

Mimaki
AUTHORISED PARTNER

TS100-1600

DYE SUBLIMATION PRINTER

Sustainable Fabric Printing Solution

EXPERT PRINTING
MADE EASY



Fabric
Printer

Width: 1.6m

DIGITAL STAR QATAR
ديجيتال ستار قطر

SOURCE OF DIGITAL SOLUTIONS

Digital Star Qatar has been leading the digital solution in Doha, for more than 10 years as a supplier and distributors for the digital sector. Our commitment to providing the best quality machinery with advanced technology, which can help your business to expand more with successful outcomes.

The world has enabled us the opportunity to set ultra-standards in signages and digital printing industries. DSQ has developed into a true trendsetter and a reliable destination for customers seeking wholesale solutions. We help the sectors like sign makers, digital print houses, POS/POP makers, fit-out companies, event managements, and glass & aluminium fabrication industries. we promise to take your business to stand head.



***Best A Grade Quality &
Innovative Products***



**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 70m²/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.



Incorrect bi-directional drop landing position



Overlap / black streaks (Insufficient paper feeding)



Gap / white streaks (Excessive paper feeding)

With DAS



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 profitably and effectively. ECO PASSPORT certified by Oeko-Tex® (an independent verification 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 files with shadows and transparencies.
2. Up to 25% faster processing of complex PDF files.
3. Variable data printing to easily create a series of prints with dynamic variations of texts and photos.
4. Improved user interface and screen efficiency.

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 efficient, seamless textile print production.

TxLink4™ 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⁾

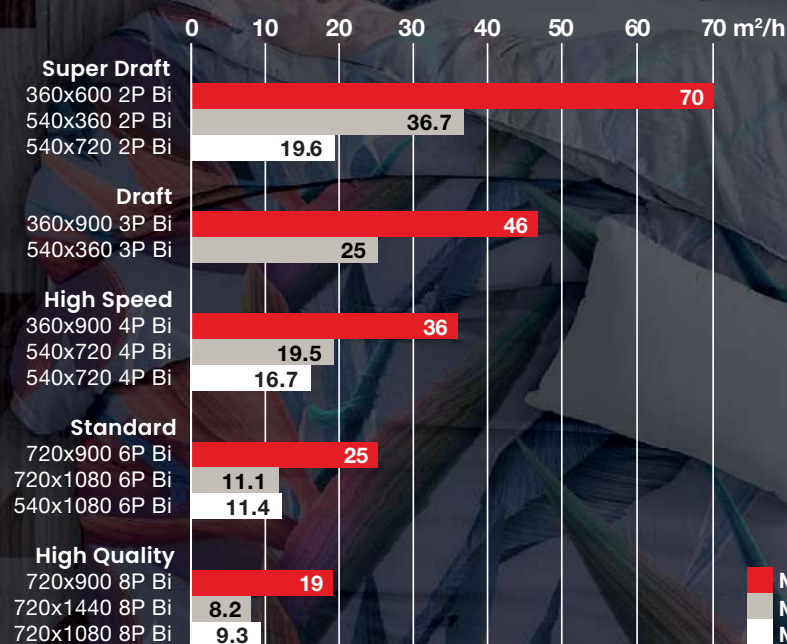
Using the Print Job Pool feature, a large number of copy prints can be done simultaneously on multiple printers with the same model and ink set.⁽¹⁾⁽²⁾

(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.



■ Mimaki TS100-1600
■ Mimaki JV150-160
■ Mimaki TS30-1300

01 Average production speed of 36m²/h!

02 Twice as fast as previous models!

03 Best price / performance ratio!

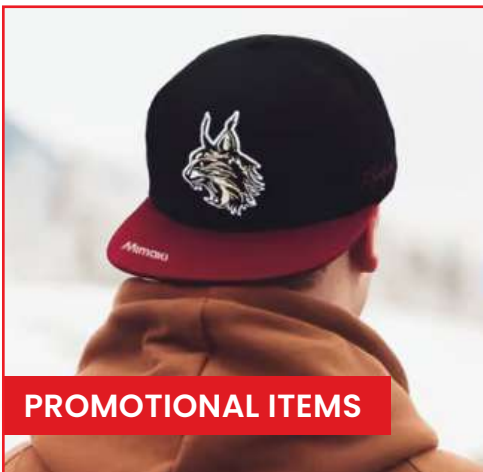
Product Samples



FASHION



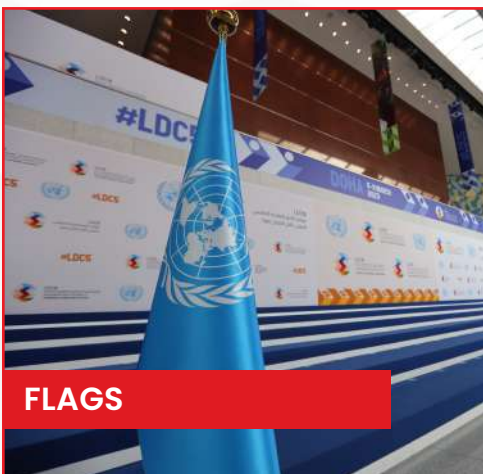
SOFT SIGNAGE



PROMOTIONAL ITEMS



CERAMICS



FLAGS



HOME & INTERIOR

Product Samples

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 Certification, 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)

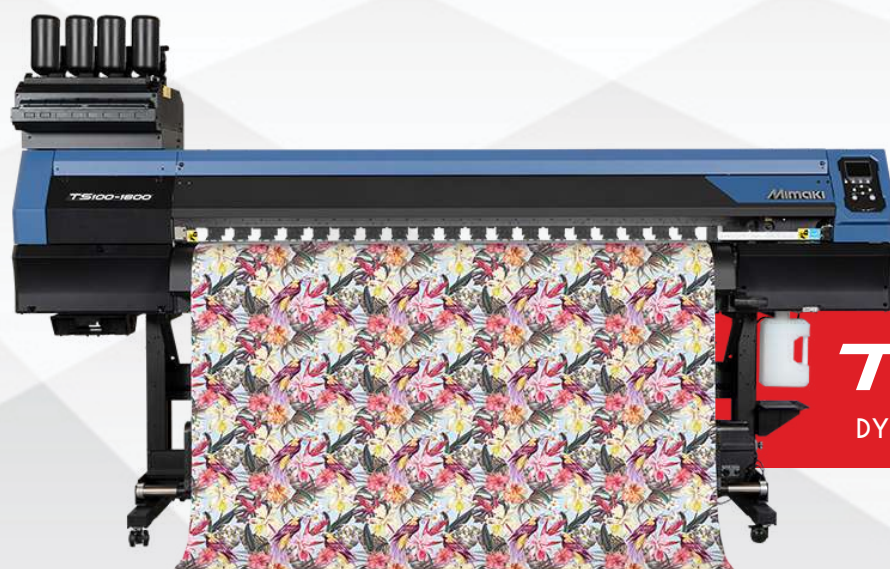
Operating System*	Windows 10 (64 Bit) or Later
Processor	i7 - 2.6 GHz or faster
Memory (RAM)	Min. 8GB or More
Video Card and Monitor(VGA)	1280x1024 or Higher Resolution is Recommended
Working Hard Disk Space	1 TB SSD or more recommended
Graphics Card	2GB or more (Optional)
Optical drive	DVD-ROM
Other 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
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TS100-1600
DYE SUBLIMATION PRINTER

Terms and Conditions

1. Payment to be made in QR currency.
2. Payment Terms: As mentioned in Quotation.
3. Bank Details:

Bank Name	Branch	Beneficiary Name	Acc #	Swift Code
Qatar Islamic Bank	Al Khour Branch	Digital Star Qatar	0111453200015	QISB - QAQA
IBAN: QA16QISB000000000111453200015				

4. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
5. Any charges, duties, taxes or levies at the ports of entry will be to our account.
6. The charges of loading, boarding and local conveyance of the technician will be to our account.
7. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.
8. Digital Star Qatar will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents and any related reasons, which is beyond our control.
9. The warranty will be 12 months from the date of installation from Digital Star Qatar. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services from Digital Star Qatar.
10. Service will be free of cost within 12 months from the date of installation.
11. 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.
12. Delivery: As mentioned in quotation

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