Mimaki
AUTHORISED PARTNER

Tx300P-1800 MkII

NEW HYBRID DIGITAL TEXTILE PRINTER

Both Textile and Paper Printing
—

EXPERT PRINTING
MADE EASY

Width: 1.9m

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

THE ALL-IN-ONE TEXTILE SOLUTION

PRINT ON TEXTILE AND PAPER WITH ONE MACHINE

THE TX300P-1800 MKII PRINTER

Uniquely designed with versatility at its core, this printer enables both direct-to-textile and transfer printing. Combined with interchangeable print platen and three different dual ink combinations, it offers unrivalled flexibility within a single system. It affords all of the well-known benefits of digital print technology, including more cost-effective short runs and faster turnarounds. Such benefits are not attainable using analogue print methods, which are still prevalent in the modern textile printing industry; benefits that make this technology also ideal for sampling.

Unique features

Versatility in fabrics
Hybrid printer, boasting both direct-to-textile and sublimation transfer print capabilities.

Flexibility in technology
Unique in the textile printing market today is the possibility to change from direct printing to sublimation paper printing by installing an easy-to-click vacuum platen.

Unique high head gap
Accurate dot placement even when using a higher print head gap.

MBIS3-2L INK SUPLY SYSTEM
Large ink supply system designed for a volume production.

NEW

HYBRID INK FUNCTIONALITY
Capable of printing dual ink combinations

NEW

EXCHANGABLE PLATEN SYSTEM
Capable of printing on fabrics or paper

INDUSTRIAL PRINT HEADS
High print speed
High head gap up to 7mm

COLOR LCD PANEL
Easy setup and control

MAINTENANCE AREA
Easy access to cleaning area

USB2.0 & ETHERNET
Multifunctional connection

Tx300P-1800MkII Mimaki

190CM

TAKE-UP BAR
Maintains tension and prevents media wrinkling during take up

MEDIA TAKE-UP DEVICE
Intuitive roll to roll media handling with winding capacity up to 45kg

VACUUM PLATEN STORAGE
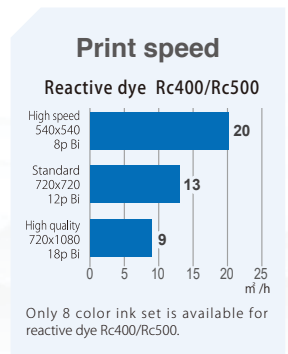Easy way to store the vacuum platen when not in use

Print speed

Reactive dye Rc400/Rc500

High speed 540x540 8p Bi		20
Standard 720x720 12p Bi		13
High quality 720x1080 18p Bi		9

0 5 10 15 20 25 ㎡/h

Only 8 color ink set is available for reactive dye Rc400/Rc500.

One way and Hybrid are available.

One way

One way ink set (1 type of ink is loaded)

Versatile use and ink type for direct printing in accordance with material and purpose.

Four colors for high productivity
Six/seven/eight colors for **superior expressiveness.**

Rich variety of ink types in One way for any printing application

Ink type	Color	Feature	Media(Textile)	Pre-treatment	Post-treatment	Application example
Direct sublimation Sb420	Bl, M, Y, K, Lbl, Lm	Ink for direct sublimation print. It allows to print directly onto textile.[1]	Polyester	Necessary	Heating / Washing	Soft sign / Sports apparel / Fashion apparel
Disperse dye DD400	C, M, Y, K, R, Violet, Pink, Gray	High color fastness is achieved by dispersing dye particles in water with dispersant and heating at a high temperature to fix the color.	Polyester / Nylon	Necessary	Steaming (heat + water) / Pressure treatment / Washing	Industrial textile / Home fabrics / High-class apparel
Textile pigment TP400	C, M, Y, K, R, Bl, Lk	Ink containing binder (bonding agent) to fix the pigment to fibers by applying heat. As this ink requires only the heat-fixing process after print, the post-process equipment can be simplified.[1,2]	Cotton / Hemp / Other textiles [3]		Heating	Apparel / Home fabrics / Fashion articles
Reactive dye Rc400,Rc500	C, M, Y, K, Lk, R, Bl, Or	It provides excellent color development and color reproducibility. Combination of dyestuff molecules and fibers delivers superior water resistance, scratch resistance, and light resistance.	Cotton / Hemp / Silk / Rayon	Necessary	Steaming (heat + water) / Washing	Apparel / Home fabrics
Acid dye Ac400	C, M, Y, K, Lk, R, Bl, Or	Property of acid is utilized to vividly dye animal-based materials such as wool, leather and silk as well as nylon and other protein-based man-made fibers.	Wool / Leather / Silk / Nylon	Necessary	Steaming (heat + water) / Washing	Apparel / Home fabrics

*1: Post-processing such as steaming and washing may be necessary depending on the print conditions.
*2: Beautiful results can be achieved even in high-density color print by performing pre-processing.
*3: It is available to print other textiles than cotton / hemp with pre-treatment. Be sure to make a test print in advance.
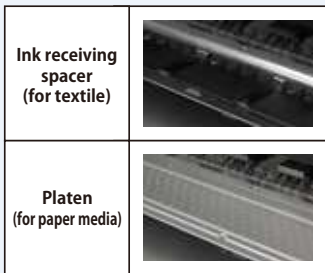
Hybrid

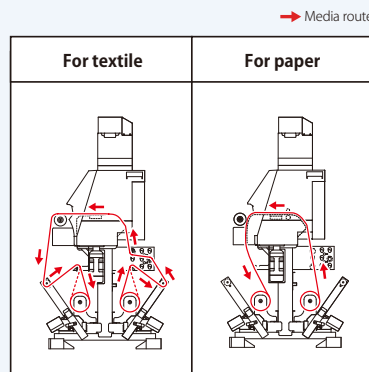**Hybrid ink set**
（Two types of inks can be loaded at the same time.）

- Able to manage to use **two types of ink** properly in response to your needs.
- Available to print on **both paper and textile** with a single printer unit.
- Possible to create printed fabric simply **with your existing processing** equipment only such as heat press etc.
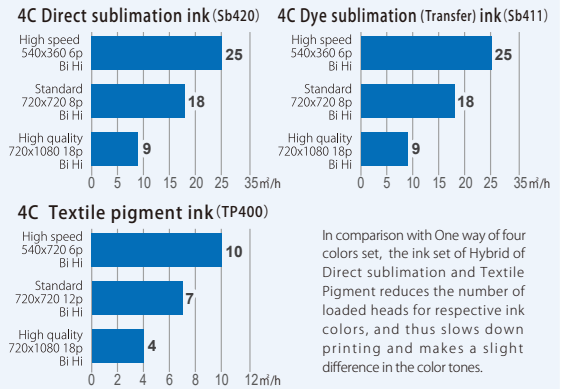
Service engineers are no longer needed.

You can easily replace platens to suit the media type (textile or paper).

Ink receiving spacer (for textile)	
Platen (for paper media)	

Media conveyance route

→ Media route

For textile	For paper

Print speed （Hybrid ink set）

4C Direct sublimation ink（Sb420）

High speed 540x360 6p Bi Hi	25
Standard 720x720 8p Bi Hi	18
High quality 720x1080 18p Bi Hi	9

0 5 10 15 20 25 35㎡/h

4C Dye sublimation（Transfer）ink（Sb411）

High speed 540x360 6p Bi Hi	25
Standard 720x720 8p Bi Hi	18
High quality 720x1080 18p Bi Hi	9

0 5 10 15 20 25 35㎡/h

4C Textile pigment ink（TP400）

High speed 540x720 6p Bi Hi	10
Standard 720x720 12p Bi Hi	7
High quality 720x1080 18p Bi Hi	4

0 2 4 6 8 10 12㎡/h

In comparison with One way of four colors set, the ink set of Hybrid of Direct sublimation and Textile Pigment reduces the number of loaded heads for respective ink colors, and thus slows down printing and makes a slight difference in the color tones.

Versatile ink combination in Hybrid

Ink type		Color	Feature	Media(Textile/Paper)	Pre-treatment	Post-treatment	Application example
Ink set 1	Dye sublimation (transfer) ink Sb411	Bl, M, Y, K	Transfers the printed transfer paper in close contact with the media without any pre-treatment. Excellent color development and color reproducibility.	After printing on transfer paper, transferring to polyester		Heating	Soft sign / Sports apparel / Fashion apparel
	Textile pigment ink TP400	C, M, Y, K	Ink containing binder (bonding agent) to fix the pigment to fibers by applying heat. As this ink requires only the heat-fixing process after print, the post-process equipment can be simplified.*1,2	Direct printing on cotton, hemp, others (textile*3) and paper		Heating	Apparel / Home fabrics / Fashion articles / Wall paper / Poster
Ink set 2	Direct sublimation ink Sb420	Bl, M, Y, K	Ink for direct sublimation print. It allows to print directly onto textile.*1	Direct printing on polyester	Necessary	Heating / Washing	Soft sign / Sports apparel / Fashion apparel
	Textile pigment ink TP400	C, M, Y, K	Ink containing binder (bonding agent) to fix the pigment to fibers by applying heat. As this ink requires only the heat-fixing process after print, the post-process equipment can be simplified.*1,2	Direct printing on cotton, hemp, others (textile*3) and paper		Heating	Apparel / Home fabrics / Fashion articles / Wall paper / Poster
Ink set 3	Dye sublimation (transfer) ink Sb411	Bl, M, Y, K	Transfers the printed transfer paper in close contact with the media without any pre-treatment. Excellent color development and color reproducibility.	After printing on transfer paper, transferring to polyester		Heating	Soft sign / Sports apparel / Fashion apparel
	Direct sublimation ink Sb420	Bl, M, Y, K	Ink for direct sublimation print. It allows to print directly onto textile.*1	Direct printing on polyester	Necessary	Heating / Washing	Soft sign / Sports apparel / Fashion apparel

*1: Post-processing such as steaming and washing may be necessary depending on the print conditions. *2: Beautiful results can be achieved even in high-density color print by performing pre-processing.
*3: It is available to print other textiles than cotton / hemp with pre-treatment. Be sure to make a test print in advance

TxLink™4

Professional RIP software with new features and more advanced for textile printing

- Color replacement function for Raster / vector data and CMYK / RGB images
- The "16 bit rendering" for super fine color gradation
- The "Parallel RIP" for high work efficiency

TxLink™4 Lite — Entry model with selected practical functions

RasterLink6 PLUS

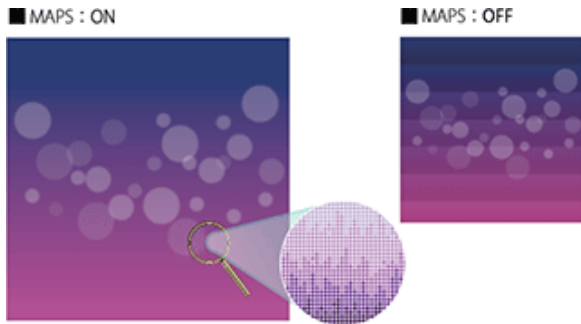Newly upgraded RIP software with higher functionality and more user-friendliness

Simple icon display - Intuitive and easy-to-understand operability
Save operation time by registering settings as favorites

MIMAKI'S PRINT TECHNOLOGIES

Mimaki Advanced Pass System 4 (MAPS4) reduces banding

Mimaki's unique anti-banding technique MAPS4* is an advanced version of MAPS3. To prevent banding, swath boundaries are overprinted, whereas boundaries prone to banding are printed with fewer ink droplets.
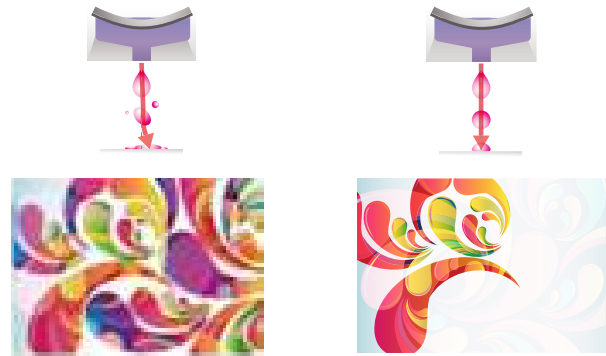
*MAPS4: Mimaki Advanced Pass System 4

Superior inkjet technology

Mimaki's superior inkjet technology accurately places the ink droplets without losing their perfect circularity. This ensures that texts, lines, and edges are clearly and sharply printed.
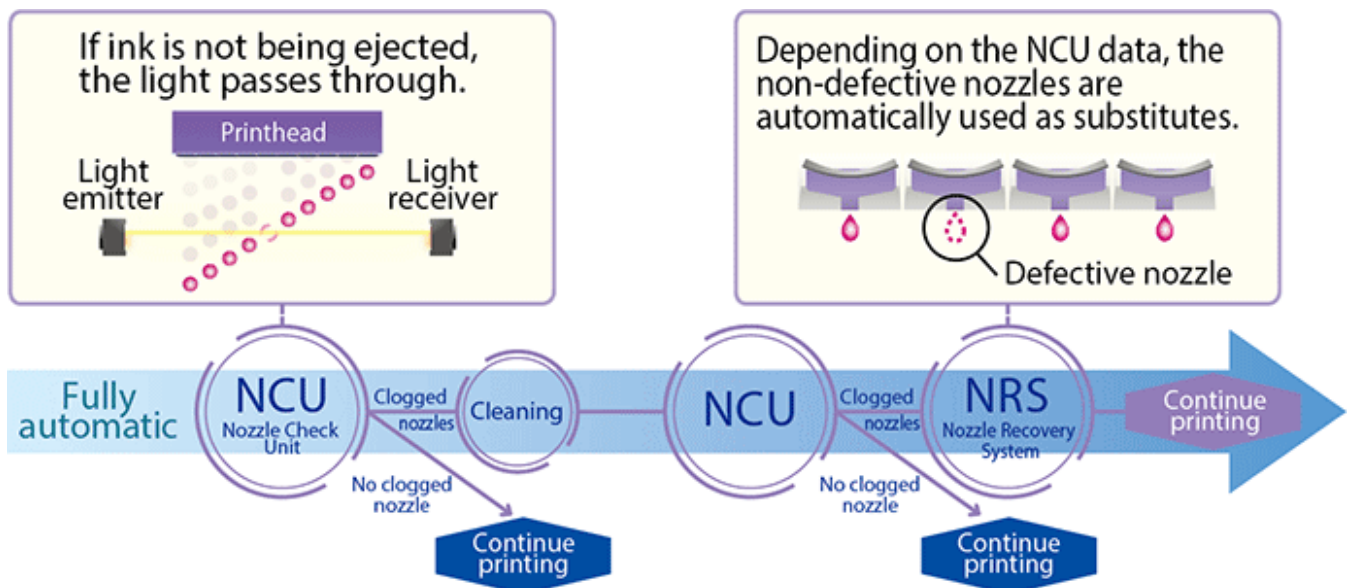
No waveform control   Waveform control applied

UNINTERRUPED PRITING SOLUTIONS

Continuous operation support pack minimizes the downtime

The Nozzle Check Unit (NCU) detects nonfunctioning nozzles and automatically cleans them. If the nozzles fail to operate after cleaning, defective nozzles are replaced by non-defective ones until a technician arrives, and printing is continued. This feature enables uninterrupted print operations and continuous productivity.
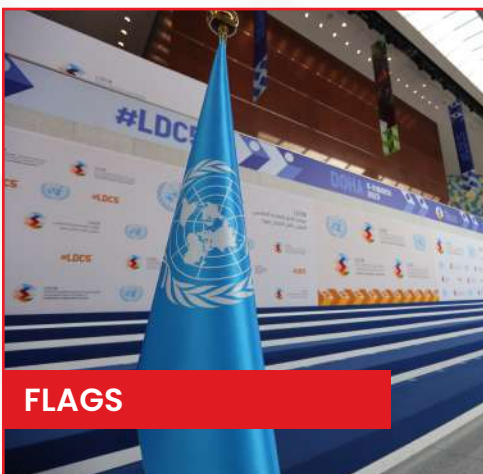
Product Samples

FASHION

SEAT FABRICS

SOFT SIGNAGE

OUTDOOR EQUIPMENT

FLAGS

HOME & INTERIOR

Specification

Printhead	On-demand piezo head (4 printhead in-line)
Resolution (Depends on ink type)	360 dpi, 540 dpi, 720 dpi, 1,080 dpi, 1,440 dpi
Max. print width	1,920 mm (Textile) 1,940 mm (Paper)
Max. media width	1,920 mm (Textile) 1,950 mm (Paper)
Ink (Type/Color)	4/6/7/8c (*)
	Direct sublimation : Sb420 (Bl, M, Y, K, Lbl, Lm)
	Disperse dye : DD400 (C, M, Y, K, R, Violet, Pink, Gray)
	Textile pigment : TP400 (C, M, Y, K, R, Bl, Lk)
	Reactive dye : Rc400/500 (C, M, Y, K, Lk, R, Bl, Or)
	Acid dye : Ac400 (C, M, Y, K, Lk, R, Bl, Or)
	Dye sublimation (transfer) : Sb411 (Bl, M, Y, K)
Package size	2L Ink pack
Media thickness	1.0 mm or less
Media roll weight	40 kg or less
Media type	Natural fiber (Cotton, Silk, Hemp), Chemical fiber (Polyester, Nylon) *Excluding elastic media Paper
Certifications	VCCI class A, FCC class A, ETL UL 60950-1 ETL, ENERGY STAR, RCM, EAC
	CE Marking (EMC, Low voltage, Machinery directive, and RoHS), CB, REACH
Interface	USB 2.0 Hi-speed / Ethernet 1000BASE-T
Power	Single-phase AC100 to 120V / AC200 to 240V 50/60Hz ± 1Hz
Power consumption	(AC100V) 1,440W×1, (AC200V) 1,920W×1
Operation environment	Temperature: 20 - 30 degC, Humidity : 35 - 65% Rh (Non-condensation)
Outer sizes (WxDxH)	3,200 × 965 × 1,857 mm (126.0 × 38.0 × 73.2 in)
Weight	260 kg (573.2 lb)

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

* The color number depends on the ink type and with/without Hybrid. In the case of Hybrid, four colors are applied for each ink type

Options

Item	Code	Remark
Mist catch unit	OPT-J0396	
Small relay box	OPT-J0370	Interlock controller between a main unit and an external heater
Relay box2	OPT-J0407	For turning on/off of the media drying heater by interlocking with printing operation
Slip sheet holder unit	OPT-J0405	Holder unit using for prevention of ink set-off
1 inch holder unit	OPT-J0399	Feeder unit for 1 inch-core media

Supplies

Item		Code
Direct sublimation ink Sb420 2L Ink pack ECO PASSPORT certified ink	Blue	I-SB420-BLD-2L-1
	Magenta	I-SB420-MD-2L-1
	Yellow	I-SB420-YD-2L-1
	Black	I-SB420-KD-2L-1
	Light Blue	I-SB420-LBD-2L-1
	Light Magenta	I-SB420-LMD-2L-1
Disperse dye ink DD400 2L Ink pack	Cyan	I-DD400-C-2L-1
	Magenta	I-DD400-M-2L-1
	Yellow	I-DD400-Y-2L-1
	Black	I-DD400-K-2L-1
	Red	I-DD400-R-2L-1
	Violet	I-DD400-V-2L-1
	Pink	I-DD400-P-2L-1
	Gray	I-DD400-G-2L-1
Textile pigment ink TP400 2L Ink pack	Cyan	I-TP400-C-2L-1
	Magenta	I-TP400-M-2L-1
	Yellow	I-TP400-Y-2L-1
	Black	I-TP400-K-2L-1
	Red	I-TP400-R-2L-1
	Blue	I-TP400-BL-2L-1
	Light Black	I-TP400-LK-2L-1
Reactive dye ink Rc400 2L Ink pack	Cyan	I-RC400-C-2L-1
	Magenta	I-RC400-M-2L-1
	Yellow	I-RC400-Y-2L-1
	Black	I-RC400-K-2L-1
	Light Black	I-RC400-LK-2L-1
	Red	I-RC400-R-2L-1
	Blue	I-RC400-BL-2L-1
	Orange	I-RC400-OR-2L-1
Reactive dye ink Rc500 2L Ink pack	Cyan	I-RC500-C-2L-1
	Magenta	I-RC500-M-2L-1
	Yellow	I-RC500-Y-2L-1
	Black	I-RC500-K-2L-1
	Light Black	I-RC500-LK-2L-1
	Red	I-RC500-R-2L-1
	Blue	I-RC500-BL-2L-1
	Orange	I-RC500-OR-2L-1
Acid dye ink Ac400 2L Ink pack	Cyan	I-AC400-C-2L-1
	Magenta	I-AC400-M-2L-1
	Yellow	I-AC400-Y-2L-1
	Black	I-AC400-K-2L-1
	Light Black	I-AC400-LK-2L-1

Acid dye ink Ac400 2L Ink pack	Red	I-AC400-R-2L-1
	Blue	I-AC400-BL-2L-1
	Orange	I-AC400-OR-2L-1
Dye sublimation (transfer) ink* Sb411 2L Ink pack ECO PASSPORT certified ink	Blue	I-SB411-BLT-2L-1
	Magenta	I-SB411-MT-2L-1
	Yellow	I-SB411-YT-2L-1
	Black	I-SB411-KT-2L-1

Dye sublimation (transfer) (Sb411) can be used only in Hybrid.
The "ECO PASSPORT" authenticates the safety and security for chemicals used during the production of textile dyes / pigments and auxiliaries and finishing agents.

Item	Code	Remark
Flushing liquid 03 220ml	C-FL003-Z-22-1	For head cleaning One way: All types of ink excluding TP400 Hybrid: Sb420xSb411
Flushing liquid 03 2L	C-FL003-Z-2L-1	Flushing liquid for ink replacement
Flushing liquid 12 220ml	C-FL012-Z-22-1	For head cleaning One way:TP400 Hybrid: Sb411xTP400 and Sb420xTP400
Mist catch filter	SPC-0810	Filter for OPT-JO396 Mist catch unit

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

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