Mimaki
AUTHORISED PARTNER

TS100-1600

DYE SUBLIMATION PRINTER

Sustainable Fabric Printing Solution

EXPERT PRINTING
MADE EASY

Width: 1.6m

SOURCE OF
DIGITAL SOLUTIONS

Welcome to Digital Star, your trusted partner in the world of cutting-edge printing solutions. As a leading printing machines, materials, and ink authorized dealer in Riyadh – Saudi Arabia (KSA), we pride ourselves on delivering state-of-the-art technology that empowers to achieve unparalleled levels of efficiency and quality.

At Digital Star, we understand the pivotal role that printing machinery plays in the success of your operations. With a commitment to innovation and excellence, we curate a diverse range of top-tier printing machines to meet the unique needs of our clients. Our product line-up reflects the latest advancements in the industry.

As a responsible printing machines supplier, we prioritize sustainability. Our commitment to eco-friendly practices is reflected in the products we offer, promoting energy efficiency and environmentally conscious manufacturing processes. When you choose Digital Star, you're not just investing in cutting-edge technology – you're partnering with a company that values the planet as much as your success.

Best A Grade Quality & Innovative Products

TS100-1600

LOW COST.
HIGH RETURN.

Mimaki's unique Core Technologies ensure
UNATTENDED, CONTINUOUS PRINTING OPERATION COMBINED WITH THE VERY HIGHEST IMAGE QUALITY

EXPERT PRINTING MADE EASY.

- Well-balanced entry-level models with excellent operational performance, image quality, speed and cost -
  100 Series: Sublimation transfer inkjet printer

With two newly developed heads, the TS100-1600 has pursued high quality, high productivity, & stable operation as a Sublimation transfer inkjet printer. Achieves about twice the high-speed printing of conventional machine for textiles*.

In addition to NCU (Nozzle Check Unit), NRS (Nozzle Recovery System) and MAPS4 (Mimaki Advanced Pass System 4), which enable stable high quality printing, the DAS (Dot Adjustment System) was incorporated into the new "100 series" printers. Dot position and feed correction, which used to take a lot of time and effort to do manually, can now be done automatically, reducing the workload on the operator.

STABLE PRODUCTION

NCU
Nozzle Check Unit automatically checks nozzles and cleans them if required.

NRS
Nozzle Recovery System automatically substitutes defective nozzles to allow uninterrupted

AUTOMATIC WIPER
performs quick and effective cleaning of the print head, keeping the nozzles in top condition and reducing daily

HIGH IMAGE QUALITY

MAPS4
Mimaki Advanced Pass System reduces banding by dispersing ink drops between passes.

WFC
Waveform Control utilises finely tuned frequencies to precisely shape and place individual ink drops.

VARIABLE DOT
enables the printer to print in 3 different dot sizes to create high quality images with smooth gradations.

The Mimaki TS100-1600 provides a unique opportunity for textile production companies to meet the demands of the rapidly growing sublimation market. Offered at an entry-level price and with an incredible maximum speed of 70m^2/h, the TS100-1600 sets a new standard in dye sublimation printing. By delivering the best price/performance ratio in the market, it is an absolute game-changer!

NEW DOT ADJUSTMENT SYSTEM (DAS)

Introducing Mimaki's easy-to-operate Dot Adjustment System (DAS), which automatically performs bi-directional and media feed adjustments. This eliminates the need for manual adjustments, saving time and improving overall productivity.

*DAS may not be compatible with some media such as coloured, transparent, and embossed substrates.

With DAS

Incorrect bi-directional drop landing position

Overlap / black streaks (Insufficient paper feeding)

Gap / white streaks (Excessive paper feeding)

Correct drop landing position and paper feeding ensures the highest print quality

HIGH DENSITY, ECO-CERTIFIED SUBLIMATION INK

Sb610 ink

Newly available in competitively priced 1L bottles, Mimaki's Sb610 inks enable businesses to grow profi tably and effectively. ECO PASSPORT certifi ed by Oeko-Tex® (an independent verifi cation process demonstrating the safety for use in sustainable textile production), Mimaki Sb610 inks offer strong environmental credentials and high colour yield.

OEKO-TEX®
CONFIDENCE IN TEXTILES

ADVANCED RIP SOFTWARE

Raster Link 7

The TS100-1600 comes with Mimaki's user-friendly RIP software, Rasterlink 7, as standard, featuring:

1. New HARLEQUIN RIP core for more accurate handling of PDF fi les with shadows and transparencies.

2. Up to 25% faster processing of complex PDF fi les.

3. Variable data printing to easily create a series of prints with dynamic variations of texts and photos.

4. Improved user interface and screen effi ciency.

CREATE:
Fashion | Apparel | Soft Signage | Home Furnishings | Textile Graphics | Point of Sale | Sublimated Products | Promotional Items and much more...

POWERFUL TEXTILE RIP SOFTWARE FOR PROFESSIONAL USE

Available as option, the new Mimaki TxLink4 textile RIP software enables a more effi cient, seamless textile print production.

TxLink™4 Lite

■ Smoother gradation with 16-bit rendering

TxLink3 8-bit rendering   **TxLink4** 16-bit rendering

■ Simultaneous RIP and print of multiple jobs

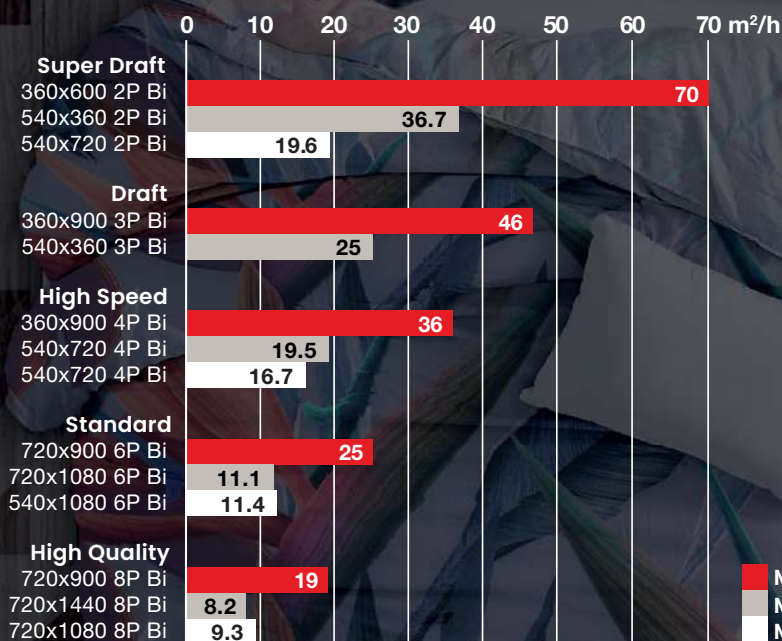The TxLink4 allows simultaneous RIP processing of up to 8 jobs with various print data.[1]

Using the Print Job Pool feature, a large number of copy prints can be done simultaneously on multiple printers with the same model and ink set.[1][2]

(1) Additional printer licenses corresponding to the number of connected printers are required.
(2) Simultaneous RIP does not work if two or more images are arranged in one print job.

DOUBLE YOUR PRODUCTIVITY

With a maximum print speed of 70m²/h, the Mimaki TS100-1600 is almost twice as fast compared to our previous sublimation models. It also delivers an average production speed of 36m²/h, setting a new price/performance ratio standard in dye sublimation printing.

	0	10	20	30	40	50	60	70 m²/h

Super Draft
360x600 2P Bi — 70
540x360 2P Bi — 36.7
540x720 2P Bi — 19.6

Draft
360x900 3P Bi — 46
540x360 3P Bi — 25

High Speed
360x900 4P Bi — 36
540x720 4P Bi — 19.5
540x720 4P Bi — 16.7

Standard
720x900 6P Bi — 25
720x1080 6P Bi — 11.1
540x1080 6P Bi — 11.4

High Quality
720x900 8P Bi — 19
720x1440 8P Bi — 8.2
720x1080 8P Bi — 9.3

01 Average production speed of 36m²/h!

02 Twice as fast as previous models!

03 Best price / performance ratio!
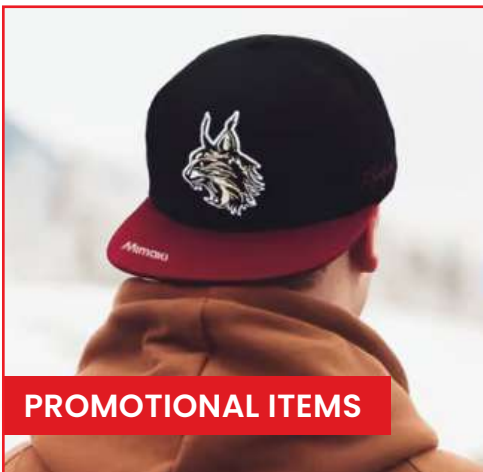
■ Mimaki TS100-1600
■ Mimaki JV150-160
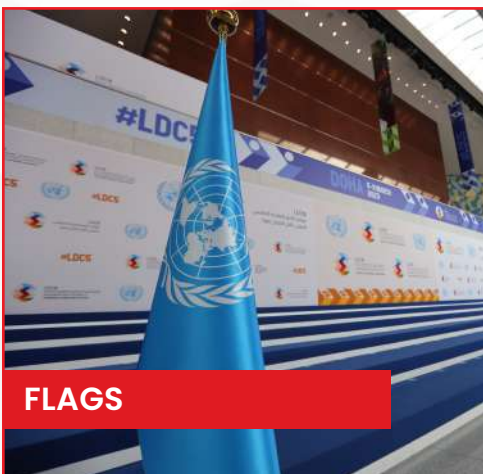□ Mimaki TS30-1300

Product Samples

FASHION

SOFT SIGNAGE

PROMOTIONAL ITEMS

CERAMICS

FLAGS

HOME & INTERIOR

Specification

Print Head	On-demand piezo head (2 staggered printheads)	
Print Resolution	360 dpi, 600 dpi, 720 dpi, 900 dpi	
Ink	Type/ Color	Sb610 (BL, M, Y, K)
	Package size	1L ink bottle
Maximum print width	1,610mm	
Media	Max. Width	1,620mm
	Thickness	Up to 1mm
	Roll diameter	Up to 250mm
	Roll weight	Up to 45kg
Interface	USB2.0 / Ethernet 1000BASE-T	
Power supply	Single-phase (AC100~120V / AC200~240V $\pm$ 10%, 50/60Hz $\pm$ 1Hz)	
Power consumption	AC100V: 1.44kW or less / AC200V: 1.92kW or less	
Safety standards	VCCI class A, FCC Class A,	
	CE Marking (EMC Directive, Machinery and Low Voltage Directive),	
	CB Certifi cation, RoHS, RCM, EAC, Energy Star	
Operational environment	Temperature: 20-30°C / Humidity: 35-65% Rh (Non-condensing)	
Dimensions (W×D×H)	2,775 x 700 x 1,475mm	
Weight	166kg	

*Specifications are subject to change without prior notice, all rights reserved

Consumables

Item code	Description	Volume	Remarks
SB610-XX-BA-1	Sb610 dye sublimation ink	1000ml bottle	BL, M, Y, K
C-ML003-Z-BA-1	Flushing liquid 03	1000ml bottle	For flushing of ink lines
C-FL003-Z-22-1	Cleaning liquid 03	220ml cartridge	For maintenance purpose

Options

Item code	Description	Remarks
OPT-J0351	Drying fan 160	Requires drying fan connection kit (OPT-J0512) to install
OPT-J0512	Drying fan connection kit	Required for the installation of Drying Fan 160 (OPT-J0351)
OPT-J0353	Exhaust kit 160	
OPT-0355	Static prevention sheet	
STX-0010	TxLink4 Lite	

Specifications, designs & dimensions in this list may be subject to change without notice due to technical improvements or other modifications.

SYSTEM REQUIREMENTS (PC's)

Operating System*	Windows 10 (64 Bit) or Later
Processor	i7 - 2.6 GHz or faster
Memory (RAM)	Min. 8GB or More
Video Card and Monitor(VGA)	1280x1024 or Higher Resolution is Recommended
Working Hard Disk Space	1 TB SSD or more recommended
Graphics Card	2GB or more (Optional)
Optical drive	DVD-ROM
Other requirements	Ethernet connection for network capable printers
	Available USB ports and PCIE Slot
Recommended Brand	Lenovo / Dell

* Note: You can use a laptop or desktop computer

* Use the original operating system and software. If you are using pirated operating system or software, we are not responsible for any damage to Machine workings, and also the warranty terms will become void.

POWER REQUIREMENTS

Voltage Regulator	5000W Stabilizer

TS100-1600
DYE SUBLIMATION PRINTER

Terms and Conditions

01. Payment to be made in SAR currency.

02. Payment Terms : As mentioned in Quotation.

03. Bank Charges: Any bank charges relevant to the above transactions will be to your account.

04. Any charges, duties, taxes or levies at the ports of entry will be to our account.

05. The charges of loading, boarding and local conveyance of the technician will be to our account.

06. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.

07. Digital Star Machinery and Equipments will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents & any related reasons, which is beyond our control.

08. Warranty will be 12 months from the date of installation from Digital Star Machinery and Equipments. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services from Digital Star Machinery and Equipments.

09. Service will be free of cost within 12 months from the date of installation.

10. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.

11. Delivery: As mentioned in quotation

شركة النجم الرقمي للآلات و المعدات

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