

High-speed dye sublimation printer

Mimaki

TS5-1600AMF



Outstanding productivity supports on-demand business

Ultra high-speed continuous dye sublimation printer

Features and benefits

- 1** Head height adjustment prevents head strikes due to cockled transfer paper.
 - 2** Feed thin and flimsy or thick and heavy transfer paper securely via the AMF (Automatic media feeder).
 - 3** Continuous printing with the UISS (Uninterrupted Ink Supply System).
 - 4** Features high density, fast drying sublimation inks for high speed printing and a dedicated RIP.
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■ Head height adjustment to prevent head strikes.

The head height can be adjusted by up to 7mm. This prevents the print heads from striking media deformed by the effects of high density printing.

■ UISS: Enables long and unattended printing.

Two cartridges of the same color are loaded. When one cartridge is empty, the machine automatically switches to the other cartridge of the same color. Change the cartridge "on the fly".

When printing in four color mode 1760 ml (4 x 440 ml) of ink (per color) can be loaded. This enables continuous unattended overnight printing.



■ MBIS (Mimaki Bulk Ink System)

MBIS enables a saving in ink costs and the inks have the same high quality features such as ink emission, stability, color gamut and reliability as Mimaki's ink cartridge system. MBIS is an eco-friendly ink system that produces less waste.

■ Stable high image quality printing with the AMF.

AMF (Automatic media feeder) enables both thin and flimsy media or heavy substrates to be fed and taken up with high accuracy. This ensures high quality and stable prints on a broad range of media.



Automatic Media Feeder

■ Drying speed is increased with a drying fan.

Drying fan is employed in order to enable smooth take-up even when printing at high speed.

■ Automatic nozzle checking.

The status of ink discharge from the print head and any eventual nozzle clogging is quickly detected and cleaned automatically to reduce waste of both media and ink.

■ Ultra high-speed printing for volume orders.

With high resolution of up to 1,440dpi and ultra-high speed of up to 40m²(430sq.ft.)/h*, large orders can be accommodated speedily without compromise on print quality.

*6 pass 540 x 1,080dpi

New generation output software with 16 bit rendering

High performance software RIP helps you utilize the various functions of the TS5-1600AMF

- 16 bit rendering eliminates tone jump and produces fine color reproduction.
- Different images can be laid out freely on the RIP.
- Versatile editing functions such as tiling, trimming, scaling, and rotating are provided.
- The web update function has been newly added to easily achieve both software update and profile download.

RasterLink Pro⁵TA

■ Specification

Item	Specifications	
Print Head	On-demand Piezo head (Array of 4 staggered print heads)	
Maximum printing width	1,620 mm (63.7")	
Printing resolution	540、720、1,440 dpi	
Printing mode (Scan x Feed)	720 x 540 dpi: Bi-directional & uni-directional 540 x 900 dpi: Bi-directional & uni-directional 540 or 720 x 720 dpi: Bi-directional & uni-directional 540 or 720 x 1,080 dpi: Bi-directional & uni-directional 720 x 1,440 dpi: Bi-directional & uni-directional 1,440 x 1,440 dpi: Bi-directional & uni-directional	
Ink	Kind	Exclusive dye sublimation ink: Sb51,Sb52
	Supply	Automatic change of double ink cartridges
	Capacity	4-color mode:440 ml cartridge x 4/color, 1760 ml/color 6-color mode:440 ml cartridge x 2/color, 880 ml/color (M,BL: 440ml cartridge x 4/color, 1760ml/color) 2 liter ink pack can be used with MBIS (only for Sb52)
Media specification	Kind	Transfer papers
	Size	Maximum 1,630 mm (64.1") Minimum 297 mm (11.7")
	Thickness	less than 1.0 mm
	Roll weight	less than 38 kg(83lbs.)
	Printing surface	Face out
Roll diameter	Outside: less than 250 mm(9.8") Inside: 76 mm(3")	
Media cutting	Cutting in Y direction by cutter at the head	
Media heater	3 way intelligent heater(PRE/PRINT/POST)	
Media take-up device	Roll take-up device(standard), inside/outside selectable	
Nozzle checking unit (NCU)	Laser system(Class 1 or below)	
Print gap	1.5 mm to 7mm, step-less & user setting, (automatic detection of media thickness)	
Interface	USB 2.0	
Applicable standard	VCCI Class A, FCC Class A, UL 60950, CE Marking(EMC Directive, Low Voltage Directive), CB Report, RoHS	
Power source specification	AC 200V to 240V ± 10%, 50/60 Hz ± 1Hz 15 A or below	
Power consumption	3,600 VA or below	
Operating environment	Usable temperature: 20°C to 35°C, Humidity: 35 % to 65%Rh, Not condensing	
Outside dimension (W) × (D) × (H)	3,120 x 850 x 1,540 mm (122.9" x 33.5" x 60.7")	
Weight	less than 398kg (877lbs.)	

■ Supplies and options

Item		Item No.
Dye sublimation ink: Sb51	440 ml	SPC-0493-Y,M,BL,K,Lm,Lbl
Dye sublimation ink: Sb52*	440 ml	SPC-0584NK,K,RK,NRK,BL,M,Y,LBL,LM,BB,LBB
	2 liter**	SPC-0585NK,K,RK,NRK,BL,M,Y,LBL,LM,BB,LBB
Cleaning cartridge	220 ml	SPC-0259
Cleaning Bottle kit	1	SPC-0137
Solvent wiper kit	10 pcs	SPA-0125
Waste ink bottle 4L	1	SPA-0128
Cutter blade assembly	1	SPA-0126
F-Box Filter Set	30	SPA-0143

* Sb52 ink has four types of black ink: Normal black(NK),Deep black(K), Reddish black(RK), and Normal Reddish Black (NRK)
** 2 liter ink packs can be used with MBIS

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