

***TX500-1800DS***



**Volume production direct dye sub printer...**



TEXTILE &  
APPAREL



eco

**Mimaki**

The world imagines... Mimaki delivers





# Direct dye sublimation printer for volume production of textiles ...

With a class-leading 150 m<sup>2</sup>/h print speed, the Mimaki TX500-1800DS prints directly to digitally prepared polyester fabrics, for long production runs. Perfectly suited to high quality textile point-of-sale, light boxes, flags, mesh and all types of soft signage, the TX500-1800DS removes the need for transfer paper where the application permits.

## TX500-1800DS delivers ...

- Class-leading print speed of 150 m<sup>2</sup>/h<sup>2</sup> (in high-speed mode)
- New fast drying dye sublimation ink (Sb300)
- Mimaki Advanced Pass System (MAPS) reducing imperfections in high production mode
- Mimaki Degassing Module (MDM-20) enabling use of bottled inks
- Mist Removal Filter for enhanced print stability
- Auto Media Feeder for continuous printing
- Media roll handling up to 300 mm diameter and maximum weight of 60 kg

<b>DYE SUB INK FOR DIRECT PRINTING</b>
<b>1820 mm MAX PRINT WIDTH</b>
<b>150 m<sup>2</sup>/h MAX. SPEED</b>
<b>1200 DPI MAX RESOLUTION</b>
<b>4 COLOUR MODE</b>
<b>UNATTENDED CONTINUOUS OPERATION</b>
<b>MIMAKI ADVANCED PASS SYSTEM (MAPS)</b>
<b>300 mm MAX. MEDIA ROLL DIAMETER</b>

*TX500-1800DS*



**Create ...** Textile PoS, Flags, Light Boxes, Mesh Banners & Display Panels, Exhibition Graphics, Wall Art and all types of Soft Signage.

### ENGINEERING EXCELLENCE AND CREATIVE INNOVATION

Founded in Japan in 1975, Mimaki Engineering has steadily grown by reputation and influence into a global company with large operational bases in Asia and the Pacific, United States and Europe.

Renowned for award-winning performance, peerless build quality and innovative technology, Mimaki has established itself as a leading manufacturer of wide-format inkjet printers and cutting machines for the sign and graphics, textile and apparel and industrial markets. In addition, Mimaki also provides a comprehensive range of supporting products; hardware, software and associated consumable items, such as inks and cutting blades.

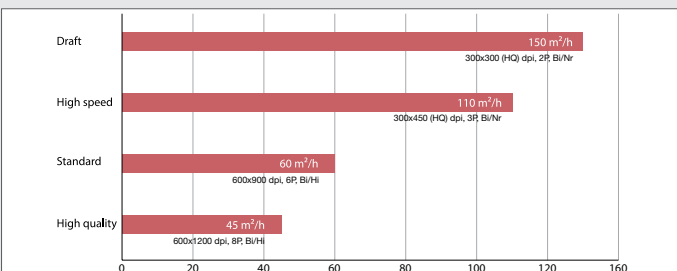
From outdoor signage and billboards to interior decoration and furnishing, from packaging and labels to promotional gifts and apparel, Mimaki is committed to developing technology that sets new industry standards, producing machines and products that turn the imagination of our customers into breath-taking reality.

### ... Mimaki delivers

## KEY TECHNICAL FEATURES ...

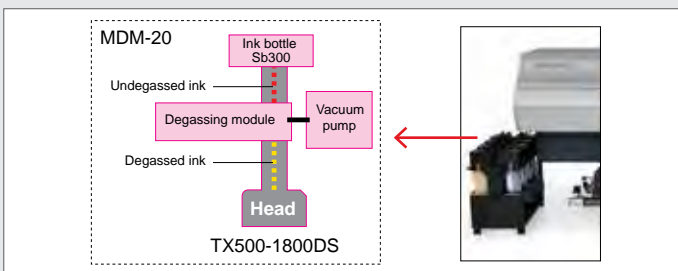
### 150 m<sup>2</sup>/h print speed (in high speed mode)

TX500-1800DS features newly developed 6 print head technology, in staggered formation, featuring 1280 nozzles per printhead that delivers an unmatched 150 m<sup>2</sup>/h in 4 colour mode. Variable drop sizes from 7 picolitres up to 35 picolitres can be achieved.



### Mimaki Degassing Module (MDM-20)

Equipped with MDM-20 which eliminates gasses and bubbles inside the ink, enabling the printer to use bottled inks instead of conventional degassed ink packs, thereby reducing ink costs.



### New Dye Sublimation Ink (Sb300)

Mimaki Sb300 ink, supplied in 2-litre bottles offers a more affordable alternative to conventional ink.

This ink offers brilliant colour reproduction, excellent resistance to fading and fast drying.

### TxLink Pro (optional)

TxLink Pro software RIP for multi colour separation, is available as an option.

- Spot colour can be assigned to each colour on separation plates
- ICC profile creation from CMYK + spot colours
- Colour replacement on Raster data
- A variety of panelling functions including step-and-repeat layout

### Other advanced capabilities

- **MediaFeeder (AMF)**  
AMF provides stable media feeding and take-up. Roll media of up to 60kg and 300 mm in diameter can be handled without the need for frequent changing, enabling continuous printing and improved productivity on large orders.
- **Mimaki's unique drying mechanism**  
Printed ink is speedily dried and fixed on media with more flexible and convenient operation, by heating during and after printing.
- **Uninterrupted Ink Supply System (UISS)**  
Two ink bottles per colour can be set in 4-colour mode. When an ink bottle runs out, another bottle of the same colour automatically starts supplying ink.
- **Mist Absorbing Filter**  
The Mist Absorbing Filter removes ink mist during printing, reducing downtime caused by ink mist and enhancing print stability.

# Sophisticated RIP software maximizes the performance of TX500-1800DS

## RasterLink6

### User friendly RIP key features

- Easy to follow icons enable intuitive and user-friendly operation
- Related settings feature in one window to simplify RIP operations, with 'Register as Favourite' option available for regularly used layouts
- Printing progress can be monitored on the main screen

### Additional useful functions

- 1. Layout function;** enables images to be freely laid out if print conditions are the same. This function reduces media waste by creating an efficient layout.
- 2. Multi-profile, simultaneous printing function;** allows several profiles that match conditions to be simultaneously printed. This is effective for test output when the profile for a target image quality or colour requires multiple "profile" test prints. Users can select the best profile after actually investigating the output. (\*To be supported by RasterLink6 program update)
- 3. Web update function;** easy program update and profile download via the internet.
- 4. Colour replacement functions;** selected colours from the colour charts of RasterLink 6 can be added into swatches of Adobe Illustrator and Photoshop. Pantone colours are fully supported.
- 5. Colour matching system;** a measured colour can be reproduced by selecting a matching colour from the profile of RasterLink 6. (\* Colorimeter is not a standard feature)
- 6. Printing colour simulation;** the printing colour can be simulated in Illustrator/Photoshop without an actual print. (\* this function requires MPM2 – Mimaki Profile Master 2)

### Specifications

Item	TX500-1800DS
Print head	On demand piezo head (6 heads in staggered configuration)
Maximum print width	1,820 mm
Print resolution	300dpi, 450dpi, 600dpi, 900dpi, 1200dpi
Print modes	4 Colours (Uni / Bi) 300 x 300 dpi (HQ) 300 x 450 dpi (HQ) 600 x 900 dpi
Ink	Type: Sublimation ink Sb300 (BL, M, Y, KD) Supply: 2 x 2L bottles per colour with UISS Degassing module: Equipped with MDM-20
Media	Type: Pre-treated polyester Size: Minimum: 297 mm, Maximum: 1,910 mm Thickness: Up to 0.2 mm Roll weight: Up to 60kg Printing surface: External face Roll diameter: Roll diameter: 300 mm, Inside diameter: 76 mm
Media heater	Built-in front heater to dry underside of printed media External drying heater (recommended)
Media take-up device	Powered take-up device, inside/outside selectable, 3 inch paper core
Print gap	1.5 mm – 7 mm (user selectable)
Interface	USB2.0
Applicable standards	VCCI class A, FCC class A, UL60950-1, RoHS directive CE Marking (EMC, Low voltage and Machinery directive), CB Report
Power specifications	Single-phase AC 200–240 V, 20 A or under
Power consumption	Less than 4,800W
Operating environment	Temperature: 20°C-30°C / Humidity: 35-65 % RH (No condensation)
External dimensions (WxDxH)	3,830 x 1,440 x 1,700 mm (excluding ink supply unit)
Weight	750kg

### Options and Supplies

Item	Item No.	Remarks
Dye Sublimation Ink Sb300	Blue	SB300-BL-BB
	Magenta	SB300-M-BB
	Yellow	SB300-Y-BB
	Black	SB300-KD-BB
Flushing liquid	FL003-Z-BB	2L bottle
Maintenance kit	SPA-0188	SPA-0189, 0190, goggles and clean stick 10 pcs
Head filter replacement kit	SPA-0189	HF filter 20 pcs
Mist absorption and exhaust fan filter replacement kit	SPA-0190	Fan filter 30 sheets
Wiper replacement kit	SPA-0193	Wiper rubber 2 pcs
Cap rubber replacement kit	SPA-0194	Cap rubber 6 pcs
Air filter replacement kit	SPA-0195	Filter element 2 pcs
Ink filter replacement kit	SPA-0196	
Waste ink tank SL	SPA-0197	1 pc

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www.mimakieurope.com

info@mimakieurope.com

@MimakiEurope

Mimaki Europe B.V. Stammerdijk 7E, 1112 AA Diemen, The Netherlands Tel: +31 (0)20 4627640