

For  
TEXTILES &  
APPAREL

Heat Transfer Inkjet Printer

**Mimaki**<sup>TM</sup>

# ***TXF300-75*** ***TXF150-75***

**Sustainable Fabric Printing Solution**



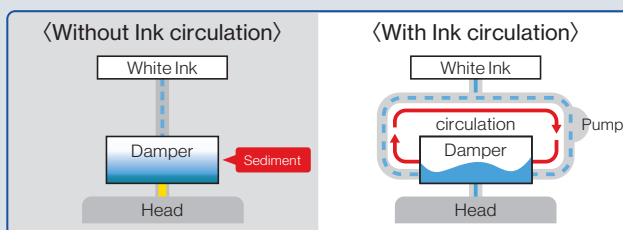
# A safe and stable DTF Printer (Direct to Film) with **Mimaki's** core technologies

Because  
it is  
Mimaki

**TxF300-75/TxF150-75**, A DTF printer with Mimaki's core technologies for reliable production. Equipped with functions to support stable operation. Quality work can be easily performed by anyone, regardless of the skill level of the operator. We provide ongoing support for your work.



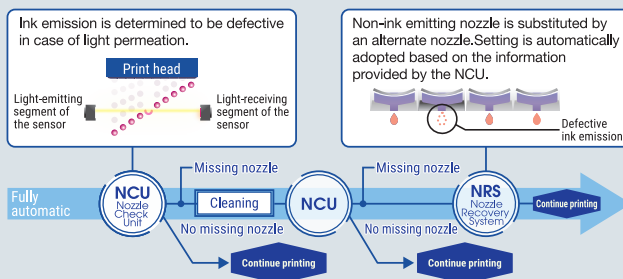
## Mimaki's core technologies for stable operation



### MCT Version2 (Mimaki Circulation Technology Version2)

Circulation through out ink route including damper\*, supports stable white ink ejection for reducing frequent nozzle cleaning and ink waste.

\*A filter above the head



### NCU (Nozzle Check Unit)

A sensor detects nozzle defect and nozzle cleaning performed automatically to reduce the material waste.

### NRS (Nozzle Recovery System)

Supports continuous production without waiting for service personnel, when nozzle defect is unrecoverable by nozzle cleaning.

\*The function may be limited by missing-nozzle position and amount

## Secured safety - Mimaki genuine Heat transfer pigment ink PHT50\*

Aluminum pack for degassed ink, implements stable ink ejection by reducing gas contamination of the ink and preventing nozzle defect. The use of plastic can be reduced compared to ink bottles, which also reduces environmental impact.



PHT50, Mimaki's first heat transfer pigment ink, has already acquired the "ECO PASSPORT" certification. ECO PASSPORT is an international standard for the safety of textile products. The "Eco Passport" is an international standard for the safety of textile products, and the safety of the ink is certified by a third-party organization. PHT50 is a safe and secure ink that reduces environmental impact.

\*Environmentally friendly ink that meets the world's top safety standards

## Lineup of two models in series with different productivity

Pro-model and Entry-model - 2 models are available for customers to choose according to the productivity and investment amount.

\*Print condition : H 280 mm x W 360 mm print graphics are printed on W 800 mm DTF film side by side

<b>Pro-model</b> <b>TxF300-75</b>	<b>Large T-shirts 66 pcs/h</b> Production mode 720×720 6P 7.5 ml/h
<b>Entry-model</b> <b>TxF150-75</b>	<b>Large T-shirts 22 pcs/h</b> Production mode 720×720 10P 2.6 ml/h

Because  
it is  
DTF

DTF (Direct to Film) method eliminates the need for fabric selection, plate making and pre-treatment, thereby increasing product efficiency.



DTF Method may be utilized for various fabrics, such as blended fabrics, polyester and cotton. Also capable for denser color print on T-shirts including dark colored ones. Moreover, weeding for rubber transfer method is unnecessary therefore production efficiency increases dramatically. The adoption of DTF printer solves the various problems that have been a site challenge to now, all at once.

\*Depend on film/powder, available fabric varies. Be sure to do a pre-assessment.

## Comparison of silk screen, heat transfer rubber sheet, DTG and DTF methods

### Silk screen method



Need a plate.  
Difficult to print in full color.

### Heat transfer rubber sheet method



Takes time for weeding.

### DTG (Direct To Garment) method



Manual handling by the operator at each printing step.

### DTF method



No plate is needed. No weeding.  
Printing processes can be operated unattended.

## Example of uses Enable to decorate various fabric by one DTF print system



T-shirt (Cotton)



Sportswear (Polyester)



Tote bag (Cotton)



Windbreaker jackets (Nylon)

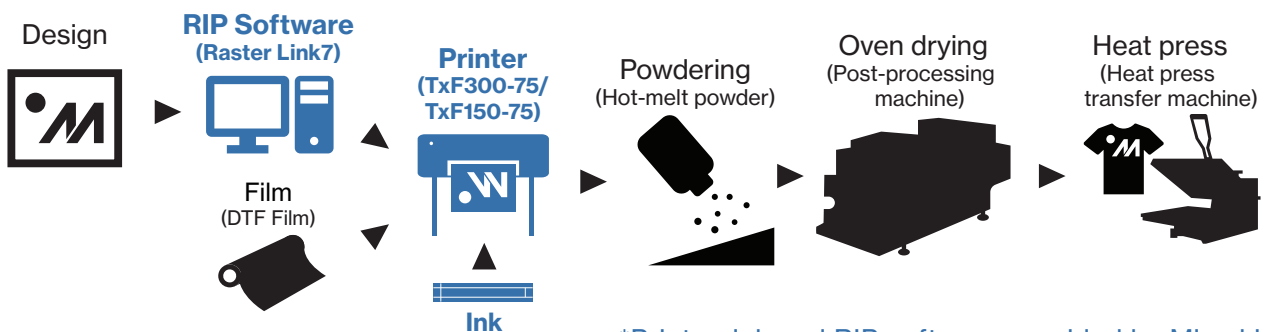


Knapsack (Polyester)

## What is DTF?

A printing method which prints directly on DTF film, sprinkles hot-melt powder, which is then heated and dried to form transferable ink layer. The ink layer is heat-pressed and transferred to a fabric such as T-shirt.

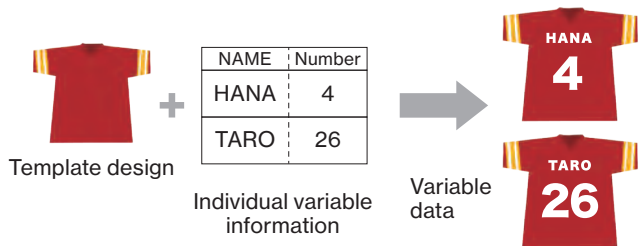
\*We offer our product in printer, ink and RIP software. Please contact local Mimaki distributors about DTF film, hot-melt powder, powder shaker, post-processing machine and heat press transfer machine.



\*Printer, ink and RIP software provided by Mimaki

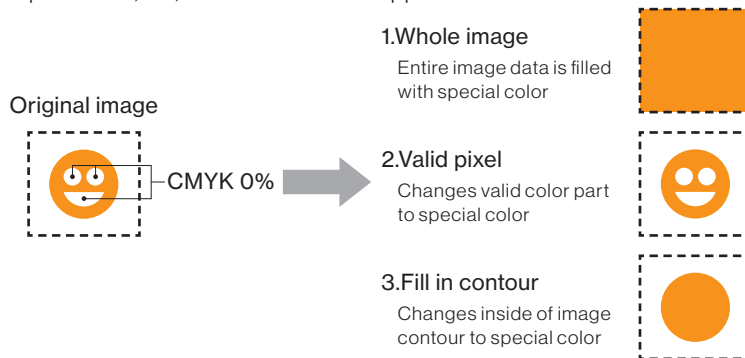
# Raster Link 7

## More useful and functional Variable print function - one items in uniform



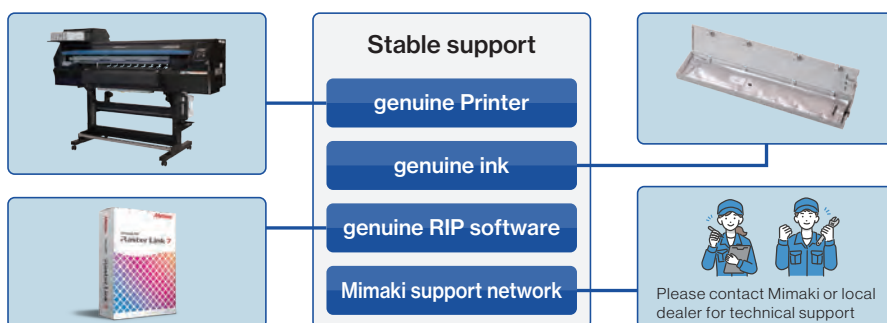
## Special color plate generation

The new [Fill in contour] option for reliable operation in DTF print  
Vector data and CMYK=0% object to be converted to special color  
plate EPS, PS, PDF formats are supported.



## Secured safety Mimaki Brand

Mimaki - One stop solution for printer, ink and RIP software provides the total support.



## Specifications

		TxF300-75	TxF150-75
Print head		On-demand piezo head	
Printing resolution		720 dpi, 1,440 dpi	
Ink	Type / Color	Heat transfer pigment ink PHT50 (C, M, Y, K, W)	
	Capacity	600 ml Ink pack (500 ml only for white)	
Circulatory function		Only white	
Maximum drawing width		800 mm (31.5 inches)	
Media	Maximum width	810 mm (31.9 inches)	
	Thickness	1.0 mm or less	
	Roll weight	45 kg (99.2 lb) or less	
Interface		Ethernet 1000BASE-T, USB2.0 Hi-speed	
Power		Body: Single-phase AC 100-120 V/ AC 200-240 V ± 10%, 50/60 Hz ± 1Hz x 1	
Power consumption		AC 100 V: 1 kW or less AC 200 V: 1.3 kW or less	AC 100 V: 0.9 kW or less AC 200 V: 1.2 kW or less
Certifications		VCCI class A, FCC class A, ETL IEC 62368-1, CE Marking (EMC, Low voltage, Machinery directive, and RoHS), CB, REACH, Energy Star, RCM, KC	
Dimensions (W×D×H)		1,965 × 700 × 1,392 mm (77.4 × 27.6 × 54.8 inches)	
Weight		126 kg (277.8 lb)	

## Ink specifications • Ink array

Water-based pigment ink for DTF: PHT50 specifications	
Ink name	PHT50
Ink color	5 colors (C, M, Y, K, W)
Packing form	Aluminum pack
Capacity	600 ml (C, M, Y, K), 500 ml (W)
Certification	Eco Passport

## Ink color set :



Note: Mimaki offer product in printer, ink and RIP software.  
Please consider the film, hot melt powder post-processing machine, and heat press transfer machine required for the system configuration after sufficient prior evaluation by the customer.

●Some examples shown in this catalog are artificial renderings.●Specifications, designs and dimensions shown in this catalog may be subject to change without notice for technical improvements.●The corporate and merchandise names in this catalog are the trademarks or registered trademarks of the respective corporations.●Inkjet printers use extremely fine dots, so colors may vary slightly after replacement of print heads.●Also note that when using multiple printer units, colors could vary slightly from one unit to another due to slight individual differences.●Please note that descriptions and data in this catalog are as of August 2023.

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