TS500-1800

<Sublimation transfer model> High-speed inkjet printer

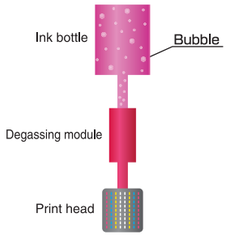
Capabilities supported by assured technology add value to your business

Low cost

Offers low-priced ink and ensures stable printing

Ink degassing module

A degassing process is required for manufacturing conventional pouched ink. An embedded degassing module "MDM-20"* enables TS500-1800 to use undegassed bottled inks. Low-priced inks are provided by eliminating the degassing process. Before the ink reaches the print head, gasses or bubbles inside the ink are eliminated, therefore stable ink jetting is assured.



* Degassing module needs to be replaced regularly.

High resolution

Newly developed sublimation ink Sb300

New sublimation ink ,Sb300, dries fast and reproduces deep and vibrant colors. Combined use of TS500-1800 and Sb300 delivers more impressive print results.

Software

■Bundled RIP software

User friendly RIP "RasterLink 6" comes standard

RasterLink6

- ◆More beautiful and advanced print results are achieved by following a user-friendly interface that is easy to operate.
- ◆Color replacement function enhances the ability to re-create printed images.
- ◆Print color can be simulated on Illustrator / Photoshop without an actual print
  * This function requires MPM2 (Mimaki Profile Master 2).

<Supports Web update function>

- ◆Program update and profile download can be easily performed via internet.

■Optional

Professional software RIP for multi color separation (optional)

Software RIP for Multi Color Separation

TxLink Pro

- ◆Spot color can be assigned to each color on separation plates.
- ◆ICC profile creation from CMYK + spot colors.
- ◆Color replacement on raster data
- ◆A variety of paneling functions, including step-and- repeat layout, which are useful for textile designing.

■Specifications

Item		TS500-1800
Head		On-demand Piezo head (6 printheads with 3 staggered configuration)
Maximum width		1,890 mm (74.4")
Print resolution		300,450,600,900,1200dpi
Print mode	4 color (Uni- / Bi-directional)	300x300dpi, 300x300HQ, 300x450HQ, 600x600dpi, 600x900dpi, 600x1200dpi
	6 color (Uni- / Bi-directional)	300x300dpi, 300x300HQ, 300x450dpi, 600x600dpi, 600x900dpi, 600x1200dpi
Ink	Sublimation Ink	4 color (Bl, M, Y, Bk)
	Sb300	6 color (Bl, M, Y, Bk, LBl, LM)
	Ink supply system	2L bottle / each color
Media	Type	Sublimation transfer paper
	Width	Maximum: 1,910 mm (75.2"), Minimum: 297 mm (11.7")
	Thickness	Up to 0.2 mm
	Weight	Up to 60 kg (132lbs)
	Print aspect	Outside
	Roll diameter	External: φ300mm (11.8"), Inside: φ76mm (3.0")
	Cutter	Y-direction cutter after head section
Drying device		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~7.0 mm (Automatic adjustment)
Interface		USB2.0
Applicable standard		VCCI class A, FCC class A, UL60950-1, RoHS directive
		CE Marking (EMC, Low voltage and Machinery directive), CB Report
Power specification		Single-phase AC 200~240 V, 20 A or under
Power consumption		Less than 4,800W
Operational	Temperature	20°C-30°C (64-86 °F)
	Humidity	35-65 % RH (non condensing)
Dimensions (W×D×H)		3,810×1,400×1,700 mm (150.0"×55.1"×66.9") (*1)
Weight		750kg (1,653lbs)

*1 Ink supply unit is not included in the dimensions

■Supplies

Item		Item No.	Remarks
Sublimation Ink Sb300	Blue	SB300-BL-BB	2L ink bottle
	Magenta	SB300-M-BB	
	Yellow	SB300-Y-BB	
	Black	SB300-KT-BB	
	Light Blue	SB300-LBL-BB	
	Light Magenta	SB300-LM-BB	
Flushing liquid 03		FL003-Z-BB	2L bottle
Maintenance kit		SPA-0188	SPA-0189, 0190, goggles and clean stick 10 pcs
Head filter replacemant kit		SPA-0189	HF filter 20 pcs
Mist absorption and exhaust fan filter		SPA-0190	Fan filter 30 sheets
Wiper replacement kit		SPA-0193	Wiper rubber 2 pc
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

ISO 14001 JACO EC08J0126 UKAS MANAGEMENT SYSTEMS 051

Our factory is certified according to ISO14001:2004

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TS500-1800

<Sublimation transfer model> High-speed inkjet printer

Mimaki

Massive Productivity Reliable Stability

Capabilities supported by assured technology add value to your business

Sublimation Transfer Model

MASSIVE PRODUCTIVITY

Massive Productivity
Reliable Stability

TS500-1800

<Sublimation transfer model> High-speed inkjet printer

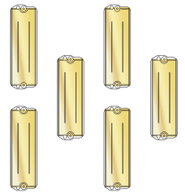
Not only is the TS500-1800 *the worlds fastest sublimation printer, it also has many features that ensure reliably stable print operation. Please try unparalleled productivity supported by uninterrupted operation.

* As of July 2013, according to a survey result by Mimaki Engineering Co.,Ltd.

Achieves the world's fastest* 150 m²/h

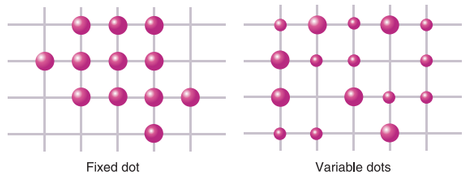
Six newly developed print heads

Six units of newly developed print heads are mounted.
The print heads are arranged in 3 staggered rows. Such a configuration enables a large print swath, compared with conventional models, and achieves a print speed of up to 150 m²/h.
Moreover, a variable dot function delivers fine, high resolution prints that are less granular by jetting two different ink drop sizes at a time.

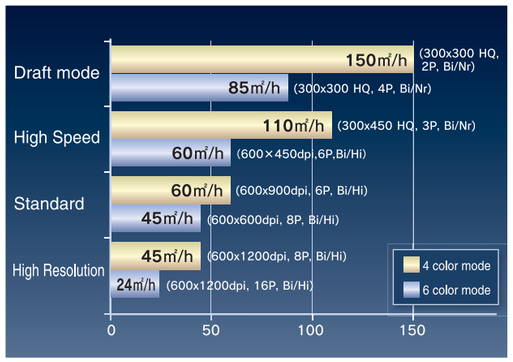


3 staggered rows

*As of July 2013, according to a survey result by Mimaki Engineering Co.,Ltd.
Surveyed print speeds are limited to sublimation transfer models.
(300x300 to HQ,2P,Bi/Nr)



Fixed dot　　Variable dots

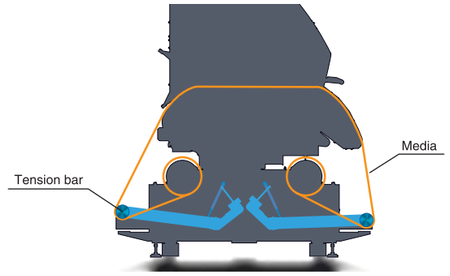


Ensure feeding /take-up of heavy media

AMF mechanism

Mimaki's unique media feeding/take-up mechanism, AMF, delivers stable continuous printing of long and heavy rolled media and less banding by maintaining an appropriate tension depending on media. Maximum loadable media size is up to 60kg and 300mm in diameter.

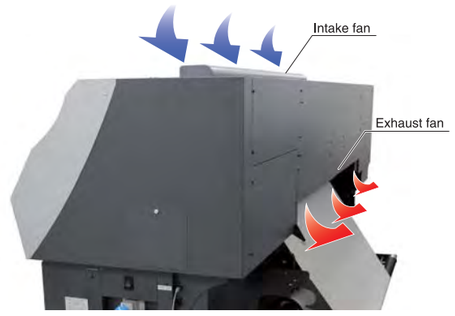
*AMF=Auto Media Feeder



Support smooth operation

Ink mist reduction function

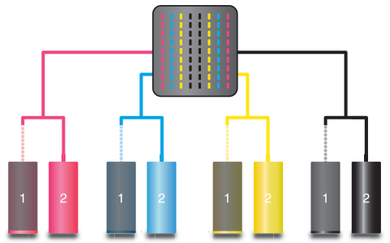
Embedded intake/exhaust fans create airflow which forces ink mists through filters. The reduction of these troublesome ink mists allows for stable operation of the machine.



Prevent the interruption of print caused by ink end

UISS (Uninterrupted Ink Supply System)

Mimaki's UISS (Uninterrupted Ink Supply System) will automatically switch whenever one ink container is empty to the other ink container of the same color. In addition, operators can exchange the ink containers even when the printer is at work. Therefore UISS enables long continuous print runs.

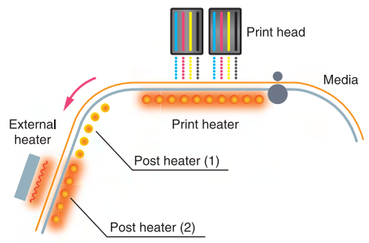


When bottle 1 is empty, the other bottle starts to supply ink.

Drying mechanism for varied media

Optimized heater control

A print heater and two post heaters are provided. Built-in heaters accelerate the ink drying time by heating the media during and after printing. There are two post-heaters. The heater near the platen has a temperature controller in order to meet optimized temperatures of each media. The temperature can be increased to shorten ink drying time or decreased for heat-sensitive media.

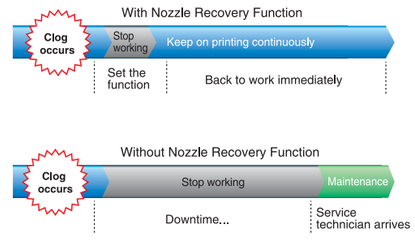


* Depending on the environment, an external heater may be required.

Maintain print operation

Nozzle Recovery Function

Even if nozzle washing has no effect on a troubled nozzle, the print image quality can be restored immediately. During this nozzle downtime, the nozzle recovery function enables the printer to produce high quality prints continuously, without slowing down.



* Nozzle Recovery Function is a temporary "failure averting function" to continue operation, and its recoverability is limited.