

Sophisticated RIP software maximizes the performance of TS500-1800



Additional useful functions

- 1. Layout function;** enables images to be freely laid out if print conditions are the same. This function reduces the 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 Web.
- 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)

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

TS500-1800

Specifications

Item	TS500-1800	
Print head	On demand piezo head (6 heads in staggered configuration)	
Maximum print width	1,890 mm	
Print resolution	300dpi, 450dpi, 600dpi, 900dpi, 1200dpi	
Print modes	4 Colours (Uni / Bi) 300 x 300 dpi 300 x 450 HQ 600 x 900 dpi	300 x 300 HQ 600 x 600 dpi 600 x 1200 dpi
	6 Colours (Uni / Bi) 300 x 300 dpi 600 x 450 HQ 600 x 900 dpi	300 x 300 HQ 600 x 600 dpi 600 x 1200 dpi
Ink	Type	Sublimation ink Sb300 (Bl, M, Y, Bk, Lbl, Lm)
	Supply	2L bottle per colour
	Degassing module	Equipped with MDM-20
Media	Type	Sublimation transfer paper
	Size	Minimum: 297 mm, Maximum: 1,910 mm
	Thickness	Up to 0.2 mm
	Roll weight	Up to 60kg
	Roll diameter	Roll diameter: 300 mm, Inside diameter: 76 mm
Media cutting	Y direction cutting by the cutter in the head part	
Media heater	3-way Intelligent heater (Pre/Print/Post) External drying heater (optional)	
Media take-up device	Roll take-up device, inside/outside selectable, 3 inch paper core	
Print gap	1.5 mm ~ 7 mm (automatic adjustment)	
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)	3,810 x 1,400 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-KT-BB
	Light blue	SB300-LBL-BB
Light magenta	SB300-LM-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
Clean stick for head surrounding	SPC-0527	50 pcs
Washing bypass jig kit assy	OPT-J0320	1 set



The world's fastest dye sublimation printer...

• 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



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TEXTILE & APPAREL



eco



The world imagines... Mimaki delivers



The world's fastest dye sublimation printer for the textile market

With an unrivalled speed of 150 m²/h, the Mimaki TS500-1800 prints on sublimation paper like no other machine currently available on the market. Specifically designed for the textile market, this printer is especially suitable for production of sportswear, fashion and soft signage, where the growth in run lengths demands a machine capable of high volume, high quality digital printing.

TS500-1800 delivers ...

- Unrivalled print speed of 150 m²/h (in high-speed mode)
- New fast drying dye sublimation ink (Sb300)
- Mimaki Degassing Module (MDM-20) enabling use of undegassed bottled inks
- Mist Absorbing 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 SUBLIMATION INK**
- 1890 mm MAX PRINT WIDTH**
- 150 m²/h MAX. SPEED**
- 1200 DPI MAX RESOLUTION**
- 4/6 COLOUR MODES**
- UNATTENDED CONTINUOUS OPERATION**
- 300 mm MAX. MEDIA ROLL DIAMETER**



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.

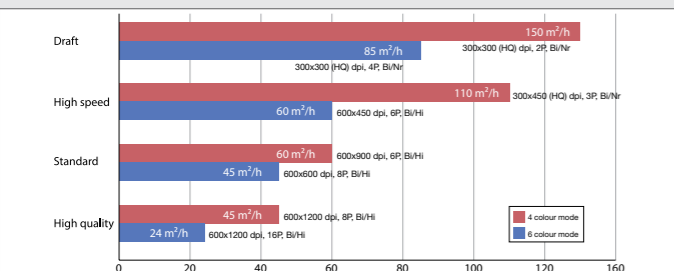
... Mimaki delivers

Create... Sports apparel, Fashion garments and all types of clothing, Indoor & Outdoor soft signage, Textiles, Interior Soft Furnishings, fabrics and more...

KEY TECHNICAL FEATURES ...

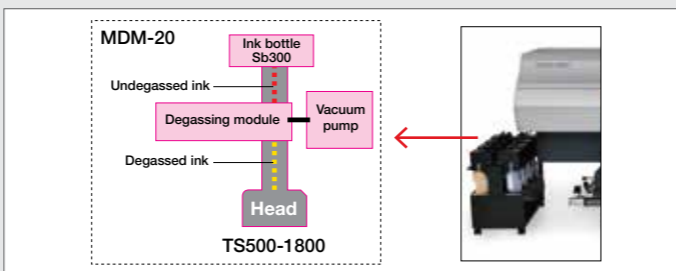
150 m²/h print speed (in high speed mode)

TS500-1800 features newly developed 6 print head technology, in staggered formation, featuring 1280 nozzles per printhead that delivers an unmatched 150 m²/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 (Sb 300)

Sb 300 ink, supplied in 2-litre bottles offers a more affordable alternative to conventional ink.

Available in 6 colours this ink offers brilliant colour reproduction, excellent resistance to fading and fast drying.

TxLink Pro (optional)

The 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 paneling functions including step-and-repeat layout

Other advanced capabilities

- **Auto Media 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.