

# KLIEVERIK

## / Vertex-1850 Vertex-1850T

Dye sublimation  
& fixation

**NEW**



## VERTEX-1850

### Hybrid transfer printing calender

The VERTEX-1850 has been designed as an efficient start for single piece transfer printing. But the calender is also capable of roll-to-roll printing. With sharp edge definition, a compact design and its oil filled heating drum, this calender is ideal for the multi-purpose print shop aiming at high quality.

The machine is optimized for ease of operation and is suitable for all kind of PES textiles. The blank pieces are laid down on the infeed table and transported to the front of the calender. Here the printed pieces can easily be gathered and sorted by size and print. Longer tables are available at request. Tension control for the papers is set by air pressure. Winding of the textile roll is done on a low tension winder which provides uniformity from the first to the last meter. A state of the Art Touch screen panel provides easy control.

It is a typical Klieverik; robust design offering a long life time at low operating cost, the best oil-based heating system for very high temperature consistence and an ingenious belt tracking system for first time right production.

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

**VERTEX-1850T is a special version of this small calender model, especially adapted for printing on cotton and other natural fibers using Texcol paper. For roll-to-roll production the machine has a maximum width of 1650mm / 64,9. Choose the VERTEX-1850T for superior performance and reliability in textile printing on natural fibers.**

# VERTEX-1850

## Hybrid transfer printing calender

### Technical specs.

#### Dimensions / weight

Machine width	2688 mm/105.8"
Machine length	1393 mm/54.8"
Machine height	1400 mm/55.1"
Machine weight	± 1100 kg

#### Diameter / width

Heating cylinder diameter	195 mm/7.7"
Maximum working width	1650 mm/64.9"
Substrate unwind diameter	250 mm/9.8"
Substrate rewind diameter	250 mm/9.8"
Maximum transfer paper width	1650 mm/64.9"
Transfer paper unwind diameter	250 mm/9.8"
Transfer paper rewind diameter	250 mm/9.8"
Maximum protective paper width	1680 mm/66.1"
Protective paper unwind diameter	250 mm/9.8"
Protective paper rewind diameter	250 mm/9.8"
Internal core diameter	76 mm/3"

#### Table / fume extractor

Length infeed table	635 mm/25"
---------------------	------------

#### T version

Pressure roller	
-----------------	--

#### Blanket

Printing blanket width	1800 mm/70.9"
Printing blanket length	2100 mm/82.7"
Printing blanket thickness	6 mm/0.24"
Arc of contact blanket-cylinder	198°

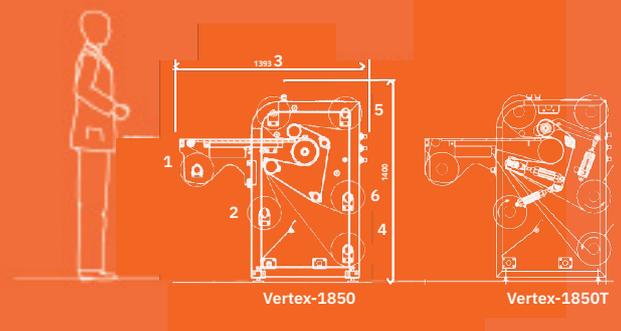
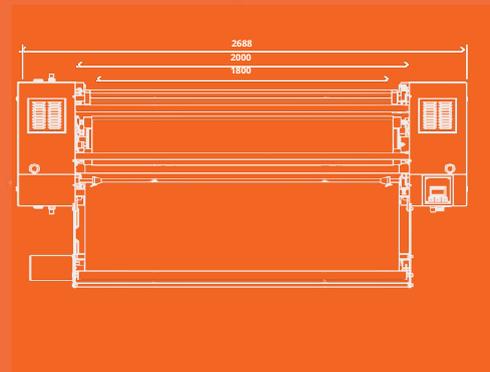
#### Temperature / speed / air / pressure / oil

Maximum temperature	220°C
Mechanical speed	0.2-1.0 m/min
Air consumption	0.1 Nm <sup>3</sup> /hr
Air	6 bar max./G 1/4"
Oil capacity heating cylinder	37 l.

#### Electrical information

	400 V	208 V
Amps required at 400/208 V	16 Amp.	26 Amp.
Power heating	10 kW	10 kW
E-consumption (estimate)	9 kW	9 kW
Voltage	400 V	208 V
Number of phases	3ph	3ph
Frequency	50/60 Hz	50/60 Hz

### Layout



#### SINGLE PIECE TRANSFER PRINTING & 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 VERTEX 1850 hybrid  
transfer printing calender?  
Please contact us:

+31 541 511155 / [info@klieverik.com](mailto:info@klieverik.com)

**KLIEVERIK**