

***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 (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

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

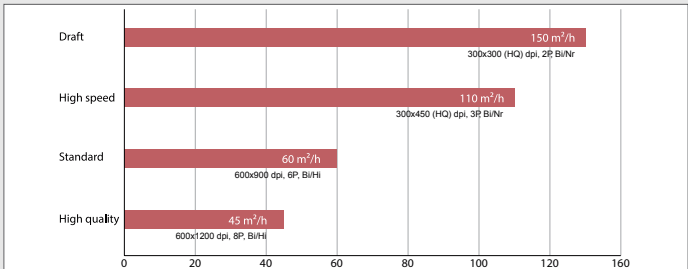


Create ... Textile PoS, Flags, Light Boxes, Mesh Banners & Display Panels, Exhibition Graphics, Wall Art and all types of Soft Signage.

### KEY TECHNICAL FEATURES ...

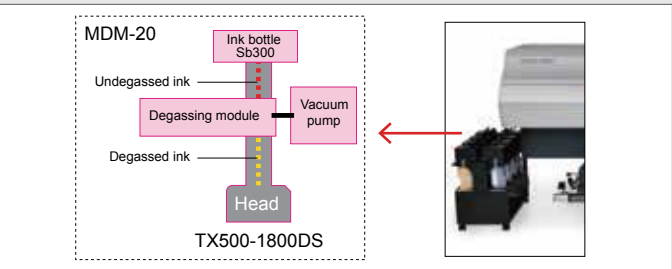
#### 150 m<sup>2</sup>/h print speed (in high speed mode)

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

- Media Auto Feeder (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 300 x 450 dpi (HQ) 600 x 900 dpi	300 x 300 dpi (HQ) 600 x 600 dpi 600 x 1200 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	2L ink bottle
	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

• 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 • Composer's errors reserved

# Mimaki

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