



**DYE SUB  
SOLVENT**

**1030  
MM**

**1440  
DPI**

**4/6  
COLOURS**

**15.1 M<sup>2</sup>/H  
TOPSPEED**

**10.3 M<sup>2</sup>/H  
STANDARD**

**Auto switch  
Print/Cut**

**UISS**



Printing and cutting in one machine

# Integrated Apparel Printer/Cutter

Print, cut, and transfer your designs onto uniforms, workwear, swimsuits, sportswear, t-shirts, and more

MARKET  
TEXTILES & APPAREL

Expanding business opportunities with innovation



**Printing and cutting in one machine to heat transfer your fashionable design to shirts, uniforms, sportswear and other apparel type of applications.**

## The Process

In dye sublimation or solvent transfer printing, the image is printed onto transfer media. The type of media depends on your printer, the type of ink and the output you need. Dye sub ink requires a transfer paper, while solvent ink requires a heat transfer flexible vinyl. After printing, a heat press or calendar is needed to fix the image onto the substrate.

## SB51 or SB52 Sublimation Inks

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.

## Fast Printing

The TPC-1000 is capable of printing 15.1\* m<sup>2</sup>/h (top speed) and 10.3\*\* m<sup>2</sup>/h in standard mode.

\*540 x 720 dpi (4 colours) \*\*540 x 1080 dpi (4 colours)

## Precise Contour Cutting

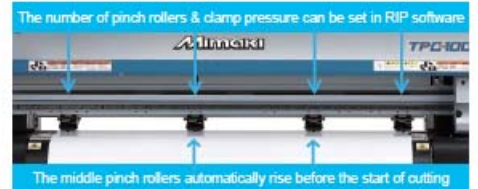
The Continuous Crop Mark Detection function automatically reads the registration marks on the print to precisely position the cutter. It enables you to easily create letters and precise contour shapes to be transferred to apparel applications.

## Uninterrupted Ink Supply System

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.

## Unattended Print & Cut Operation

The number of pinch rollers and clamp pressure can be adjusted in the Mimaki RIP software. The clamp pressure is then automatically changed to suit the media. The TPC-1000 can automatically switch from printing to cutting, which allows for an unattended operation.



## User Friendly Software Included

The TPC-1000 is bundled with FineCut 7 and Rasterlink Pro 4 RIP software to meet all your professional needs. Mimaki's easy-to-operate design creation software is also included.

## Ink Types For Transfer Paper and Heat Transfer Vinyl

**Dye Sublimation Ink : Perfect for Swimwear & Uniforms**

Mimaki's dye sublimation inks can be heat transferred to various polyester based materials, such as uniforms, workwear, swimwear, and other sportswear.

**Solvent Ink : Perfect for T-shirts & Baseball Caps**

After the image is printed with Mimaki's solvent inks on heat transfer vinyl, the shape can be cut and fixed onto a polyester or cotton fabric, such as t-shirts and baseball caps.

## Specifications

Item		
Maximum print/cut width		1,020 mm
Print resolution		540 dpi, 720 dpi, 1440 dpi
Print 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	Type	Dye sublimation ink : Sb51 Ink, Sb52 Ink Solvent Ink : SS21 Ink, ES3 Ink
	Capacity	4-colour mode : 440 cc cartridge x 2/colour, 880 cc/colour 6-colour mode : 440 cc cartridge x 1/colour, 440 cc/colour
Media	Size	Up to 1,030 mm
	Thickness	Less than 1.0 mm
	Roll weight	Less than 25 kg (55 lbs.)
	Roll diameter	Inside: 2 inch, 3 inch / Outside: Less than ø 180 mm (7.1") 30 cm : 11.8"/s (42 cm : 16.5"/s at the angle of 45)
Maximum cutting speed		30 cm : 11.8"/s (42 cm : 16.5"/s at the angle of 45)
Cutting force		10-350 g
Applicable tools		Cutter, Water based ball-point pen, Oil based ball-point pen
Media cutting		Cutting in Y direction by cutter on the head
Media heater		Pre/print/post heater
Media take-up device		Roll take-up device (standard), Inside/outside selectable
Command		MRL-III, MGL-IIc2
Interface		USB 2.0
Applicable standard		VCCI class A, FCC class A, UL60950, CE Marking (EMC directive, low voltage directive), CB report
Power		AC100V~240V, Less than 1,380VA
Operating environment		20°C ~ 35°C, 35 ~ 65%Rh (no condensation)
Dimensions (W x D x H)		1,934 x 739 x 1,424 mm (76.1" x 29.1" x 56.0")
Weight		130 kg (286 lbs.)

## Options

Item	Item No.
Drying and exhaust unit 100	OPT-J0176
Static cling prevention net	OPT-J0186
Front cover 100C	OPT-J0184
Sheet basket 100	OPT-J0190

## Supplies

Item	Item No.	
Sb51 dye sublimation Ink	440 cc	SPC-0493Y/M/BLK/LM/LBL
Sb52 dye sublimation Ink	440 cc	SPC-0584Y/M/BLK/LM/LBL
SS21 solvent Ink	440 cc	SPC-0501Y/M/C/K/LM/LC
	220 cc	SPC-0504W-2
ES3 eco solvent Ink	440 cc	SPC-0404Y/M/C/K/LM/LC
Wiper kit 33S	10 pcs	SPA-0134
Waste Ink bottle (2L)	1 pc	SPA-0117
Cutter blade Assy	1 pc	SPA-0107
Head cleaning cartridge (for dye sublimation Ink)	220 cc	SPC-0188S
MS cleaning cartridge (for solvent Ink)	220 cc	SPC-0294
Cutter holder (standard accessory)	1 pc	SPA-0001
Cutter holder	1 pc	SPA-0090
Blade for vinyl and paper	3 pcs	SPB-0001
Standard blade for vinyl	3 pcs	SPB-0030
Blade for small character	3 pcs	SPB-0003
Blade for reflective sheet	2 pcs	SPB-0006
Blade for fluorescent type vinyl	3 pcs	SPB-0007

## Related Product



Cut your decal / transfer with Mimaki's affordable CG-60 cutter.

## Included Software



• 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 trademark 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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