



## DYE SUBLIMATION PAPER TRANSFER / ROLL TO ROLL AND CUT PIECE

ThermTx® Calenders are an affordable, easy to use solution for all your dye sublimation paper transfer applications. ThermTx® Calenders deliver precision temperature fixation to a broad range of textile applications, thus saving time on production. An all steel solid construction provides high quality performance and ensures ThermTx® Calenders are built for year on year production.

### EASE OF USE

- Material Loading: The Calender is delivered with six (6) mandrels; three (3) for feeding and three (3) for take up after sublimation
- Spring Loaded take-up Mandrels: A unique feature to ThermTx® range. No tools are required to load or remove media from the calender. Cores are easily positioned directly onto a spring loaded mandrel for accuracy and ease of use
- Media Centering un-wind Mandrels: All unwind mandrels include a material centering system which allows the user to quickly and accurately load the Calender for production
- Automatic Cool Down: Your ThermTx® Calender has an automated cool down function. Electric supply is only disconnected when the drum reaches 76°C
- Fixed sports table: included in the design, allowing cut piece as well as roll 2 roll transfer applications
- Cut piece bin: for catching cut pieces, keeping them clean for production

### FEATURES

- All steel component construction
- Temperature accuracy is controlled by a precision infra-red sensor, ensuring consistency during the entire transfer process
- Fast warm-up and cool down times save energy and labor
- NOMEX® felt belt for added durability
- Mechanically adjusted belt without the need of compressed air; the belt does not need adjustment before, during or after the transfer process
- Industry leading 200mm diameter drums for faster operation
- All OMRON® controllers and heat couplings for year on year stability
- Quick Chuck® self locking mandrels, secures and centres cores consistently. Available for both 3" and 2" cores





## ANTI-GHOSTING SYSTEM

- A proprietary system of tension bars separate textile from the transfer paper after sublimation to prevent image ghosting on the fabric. The belt is easily adjusted for thicker items like wetsuit material, carpets etc.

## SAFETY FEATURES

ThermTX® Calenders include safety features engineered to provide a safe working environment for the operator:

- **Emergency Stop Buttons:** Two (2) emergency stop buttons easily accessed from front/rear of calender
- **System Override:** If any of the safety features are activated, the user must press the reset button to restart the calender
- **Thermo Isolation:** All exposed surfaces have been thermo isolated to protect the user from the risk of burns while operating the calender
- **Battery backup** for any power failures or interruptions
- **Auto cool down/shutoff:** When turned off the ThermTx® heater drum will automatically shut down when safe temperatures are reached

## BENEFITS: 3 in 1 DESIGN

- The table is in a fixed position, allowing for both roll-to-roll or piece production
- Ideal for the production of sportswear and garments using stretchable or non-stretchable fabric with cut piece
- Works with tack or non-tack transfer papers in roll to roll applications for signage etc
- has a low speed servo driven motor system to allow pigment ink fixation



Specifications	44 inch
Maximum working width	44" (1180mm)
Maximum temperature	428°F (220°C)
Diameter of drum	Ø 7.8" (200mm)
Heating system / Elements	1
Heating time from room temperature to 200°C	30 min.
Digital display of temperature	Yes
Belt material	Nomex®
Speed exposure time 40 seconds	71 yd / hr - 1.18 yd / min 65 m / hr - 1.08 m / min
Speed exposure time 90 seconds	18 yd / hr - 0.30 yd / min 17 m / hr - 0.29 m / min
Safety features	Safety cover in front of the rollers with safety switches and reset button on the control panel
Number of mandrels included	6 mandrels, 3 feed, 3 take-up
Maximum material roll dimension	Upper position 13.8" (350 mm) Mid front position 13.8" (350 mm) Low front position 13.8" (350 mm)
Maximum roll weight	100 Lbs (45kg)
Power	15A (Ø1-220V)

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**ThermTX®**