2012-04-0011_Brosur-brosur untuk cetak(TS3-1600)_FA.ai 1 25/05/2012 16:22:13

High quality, high speed dye sublimation printer

TS3-1600

MIMAKI

Outstanding cost performance supports on-demand print business

High speed, continuous dye sublimation printer – TS3-1600

Features and benefits

1. Head height adjustment prevents head strikes due to cockled transfer paper
2. Continuous printing with the UISS (Uninterrupted Ink Supply System)
3. New ink with high density, brilliant sublimation transfers and original RIP
4. Outstanding cost performance suitable for starting on-demand print business

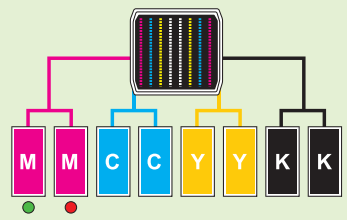
2012-04-0011_Brosur-brosur untuk cetak(TS3-1600)_FA.ai 2 25/05/2012 16:22:20

Head height adjustment to prevent head strickes

The head height can be adjusted to either 2mm or 3mm. For transfer paper, head height adjustment of either 4mm or 5mm* is available.
*Adjustment by technicians is required.

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. Ink cartridge can be replaced "on the fly". This enables continuous unattended overnight printing.



In case of Magenta / A red light is displayed when a cartridge is out of ink and the machine switches automatically to a new cartridge.

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.

Compatible with high print quality and high speed printing

A newly developed high speed print head containing 180 nozzles x 8 lines delivers high speed prints keeping high print quality. Print quality in 4-color bidirectional mode is also improved using a "symmetric ink arrangement".

Print speed

	High speed mode 540 x 720 dpi 4pass Bi-directional	Standard mode 540 x 1080 dpi 6pass Bi-directional	High quality mode 720 x 1440 dpi 8pass Bi-directional
4 color mode	17.5	11.9	7.4
6 color mode	9.0	6.1	3.4

(unit:m²/hour)

Drying speed is increased with automatic drying fan (option)

Drying speed is improved with the use of a post heater and optional drying fan. The take-up device can be used even when printing at high speed.

New high density, brilliant dye sublimation ink: Sb52

Newly developed ink: Sb52 offers high density, brilliant sublimation transfer printing. Bleeding is not likely to occur and a sharp image is realized.
*Bulk ink system with 2 liter ink packs is available in the near future.

New generation output software with 16 bit rendering

High performance software RIP helps you utilize the various functions of the TS3-1600

- 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 Pro5 TA

Specification

Item		Specifications
Head		On-demand Piezo head (180 nozzles x 8 lines) x 1 head
Maximum printing width		1610 mm (63.3")
Printing resolution		540、720、1440 dpi
Printing mode (Scan x Feed)		540 x 720 dpi, 540 x 900 dpi, 540 x 1080 dpi
		720 x 540 dpi, 720 x 720 dpi, 720 x 1080 dpi, 720 x 1440 dpi
		1440 x 1440 dpi
Ink	Kind	Exclusive dye sublimation ink: Sb51,Sb52
	Supply	Automatic change of double ink cartridges
	Capacity	4-color mode:440 ml cartridge x 2/color, 880 ml/color
		6-color mode:440 ml cartridge x 1/color, 440 ml/color
		2 liter ink pack can be used with MBIS (only for Sb52 ink)
Media	Size	1620 mm (63.9")
	Roll weight	less than 25 kg (55.1 lbs.)
	Printing surface	Face out
	Roll inside diameter	2 inch or 3 inch
Media cutting		Cutting on Y direction by cutter at the head
Media heater		Triple stage intelligent heater (Pre/Print/Post)
Media take-up device		Roll take-up device (standard), inside/outside selectable
Interface		USB 2.0
Applicable standards		VCCI Class A, FCC Class A, UL 60950 CE Marking (EMC Directive, Low Voltage Directive), CB Report
Power		AC 100~120V ± 10%, AC 220~240V ± 10%, 50/60 Hz ± 1Hz
Power consumption		Less than 1440 VA
Operation environments		Usable temperature: 20°C to 35°C, Humidity: 35 % to 65%Rh, Not condensing
Dimensions (W×D×H)		2538 x 739 x 1424 mm (99.9" x 29.1" x 56.1")
Weight		160 kg (353 lbs.)

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
Wiper kit	10 pcs	SPA-0134
Waste ink bottle 2L	1 pc	SPA-0117
Cutter blade assembly	1 pc	SPA-0107
Head cleaning cartridge	220 ml	SPC-0188S
Drying and exhaust unit		OPT-J0130

* 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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Mimaki®

PT. MIMAKI INDONESIA

Sales office, Technical Support & Showroom :
Jl. Danau Sunter Barat Blok A.3, No 13,
Jakarta Utara 14350
TEL +6221 6530 7942 FAX +6221 6530 7943

ISO 14001 JACO EC08J0126 UKAS MANAGEMENT SYSTEMS 051
Our factory is certified according to ISO14001:2004

Hotline:
+62 8111 046 340 (Technical Support)
+62 8111 046 341 (Sales & Marketing)
info@mimaki.co.id | www.mimaki.co.id

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