〈Transfer Sublimation〉High-Speed Inkjet Printer

NEW

TS500-1800

Mimaki™

Transfer Sublimation

Unparalleled productivity

The world fastest printing speed
150m²/h
*The fastest printing speed for transfer paper

Lower ink cost
New developed ink〈Sb300〉
Bl M Y Bk Lbl Lm

Advanced capabilities designed for usability

Mimaki Degassing Module: MDM-20
Improved ink dot placement
Changing ink supply from a package to a bottle

〈RasterLink6〉
The newly developed RIP
〈TxLinkPro〉
Optional RIP with color separation ability

Mimaki Degassing Module: MDM-20

The "TS500-1800" comes with "MDM-20" that eliminates the gasses and bubbles inside the ink. This module enables the printer to use bottled inks instead of conventional degassed ink packs thereby reducing ink costs.

*MDM=Mimaki Degassing Module

New sublimation ink "Sb300"

Being supplied by 2-litters bottle, the "Sb300" ink offers a more affordable price than conventional ink. Furthermore, this ink produces brilliant color and dries fast.

"AMF" secures stable media feeding/take-up

The maximum weight/diameter of roll-up media is 60kg/300mm.There is no need to change the media frequently, meaning large orders can be handled smoothly and without interruption due to continuous printing.

*AMF=Auto Media Feeder

New developed "RasterLink6" comes standard.

The new "RasterLink6" contains various functions including a color replacement function which gives printed images a variety of options. Optional RIP "TxLinkPro" has color separation ability.

Sports apparel

Indoor and outdoor soft signage

Textile

Interior fabric

⟨Transfer Sublimation⟩ High-Speed Inkjet Printer

TS500-1800

Unparalleled productivity

Mimaki

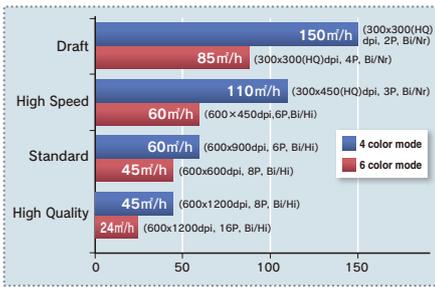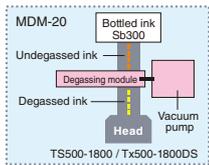## Point 1 — Print speed of 150 m²/h on transfer paper

The "TS500-1800" is equipped with newly developed print heads (Six print heads with three staggered) and achieves print speed of 150 m2/h. Expand your business opportunity with this improved print speed.

Mode	4 color mode	6 color mode
Draft	150㎡/h (300x300(HQ)dpi, 2P, Bi/Nr)	85㎡/h (300x300(HQ)dpi, 4P, Bi/Nr)
High Speed	110㎡/h (300x450(HQ)dpi, 3P, Bi/Nr)	60㎡/h (600×450dpi,6P,Bi/Hi)
Standard	60㎡/h (600x900dpi, 6P, Bi/Hi)	45㎡/h (600x600dpi, 8P, Bi/Hi)
High Quality	45㎡/h (600x1200dpi, 8P, Bi/Hi)	24㎡/h (600x1200dpi, 16P, Bi/Hi)

■ 4 color mode ■ 6 color mode

Point 2 — MDM-20 increases inkjet-ability and reduces ink costs.

The Mimaki degassing module "MDM-20" eliminates the gasses or bubbles inside the ink. This means nozzle blockage is lessened and the accuracy of ink dot placement is improved. In addition, this module enables the printer to use undegassed bottled inks instead of conventional degassed ink packs, thereby reducing ink costs.
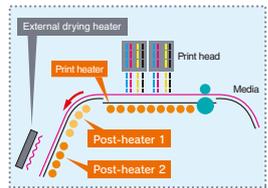
*MDM＝Mimaki Degassing Module

MDM-20 / Bottled ink Sb300 / Undegassed ink / Degassing module / Degassed ink / Vacuum pump / Head
TS500-1800 / Tx500-1800DS

Point 3 — Advanced capabilities designed for usability

AMF ensures stable media feeding and take-up

Roll-up media of up to 60kg and 300mm in diameter can be set. Mimaki's unique "AMF"-system ensures stable feeding /take-up of heavy media with appropriate tension. Because of this, there is no need to constantly monitor the printer.

Mimaki's unique drying mechanism

Printed ink is speedily dried and fixed on media by heating during and after printing. The after heater controls temperatures of the upper and lower sides separately. This capability brings more flexible and convenient operation.
Examples of temperature control on the upper side:
1. Raising the temperature for speed up ink drying.
2. Reducing the temperature for reducing cockling on transfer paper.
* Depending on print media, external heater may be needed. (External heater is sold separately.)

External drying heater / Print head / Print heater / Media / Post-heater 1 / Post-heater 2

Mist absorption filter

The mist absorption filter prevents troubles caused by ink mists and enhances the stability of print operations by suctioning the mist inside the printer and discharging it.

UISS (Uninterrupted Ink Supply System)

Two ink bottles per color can be set in 4-color mode. When an ink bottle runs out, another bottle of the same color automatically starts supplying ink.

User friendly RIP "RasterLink 6" comes standard

RasterLink 6

◆ More beautiful and advanced print results are achieved by following user friendly interface without complicated operation.
◆ Color replacement function enhances the ability to re-create printed images.
◆ Printing 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.

Software RIP for Multi Color Separation

Tx LINK Pro
* Optional

◆ Spot color can be assigned to each color on separation plates.
◆ ICC profile creation from CMYK + spot colors.
◆ Colors replacement on Raster data.
◆ A variety of paneling functions including step-and- repeat layout.

■ Specifications

Item		TS500-1800
Head		On-demand Piezo head (6 printheads with 3 staggered conformation)
Maximum width		1,890 mm (74.4")
Print resolution		300、450、600、900、1,200 dpi
The fastest print speed		150㎡/h（300x300(HQ)dpi, 2 pass, Bi-directional, Normal speed, 4-color）
Print mode	4 color (Uni- / Bi-directional)	300×300dpi、300×300HQ、300×450HQ、600×600dpi、600×900dpi、600×1200dpi
	6 color (Uni- / Bi-directional)	300×300dpi、300×300HQ、600×450dpi、600×600dpi、600×900dpi、600×1200dpi
Ink	Sublimation Ink Sb300	6 color（Bl, M, Y Bk, LBl, LM）
	Ink supply system	2L bottle / each color
	Ink degassing module	Equipped with MDM-20
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: φ300 mm (11.8"), Inside: φ76 mm (3.0")
	Cutter	Y-direction cutter after head section
Drying device		3 way intelligent heater (Pre/Print/After)
		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 environment		Temperature: 20°C-30°C (64-86 °F); Humidity: 35-65 % RH (non condensing)
Dimensions（W×D×H）		3,810x1,400x1,700 mm (150.0"x55.1"x66.9") (*1)
Weight		750 kg (1,653lbs)

*1 Ink supply unit is not included in the dimensions

■ 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-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

■ Relative Product

⟨Direct Sublimation⟩ High-Speed Inkjet Printer

Tx500-1800DS

User friendly RIP "RasterLink 6" comes standard
RasterLink 6
Software RIP for Multi Color Separation
Tx LINK Pro * Optional

Our factory is certified according to ISO14001:2004