Raster Link 7

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

Template design + Individual variable information → Variable data

NAME	Number
HANA	4
TARO	26

HANA 4
TARO 26
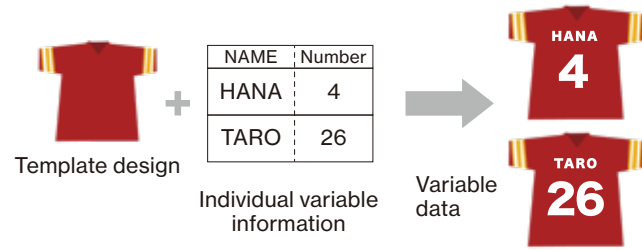
Special color plate generation

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.

Original image — CMYK 0%

1.Whole image
Entire image data is filled with special color

2.Valid pixel
Changes valid color part to special color

3.Fill in contour
Changes inside of image contour to special color

Sustainable Fabric Printing Solution
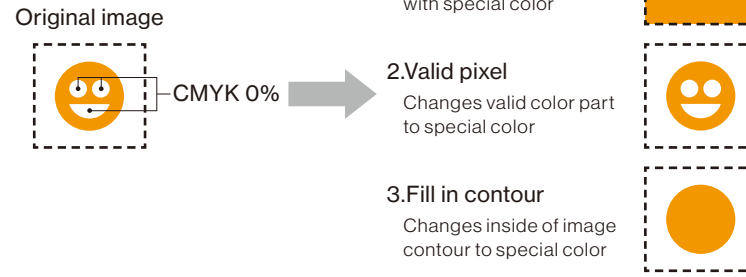
Mimaki Cloud Technology PICT

The printer's operating status and ink usage can be monitored even when the user is away from the printer. It supports planned operations and lets you see the operational status and performance of Mimaki printers, which can be useful for planning purposes. It also enables advanced scheduled maintenance and preparation for ink refills.

Operate machines remotely
MRA (Mimaki Remote Access)

List ink type, heater temperature, and notification alerts on a smartphone or Windows-based PC. The machine can be operated remotely with the same feeling as the control panel of the actual machine.

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.

Specifications

		TxF300-75	TxF300-1600
Print head		On-demand piezo head	
Printing resolution		720 dpi, 1,080 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)	1,610 mm (63.4inches)
Media	Maximum width	810 mm (31.9 inches)	1,620 mm (63.8inches)
	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 ± 1 Hz x 1	
Power consumption		AC 100 V: 1 kW or less AC 200 V: 1.3 kW or less	AC 100 V: 1.3 kW or less AC 200 V: 1.75 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)	2,783×700×1,392 mm (109.6×27.6×54.8 inches)
Weight		126 kg (277.8 lb)	166kg (366.0 lb)

Ink specifications · Ink array

Heat transfer 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 :
TxF300-75/TxF300-1600 | Ink options

C M Y K W W W W | W W W W

■Options
4cartridge additional option：OPT-J0572
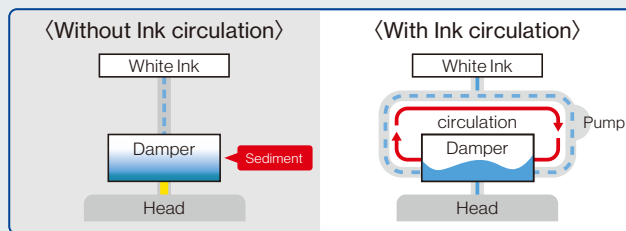Add white ink cartridges allows long-run production

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

Because it is Mimaki

TxF300-1600/ TxF300-75, 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.
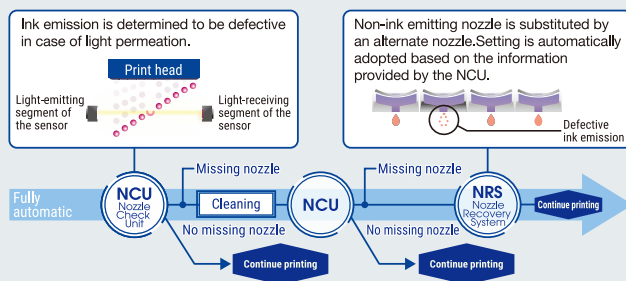
Mimaki's core technologies for stable operation

〈Without Ink circulation〉 〈With Ink circulation〉

White Ink — Damper — Sediment — Head

White Ink — circulation — Pump — Damper — Head

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

Ink emission is determined to be defective in case of light permeation.

Print head

Light-emitting segment of the sensor / Light-receiving segment of the sensor / Defective ink emission

Non-ink emitting nozzle is substituted by an alternate nozzle.Setting is automatically adopted based on the information provided by the NCU.

NCU (Nozzle Check Unit)

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

NRS (Nozzle Recovery System)

Supports continous production without waiting for service personnel, when nozzle defect is unrecovereble by nozzle cleaning.

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

Fully automatic — NCU Nozzle Check Unit — Missing nozzle — Cleaning — No missing nozzle — Continue printing — NCU — Missing nozzle — NRS Nozzle Recovery System — Continue printing — No missing nozzle — Continue printing

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.
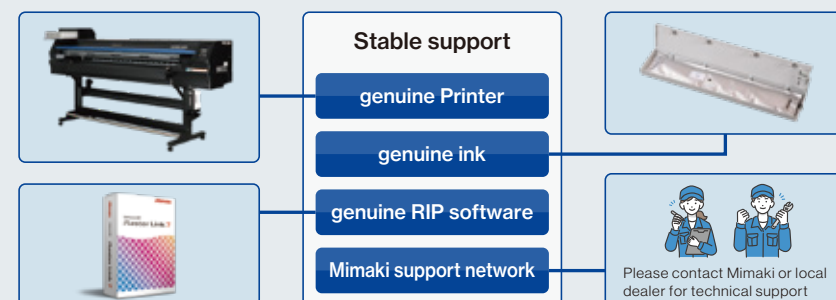
PHT50, Mimaki's first heat transfer pigment ink, has already acquired the "ECO PASSPORT" certification. ECO PASSPORT is an international standard for the safety of textile products. The "Eco Passport" is an international standard for the safety of textile products, and the safety of the ink is certified 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 for printer, ink and RIP software - 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

Please contact Mimaki or local dealer for technical support

Productivity increases! Mimaki's Pro-model DTF printer

Pro-model DTF printer deliveres approx. 3 times productivity of its entry-model. An even wider-pro-model joins the lineup, increasing its produtivity by additional 30%[1]. Expansion of custom T-shirts business is possible in a limited space!
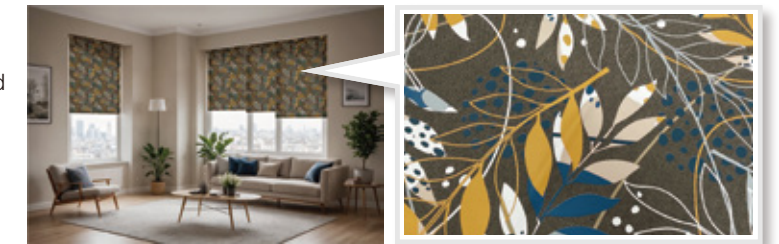
*1 When using full-size DTF films.

Wider-Pro-model TxF300-1600
Width:1,610mm
Large T-shirts 84 pcs/h
Production mode 720×720 6P 10.0 ㎡/h

Pro-model TxF300-75
Width:800mm
Large T-shirts 62 pcs/h
Production mode 720×720 6P 7.5 ㎡/h

Entry-model TxF150-75
Width:800mm
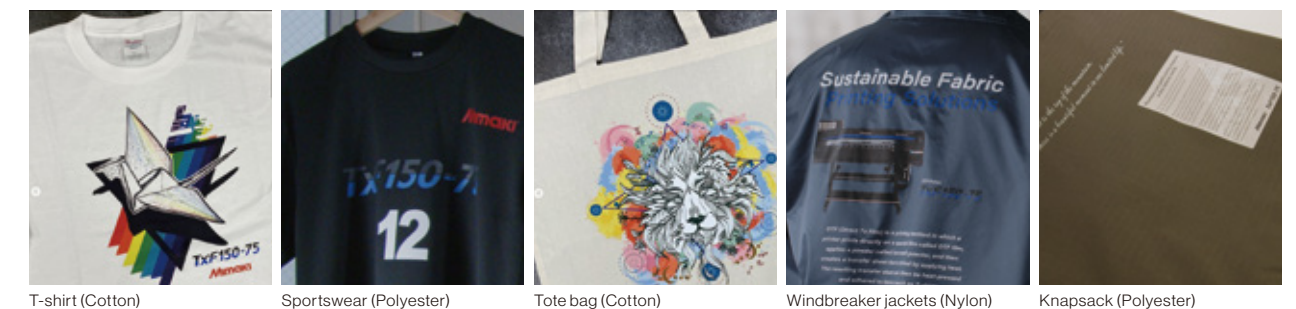Large T-shirts 22 pcs/h
Production mode 720×720 10P 2.6 ㎡/h

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

A wider print size, widers your application

Larger print width further expands the application possibility. In addition to custom wear print on T-shirts and bags, it allows printing on interior fabrics, such as curtains and floor mats. DTF, it creates original design on dark- colored fabrics.

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.

Design → RIP Software (Raster Link7) → Printer (TxF300-1600 /TxF300-75) → Powdering (Hot-melt powder) → Oven drying (Post-processing machine) → Heat press (Heat press transfer machine)

Film (DTF Film) Ink

***Printer, ink and RIP software provided by Mimaki**