

Microtec New Multifunctional Oil Heating MTX series Rotary Thermal Transfer Machine has been specifically designed to meet the increasing demand for cut piece digital printing. This is one roll to roll heat transfer printing machine that makes transferring any large job quick and easy. It is an inexpensive, easy to manage solution for all your dye sublimation paper transfer applications. This rotary heat transfer machine can be used for transferring on continuous or roll materials.

The new oil heating system guarantees a uniform heat distribution across the width of the drum with a minimum of energy consumption. This system uses 50% less energy than electrically heated presses. Microtec 44" Calender rotary heat press is ideal for transferring high quality images onto polyester fabrics, image Roll-to-Roll and cut sheet applications such as dye sub banners, soft signages, displays, cut and sew dye sub, sportswear, fitness garments and more.

## 44" & 68" CALENDER ROLL TO ROLL HEAT PRESS

- All steel component construction
- Temperature accuracy is controlled by thermocouple, ensuring consistency during the entire transfer process
- Durable driving belt (230°C high temperature resistant)
- Easily mechanically adjusted driving belt without the need of compressed air
- Digital controllers and heat couplings for year on year stability



## DYE SUBLIMATION PAPER TRANSFER

ROLL to ROLL: calenders for printing continuous and reel-wound materials  
PIECE to ROLL: special calenders capable of operation in both modes  
(material in cut pieces and/or in rolls)

### Description

Microtec MTX calenders are an affordable, easy to use solution for all your dye sublimation paper transfer applications. MTX 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. MTX calenders are built for year on year production.





MTX-44



MTX-68

### MTX-44(68)

**Six Mandrels:** 3 for feeding and 3 for take-up after sublimation.

**Integrated sports tables:** allows cut piece and roll-to-roll transfer applications.

**Spring Loaded Take-up Mandrels:** No tools are required to load or remove media from the calender.

**Take-up mandrels Speed Controller:** Easy to adjust the collecting speed of take-up mandrels accordingly to the belt speed calender.

**Belt Speed Controller:** Easy to adjust the speed of belt.

**Forward & Reverse Button:** If the feeding with problem, you can turn the button to REV, then the material will return safely.

**Tension Handle:** Easy and quick to control the tension between the blanket and oil drum ; When press it down, tension is big and blanket is tight; When press it up, blanket is separate.

**Adjusting Rod:** Easy to adjust the tension and position of blanket.

**Automatic Cool Down:** After you turn off the "Power" and "Heat", the machine will cool down automatically (factory setting is cool down for 2 hours).

## SPECIFICATIONS

<b>MODEL NO.</b>	MTX-44	MTX-68
<b>MAX. WORKING WIDTH</b>	44"(1200mm)	68"(1730mm)
<b>DIA OF DRUM</b>	Φ7.8"(200mm)	Φ9.8"(250mm)
<b>MAX. TEMPERATURE</b>	392°F(200°C)	392°F(200°C)
<b>HEATING ELEMENTS</b>	1	1
<b>HEATING MEDIA</b>	Thermal Oil	
<b>CONTROLLER</b>	Digital temperature & time control	
<b>MAX. FEEDING SPEED</b>	0-1100mm/min	0-1200mm/min
<b>NUMBER OF MANDRELS INCLUDED</b>	6 mandrels, 3 feed, 3 take-up	
<b>MAX. MATERIAL ROLL DIMENSION</b>	350mm	
<b>MAX. ROLL WEIGHT</b>	45kg	
<b>VOLTAGE</b>	220VAC 50HZ Single Phase	220VAC 50HZ Three Phase
<b>CURRENT</b>	27A	30A
<b>POWER</b>	6KW	11KW
<b>NOISE LEVEL</b>	30DB	30DB
<b>NET/GROSS WEIGHT</b>	450kg/	/
<b>MACHINE SIZE</b>	1630*976*1315mm	2300*1272*1505mm
<b>PACKING SIZE</b>	1830*1190*1630mm	2480*1440*1830mm



# APPLICATION

## 01

### Printed carpet

Sublimation transfer to roll carpet, rug, blanket, floor mat with brilliant colors.



## 02

### Decorative cloth

It can be applied to curtain cloth, tablecloth, sofa cloth, and so on.

## 03

### Fashion apparel

Sublimation printable cotton, linen, fibre, silk, and other fabrics of clothing, dress, suits, coat, accessories, etc.





# 04

## Sportswear

Like football suit, basketball jersey, swimwear, etc.

# 05

## Flags, banners

Transfer of flags and banners suitable for advertising industry



# 06

## All kinds of cloth

Transfer printing of cloth of various sizes and materials, bright and saturated color, without distortion

Scan for more video details



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## Feature

**Integrated sports tables:** allows cut piece and roll-to-roll transfer applications

**Six mandrels:** 3 for feeding and 3 for take up after sublimation

**Spring Loaded take-up Mandrels:** No tools are required to load or remove media from the calander.

**Forward & Reverse Button:** if the feeding with problem, you can turn the button to REV, then the material will return softly.

**Tension Handle:** Easy and quick to control the tension between the blanket and oil drum ; When press it down, tension is big and blanket is tight; When press it up, blanket is separate.

**Adjusting Rod:** Easy to adjust the tension and position of blanket.

**Belt Speed Controller:** Easy to adjust the speed of belt.

**Take-up mandrels Speed Controller:** Easy to adjust the collecting speed of take-up mandrels accordingly to the belt speed.

**Automatic cool down:** After you turn off the "Power" and "Heat", the machine will cool down automatically (factory setting is cool down for 2 hours).

## Specification

<b>Model No.</b>	MTX-44	MTX-68
<b>Max. working width</b>	44"(1200mm)	68"(1730mm)
<b>Dia of drum</b>	Φ7.8"(200mm)	Φ9.8"(250mm)
<b>Max. temperature</b>	392°F(200°C)	392°F(200°C)
<b>Heating elements</b>	1	3
<b>Heating media</b>	Thermal Oil	
<b>Controller</b>	Digital temperature & time control	
<b>Max. Feeding Speed</b>	0-1100mm/min	0-1200mm/min
<b>Number of mandrels included</b>	6 mandrels, 3 feed, 3 take-up	
<b>Max. material roll dimension</b>	350mm	
<b>Max. roll weight</b>	45kg	
<b>Voltage</b>	220VAC 50HZ Single Phase	220VAC 50HZ Three Phase
<b>Current</b>	27A	30A
<b>Power</b>	6KW	11KW
<b>Noise Level</b>	30DB	30DB
<b>Net/Gross Weight</b>	450kg/	/
<b>Machine Size</b>	1630*976*1315mm	2300*1272*1505mm
<b>Packing Size</b>	1830*1190*1630mm	2480*1440*1830mm

## Machine Warranty:

\* 1 year warranty for the machine

\* Lifetime online support on machine maintenance.

## Application

### Sublimation Application:

TEXTILES, FURNISHING, FASHION-SPORTSWEAR-PROMOTIONAL, FILMS

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