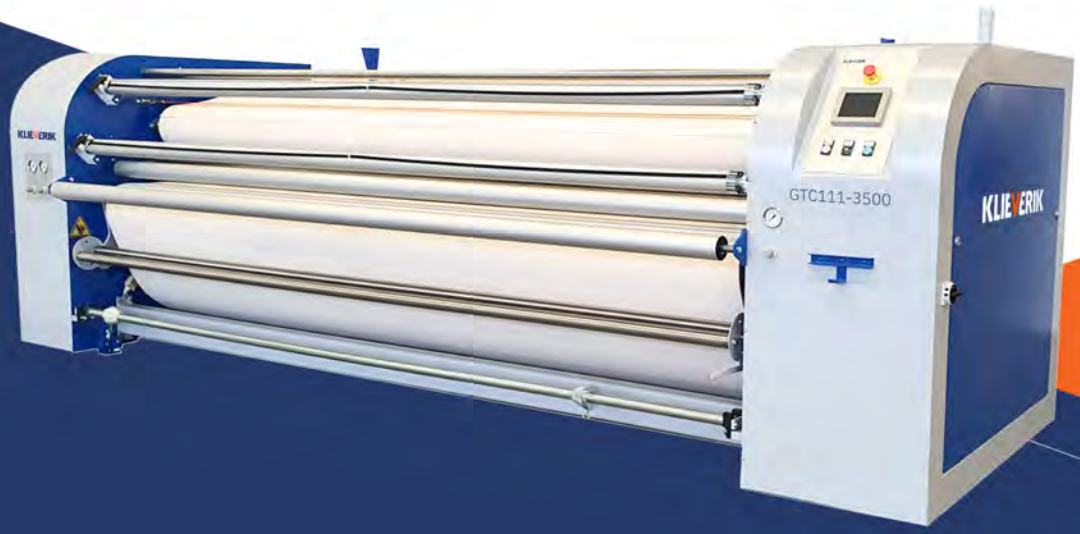
KLIEVERIK / GTC111-3500

Dye sublimation & fixation



GTC111-3500

Dye sublimation and fixation calender

The Klieverik GTC111-3500 is built with pride and precision, a versatile calender designed for both dye-sublimation transfer printing (paper to textile) and dye fixation of direct printed disperse dyes or pigment curing. With its sharp edge definition, high production speeds, and minimal waste, this calender lets you achieve outstanding results every single run. Reliable, efficient, and built to drive your profitability.

Ease of operation is at the heart of its design. Every roll position is easy to access and is precisely controlled by air pressure to ensure flawless quality from start to finish. The low-tension contact winder guarantees perfectly even winding on all PES textiles, while its smart, shaft-free design allows you to remove finished rolls quickly and effortlessly keeping your production flowing without interruptions.

True to our heritage as Proud Builders, the GTC111-3500 embodies the qualities Klieverik stands for: a robust, long-lasting construction, an advanced oil-heated drum for unmatched temperature consistency, and an ingenious belt tracking system for first-time-right production.
Built to perform. Built to last. Built with pride.

- > Brilliant colours
- > High print definition
- > Reproducibility

The GTC111-3500 features a larger drum for increased capacity and stable throughput. A future-proof choice for companies with growing demand, offering the reliability and performance to support higher production volumes with ease.

GTC111-3500

Transfer printing calender

Technical specifications.

Dimensions / weight

Machine width	4656 mm/183.2"
Machine length	1524 mm/60"
Machine height	1502 mm/59.1"
Machine weight	± 4500 kg

Diameter / width

Heating cylinder diameter	500 mm/19.7"
Maximum working width	3200 mm/125.9"
Substrate unwind diameter	300 mm/11.8"
Substrate renwind diameter	300 mm/11.8"
Maximum transfer paper width	3220 mm/125.9"
Transfer paper unwind diameter	250 mm/9.8"
Transfer paper rewind diameter	250 mm/9.8"
Maximum protective paper width	3320 mm/126.8"
Protective paper unwind diameter	400 mm/15.8"
Protective paper rewind diameter	250 mm/9.8"
Internal core diameter	76 mm/3"

Blanket

Printing blanket width	3400 mm/133.9"
Printing blanket length	5000 mm/196.9"
Printing blanket thickness	7 mm/0.28"
Arc of contact blanket-cylinder	275°

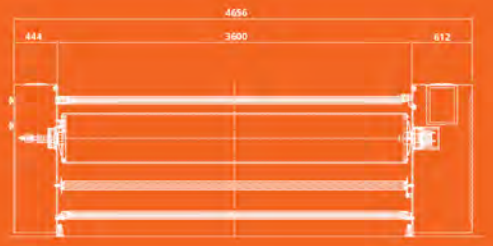
Temperature / speed / air / pressure / oil

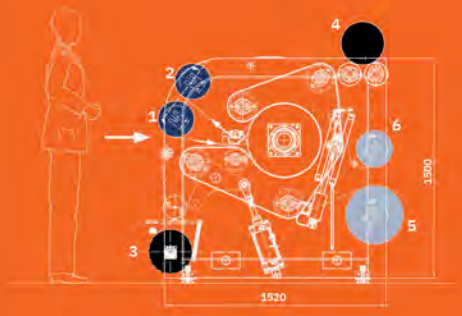
Maximum temperature	240°C
Mechanical speed	0.4–5 m/min/1.31–16.40 ft/min
Linear speed (30 sec.dwell)	2.50 m/min/8.2 ft/min
Air consumption	0.6 Nm3/hr
Air	6 bar max./G 1/4"
Oil capacity heating cylinder	350 l.

Electrical information

Total installed power kVa	62 kVA
Amps req at 400 VAC input (nom.)	93 Amp.
Total power	61 kW
Power heating	60 kW
Voltage	400 V
Number of phases	3ph
Frequency	50/60 Hz

Layout





ROLL-TO-ROLL TRANSFER PRINTING

1. TRANSFER PAPER UNWIND
2. TRANSFER PAPER REWIND
3. TEXTILE UNWIND
4. TEXTILE REWIND
5. PROTECTION PAPER UNWIND
6. PROTECTION PAPER REWIND

Would you like to know more about the GTC111-3500 transfer printing calender? Please contact us:

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