

For
TEXTILES &
APPAREL

Heat Transfer Inkjet Printer

TXF150-75

Mimaki™

Sustainable Fabric Printing Solution



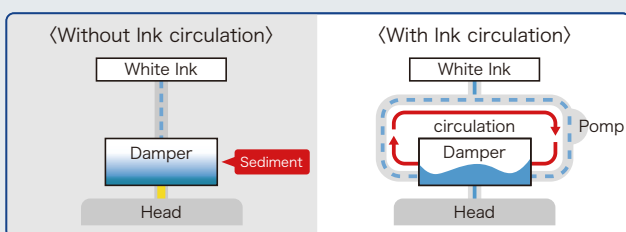
A safe and stable DTF Printer (Direct to Film) with Mimaki's core technologies

Because
it is
Mimaki

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.



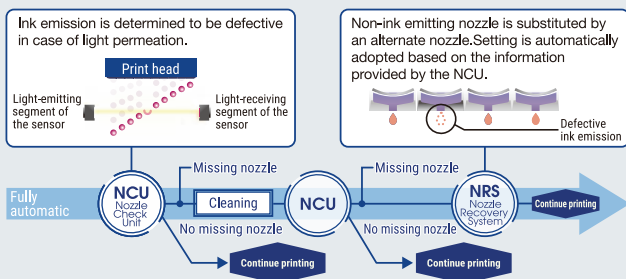
Mimaki's core technologies for stable operation



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

Secured safety Mimaki Brand

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



- Stable support
- genuine Printer
- genuine ink
- genuine RIP software
- Mimaki support network



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



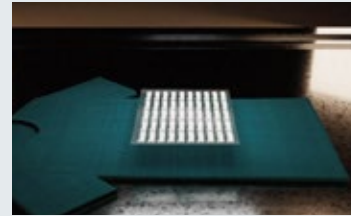
Takes time for weeding.

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)

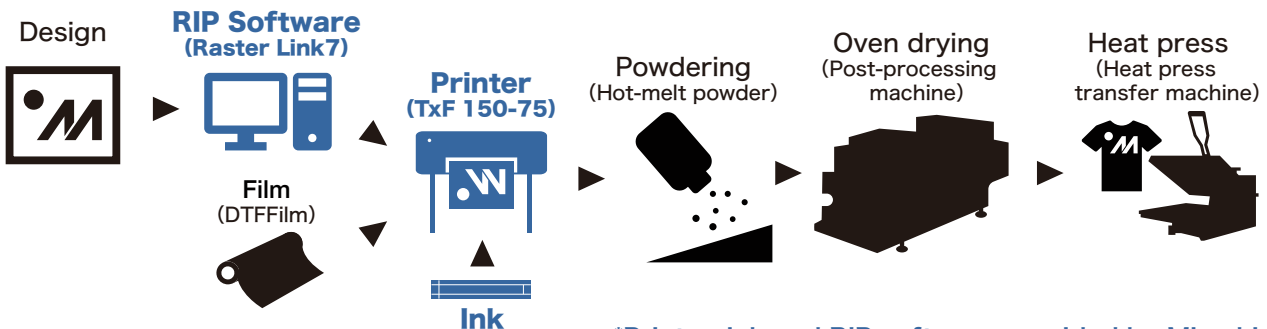


Knapsack (Polyester)

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.

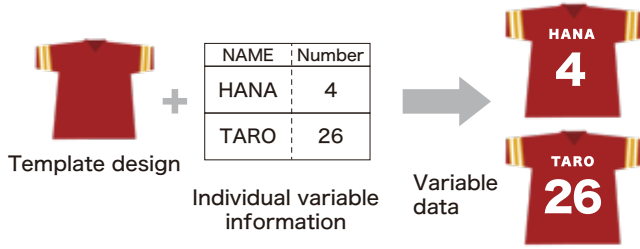
*We offer our product in printer, ink and RIP software. Please contact local Mimaki distributors about DTF film, hot-melt powder, powder shaker, post-processing machine and heat press transfer machine.



*Printer, ink and RIP software provided by Mimaki

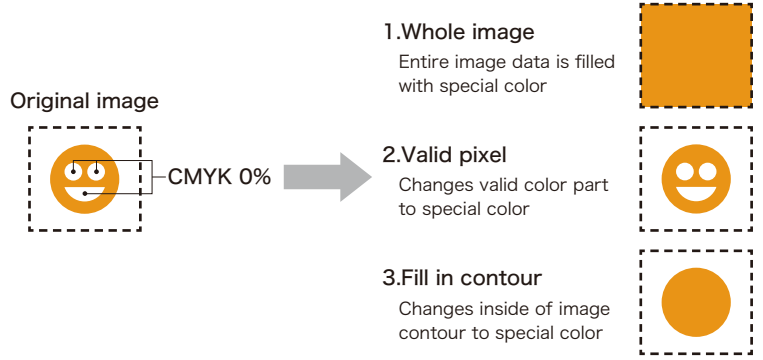
Raster Link 7

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.

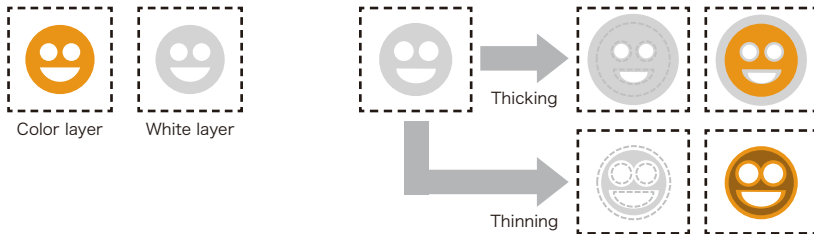


Layer adjustment

White layer size and position are adjustable when it offsets from color layer

<Size correctio>

- Thicking : Expands white layer from the center
- Thinning : Shrinks white layer toward to the center



<Position correction>

- Scan : Shifts the white layer left or right when adjustment value changes
- Feed : Shifts the white layer front or back when adjustment value changes



Specifications

TxF150-75		
Print head	On-demand piezo head	
Printing resolution	720dpi, 1,440dpi	
Ink	Type / Color	Heat transfer pigment ink PHT50(C, M, Y, K, W)
	Capacity	600ml Ink pack (500ml only for white)
Circulatory function	Only white	
Maximum drawing width	800mm	
Media	Maximum width	810mm
	Thickness	1.0mm or less
	Roll weight	45kg (99lb) or less
Interface	Ethernet 1000BASE-T, USB2.0 Hi-speed	
Power	Body: Single-phase AC100-120V/AC200-240V±10%, 50/60 Hz±1Hz×1	
Power consumption	AC100V: 0.9kW or less AC200V: 1.2kW 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(WxD×H)	1,965mm × 700mm × 1,392mm(77 × 27 × 39 in)	
Weight	126kg	

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	600ml(C, M, Y, K), 500ml(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 May 2023.

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Features of Tx-Y6018P Powder Shaker

All-In-One PLC Control Touch Panel

Easy operation and automatic production.

Integrated Internal Smoke Purifier

Stronger smoke purifying capability, compact design, and more environmentally friendly.

Intelligent Powder Spray System

Process greatly reduces the amount of time the powder needs to be recycled, resulting in decreased labor and increased efficiency.

Two Sided Heater

Heating system uses lamps on top and bottom to regulate temperature gradually. Bottom heater slows down ink drying by gradually increasing temperature, while top heater accelerates powder melting by gradually decreasing temperature to ensure even powder application and curing each time.

Intelligent Heater Control

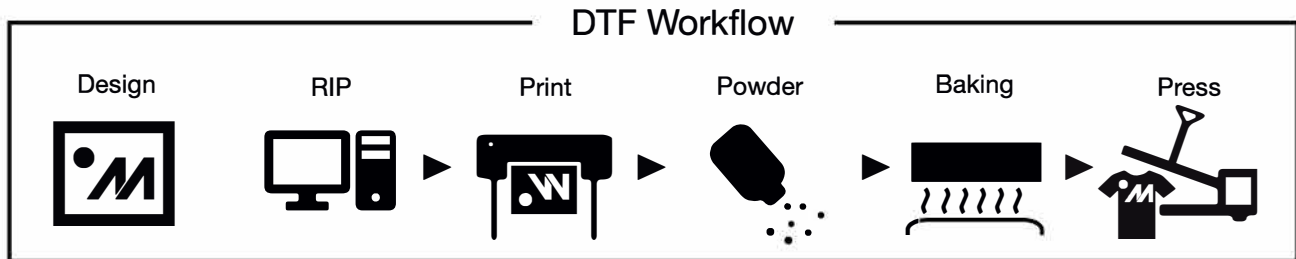
Saves 30% power by automatically turning off heater when reaches desired temperature and prevents film overheating if machine pauses or stops operation.



Features	Other Brands	TX-Y6018 Model	Benefit
All in one PLC control touch panel	-	√	Easy operation and automatic production.
Integrated internal smoke purifier	-	√	More environmentally friendly and stronger smoke purifying capability.
Suction roller design	-	√	Ensure smooth film transportation.
Intelligent powder spray system	-	√	Reduce powder recycling times.
High frequency powder removal	-	√	Higher strength design with reduced sound. Reduces white powder transfer onto dark colored fabrics.
Two sided heater	Only top side	Two sided (Top and bottom)	Heating more efficient for even powder curing on film
Intelligent heating control	-	√	Save 30 % power and prevent film overheat
Auto take-up with tension bar system	-	√	Keeps constant tension for even and stable media take-up. Reduces manual operation.
Powder pre-heating system	-	√	Prevent powder from wet environment
Two side powder recycling	Only one side	Left and right side	Suitable for small space in case recycle box against the wall
Vacuum system	3 stage max	4 stage	Prevent material waste

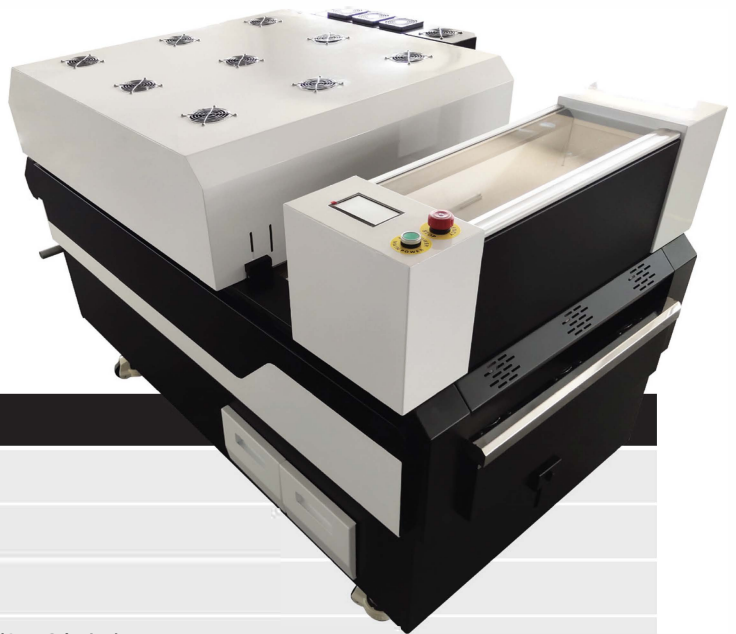
What is DTF (Direct-To-Film)?

DTF or “Direct To Film”, is a printing method in which a design graphic is printed on a special film called DTF film, coated with a hot melt powder, then heat is applied to cure the powder. The resulting transfer sheet can then be heat pressed onto a fabric.



DTF Key Advantages

- No fabric pre-treatment necessary as with DTG
- Print colored natural & synthetic fabrics
- No masking or weeding compared to transfer vinyl
- Print designs with unlimited amount of colors
- Easy application process & durable product



TX-Y6018P

Maximum film width	24" in.
Pre-heat Temperature	0-100°C (0-212°F)
Heater Temperature	0-150°C (0-302°F)
Exhaust	350 m3 / per hour (6 m3/min.)
Power specification	Single-phase (220V AC ± 5%, 50/60 Hz)
Power consumption	Working Mode: 5000W (Energy Saving: 2KW in 1 hour)
Environment	Temperature: 18-30°C (65-86 °F), Humidity: 30-70% RH
Machine size	76" x 45" x 45" in. (LxWxH)
Machine weight	750 lbs.

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