

New generation output software with 16 bit rendering (a standard item)

The high performance RIP software is designed to fully enable all advanced features of the TS3-1600 and TS5-1600AMF printers

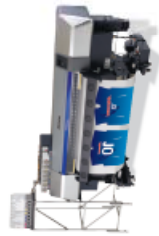


- RasterLink 4-IA**
- 16 bit rendering eliminates tone jump and produces fine colour reproduction
 - Different images can be laid out freely on the RIP
 - Versatile editing functions such as tiling, trimming, scaling, and rotating are provided
 - Able to network in environments where Windows and Macintosh co-exist

Tone jumps are likely to occur. Smooth gradation without tone jumps.

Specifications

Item	TS3-1600 AMF	TS5-1600
Print head	On-demand Piezo head	On-demand Piezo head
Maximum printing width	(array of 4 staggered printheads) 1,620 mm (63.7")	1,630 mm (63.7")
Printing resolution	540 dpi, 720 dpi, 1440 dpi	540 dpi, 720 dpi, 1440 dpi
Print 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 1080 dpi bi-directional & uni-directional 720 x 1440 dpi bi-directional & uni-directional 1440 x 1440 dpi bi-directional & uni-directional	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 1080 dpi bi-directional & uni-directional 720 x 1440 dpi bi-directional & uni-directional 1440 x 1440 dpi bi-directional & uni-directional
Type	Dye sublimation ink: 8051 ink, 8192 ink	Dye sublimation ink: 81951 ink, 8202 ink
Supply	Automatic change of double ink cartridges	Automatic change of double ink cartridges
Ink	4-colour mode: 480 cc cartridges x 4 colour, 3760 cc/colour 6-colour mode: 440 cc cartridges x 2 colour, 880 cc/colour (MIL), 140 cc cartridges x 4 colour, 1760 cc/colour	4-colour mode: 440 cc cartridges x 2 colour, 880 cc/colour 6-colour mode: 440 cc cartridges x 1 colour, 440 cc/colour
Capacity	*With the bulk ink system TS5-1600AMF can hold up to 96 x 2 L bags (4 colour)	*With the bulk ink system TS3-1600 can hold up to 8 x 2 L bags (4 colour)
Type	Transfer papers	Transfer papers
Size	Maximum: 1,620 mm (64.7") Less than 1.0 mm	Maximum: 1,620 mm (63.7") Less than 1.0 mm
Thickness	Less than 38.5g (0.31 lb)	Less than 25.5g (0.51 lb)
Printing surface	Face out	Face out
Roll diameter	Outside: less than 250 mm (9.7") Inside: 76 mm (3")	Inside: 50.8 mm (2") or 76 mm (3")
Media cutting	Cutting in Y direction by heater at the head 3 way (intelligent heater (pre/post))	Cutting in Y direction by cutter at the head 3 way (intelligent heater (pre/post))
Media roller	Roll take-up device (standard), metal-cylinder selectable	Roll take-up device (standard), metal-cylinder selectable
Media take-up device	Laser system (dism. 1 or below)	N/A
Nozzle checking unit (NCU)	1.5 mm to 7 mm, step-less & user setting (automatic detection of media thickness)	2, 3, 4 or 6" mm (adjustment by technician is required)
Print/rip interface	USB 2.0	USB 2.0
Applicable standard	VOCI data A, FCC class A, UL60960, CE Marking (EMC Directive, Low Voltage directive), CE report, RoHS	VOCI data A, FCC class A, UL60960, CE Marking (EMC Directive, Low Voltage directive), CE report, RoHS
Power source specifications	AC 200V to 240V ± 10%, 60/50Hz ± 1Hz 15 A or below	AC 200V to 240V ± 10%, 60/50Hz ± 1Hz
Power consumption	3,000 W or below	1,440 W or below
Operating environment	Umbrella temperature: 20°C to 30°C, Humidity: 35% to 65%rh (no condensation)	Umbrella temperature: 20°C to 30°C, Humidity: 35% to 65%rh (no condensation)
Dimensions (W x D x H)	3,200 x 680 x 1,540 mm (122.0" x 33.5" x 60.7")	3,258 x 778 x 1,424 mm (128.0" x 30.6" x 56.1")
Weight	Less than 360 kg (877 lbs)	360 kg (883 lbs)



TS5-1600AMF

Maximum printing width
1,620 mm



TS3-1600

Maximum printing width
1,610 mm

* Some of the samples in this folder are artificial renderings. Specifications, design and dimensions stated in this folder may be subject to change without notice (for technical improvements, etc.). The corporate and merchandise names written on this folder are the trademarks of the respective corporations. Inkjet printers print using extreme fine dots so colours may vary after replacement of the printing heads. Also note that if using multiple printer units, colours could vary slightly from one unit to other unit due to slight individual differences. © Compositor's errors reserved

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- DYE SUB**
- 1630 MM**
- 1440 DPI**
- 4/6 COLOURS**
- 40 MPH HIGH-SPEED**
- Bulk Ink System**
- Auto Nozzle Checking**
- Automatic Media Feeder**

TS5-1600AMF

TS3-1600



Ultra high speed and quality – with Mimaki reliability

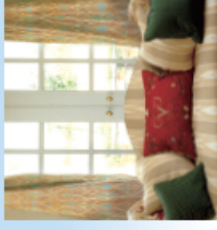
Mimaki's Sublimation Printers for Apparel

Print and transfer to polyester based fabrics

MARKET
 TEXTILES & APPAREL

Expanding business opportunities with innovation

Mimaki's dye sublimation transfer printers offer print companies great creative potential and new revenue opportunities. They are especially suited for personalised and on-demand jobs for apparel applications, such as sports- and swimwear, workwear, jackets, scarves, ties, and furnishing type of applications.



Ultra High Speed and Quality — with Mimaki Reliability

- Ultra high speed for on-demand business (TSS: 40 m²/h)
- Long unattended print runs with UISS (Uninterrupted Ink Supply System) and MBIS (Mimaki Bulk Ink System)
- Fast drying and high density dye sublimation ink (4 and 6 colours)
- Automatic nozzle failure detection and recovery system (TSS)
- Feed heavy rolls of transfer paper and thin and flimsy media securely with the automatic media feeder (TSS)

Dye Sublimation Printing
In dye sublimation transfer printing, the image is printed onto transfer paper. The type of paper depends on your printer, your ink and the output you need. A high speed printer such as the TSS-1600 requires a fast drying transfer paper. After printing, a heat press or a calendar is needed to fix the image onto the substrate. This process causes the dye particles of the image to sublimate.

Dye Sublimation Ink
Mimaki's sublimation prints give high durability, even after washing and dry cleaning. Select the type of dye sublimation ink you need: SB51 ink for photographs and SB52 for brilliant colour expression, including high density black printing for sportswear and apparel.



High quality at an affordable price

TS3-1600

TS3-1600
Enter the apparel sublimation market with the high quality and affordable TS3-1600 sublimation printer.



Ultra high speed

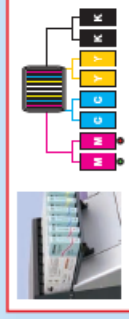
TSS-1600AMF

TSS-1600AMF
TSS-1600AMF apparel sublimation printer for production with ultra high speeds.



Long Print Runs

Uninterrupted Ink Supply System (UISS)
When an ink cartridge runs out, another cartridge automatically begins to supply ink. Ink cartridges can be changed during printing and unattended overnight continuous printing is made possible. The UISS can be used in 4 colour mode.

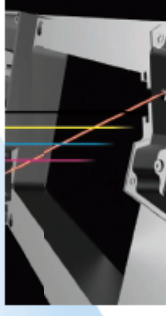


Mimaki Bulk Ink System (MBIS)
The Mimaki Bulk Ink System (MBIS) ensures long continuous printing.

- The TS3-1600 can hold a maximum of 8 x 2L bags (4 colours)
- The TSS-1600AMF can hold a maximum of 16 x 2L bags (4 colours)

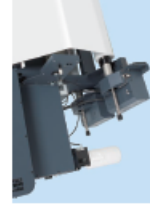
Automatic Nozzle Checking (TSS)

The automatic nozzle failure detection monitors the ink discharge of the print head and detects and cleans clogged nozzles.



Head Height Adjustment

The thickness of the media is automatically detected (TSS) and the head height can be adjusted in three (TS3) or four steps (TSS) from 2 mm up to 5 mm for TS3-1600 and up to 7 mm for TSS-1600AMF to suit media thickness and to ensure smooth media handling.



Automatic Media Feeder



Automatic Media Feeder

Automatic Media Feeder

The TSS-1600AMF is equipped with a feeding and take-up system (AMF) that enables smooth media handling for heavy rolls of transfer paper and thin and flimsy media up to 38 kg. The TSS-1600 is equipped with a standard take-up device that can hold media up to 25 kg.

Speed

4-colour mode

TSS-1600AMF	540 x 1080 dpi	6 pass / high	40.1 m ² /h
TSS-1600	540 x 1080 dpi	6 pass / high	12.3 m ² /h

6-colour mode

TSS-1600AMF	540 x 1080 dpi	12 pass / high	20.7 m ² /h
TSS-1600	540 x 1080 dpi	12 pass / high	6.3 m ² /h

* The TSS-1600 can reach a top speed of 117.5 m²/h (540 x 720 dpi, 4 pass)



Printing and Cutting in One Machine

Printer-Cutter for Sports Apparel

