

Shape Your Expression as Desired with Ultra-Safe Eco Sublimation Transfer Ink and Specialized Textile Software

Highly Safe Eco Sublimation Transfer Ink **MLSb510**

High density and wide color gamut MLSb510, delivers vivid and striking results

MLSb510 is also safe and environmentally friendly, boasting ECO PASSPORT certification, and is certified ZDHC MRS L Conformance Lv.3.



More Advanced Textile RIP Software for Professional Use

TxLink4™

- Parallel RIP functionality improves work efficiency
- Smoother gradients with 16-bit rendering
- Easy nesting operation saves media, etc. Nesting functions to suit your application
- Variable data print function ideal for sportswear
- Image masking process is possible within TxLink4
- PDF transparency effects can be faithfully rendered and reproduced

Product specifications

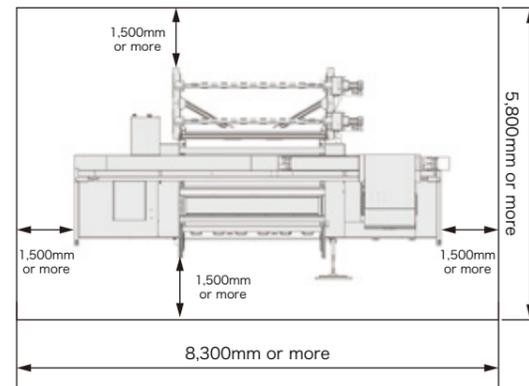
| Item | Tiger600-1800TS | |
|-----------------------------|---|--|
| Print head type | On-demand piezo print head | |
| Number of print head | 8 units (4 in-lined x 2 staggered layout) | |
| Print resolution | 300dpi, 600dpi | |
| Maximum print width | 1,850mm (72.8") | |
| Minimum print width | 210mm (8.3") | |
| Maximum media width | 1,900mm (74.8") | |
| Paper core diameter | 3 inches | |
| Media roll diameter | 600mm or less (≤ 23.6") | |
| Media weight | 300kg or less (≤ 661.4 lb.) | |
| Ink | Type/Colors: Sublimation Transfer MLSb510 (Bl/M/Y/K) Content: 10kg Ink Tank | |
| Interface | Ethernet 10GBASE-T USB2.0 (Removable Disk) | |
| Operation method | Built-in touch panel | |
| Operation software | Exclusive Software MPC (Mimaki Print Controller) | |
| RIP Software | TxLink4 Standard / Professional | |
| Compatible Standards | ETL compliant with IEC62368-1, CE marking (EMC Directive, Low Voltage Directive, Machinery Directive) CB certification / RoHS / REACH / RCM / KC certification / UKCA | |
| Power | 3φ 380-415V ± 5%, 50/60Hz ± 1%, 25A | |
| Operational environment | Operation temperature | 20-30 degC / 68-77 degF |
| | Humidity | 35-65% RH (Non-condensing) |
| | Dust level | 0.15mg/m ³ or less (Equivalent to a general office floor level) |
| Power consumption | Maximum operating altitude | 2,000m |
| | Max. operating | 15.0kW or less |
| External dimensions (WxDxH) | Standby | 1.0kW or less |
| | Weight | 5,300x2,800x1,900mm (209"x110"x75") |
| | | 1,620 or less (≤3,572 lb.) ^{1) 2)} |

¹⁾: Total of entire system
²⁾: paper and ink weight are excluded

Supply items

| Item | Code | Descriptions |
|-------------------------------------|-------------|-------------------------|
| Sublimation Transfer Ink MLSb510 | Blue | MLS51-BLT-BJ |
| | Magenta | MLS51-MT-BJ |
| | Yellow | MLS51-YT-BJ |
| | Black | MLS51-KT-BJ |
| Maintenance liquid | ML03 bottle | ML003-Z-K1 200ml bottle |

Installation space



Entering within 1 meter of perimeter is extremely dangerous during the production

For
**TEXTILES &
APPAREL**

1.8m Wide High-Speed Sublimation Transfer Inkjet Printer **Mimaki** *Tiger600-1800TS*

High-Speed and High-Quality Digital Textile Printing Era Has Arrived



● Some of samples in this catalog are artificial renderings. ● Specifications, design and dimensions stated in this catalog may be subject to change without notice for technical improvements etc. ● The corporate names and merchandise names written in this catalog are the trademark or registered trademark of the respective corporations. ● Inkjet printers print using extremely fine dots, so colors may very slightly vary after replacement of print heads. ● Also note that if using multiple print units, colors could vary slightly from one unit to other (s) due to slight individual differences. ● The specifications described in this catalog are as of December 2023.

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Mimaki Global Network

| | | | |
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| USA | MIMAKI USA, INC. | Indonesia | PT. MIMAKI INDONESIA |
| Brazil | MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA | Australia | MIMAKI AUSTRALIA PTY. LTD. |
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Tiger600-1800TS

Unparalleled productivity !

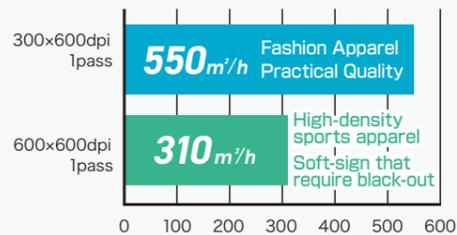
Next-Generation Tiger :
Unparalleled Productivity
and Superior Image Quality

Print Speed
Max. **550m²/h**

Mimaki's original print technology and mechanism design, together with a new high-speed drive print head. The new [Tiger] was born with high productivity and image quality, setting the stage for the future of digital textile printing.

[Tiger600-1800TS] with Mimaki's accumulated technologies, embodies practical image quality and productivity for textile and fashion applications. It is a product that brings you to the world of sustainable digital textile printing.

Recommended Print Speed (by applications)



*Above are expressions based on internal evaluations and are not guaranteed for all applications.

Smart design !

Space-Saving and Lightweight Design for Easier Installation

Both transfer paper set-up and take-out can be performed from one-side

- Operation footprint reductions : Approx. 50% vs previous model
- Product weight reductions : Approx. 80% vs previous model

Greatly easing installation location restrictions
- easier for customers to install the system



The Mimaki's Tiger series is reborn with a maximum speed of 550 sqm/h
Embracing the digital printing era - paving the way to a sustainable textile industry

New design !

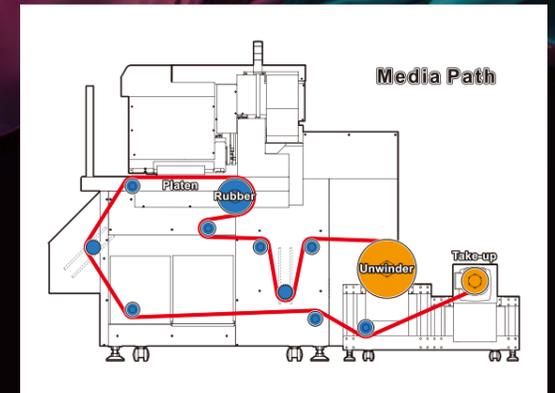
Advanced Transfer Paper Transport Mechanism : Stable Printing even with Thin Transfer Paper!

The Tiger600-1800TS features a newly designed wrinkle-removing roller within its transport system.

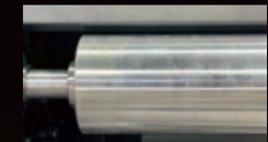
Previously, transport tension-induced wrinkles on the transfer paper led to cockling, causing the print head to touch the paper.

The newly designed roller allows wrinkles to escape when transport tension is applied, effectively preventing any contact between the print head and the transfer paper.

Ensuring stable transport of thin paper helps reducing running cost.



Standard roller



Wrinkle-removing roller



Light Curtain

Detects obstructions and halts printing to prevent accidents

Print Carriage

8-print head array achieves high productivity

Maintenance Switch

Switches
Printing-mode / Maintenance-mode

Wrinkle-Removing Roller

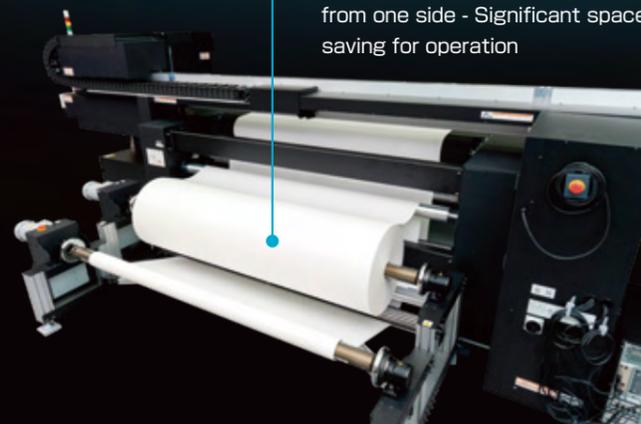
Reduces wrinkles of transfer paper due to transport tension. Smooth transport of thin transfer paper is supported.

Dryer Unit

Placed underneath the main unit, contributes to space-saving

Take-up/Unwind Unit (Rear Section)

Transfer paper loading/unloading from one side - Significant space saving for operation



Operation Software : MPC

Printer operation and production directive performed from the touch panel.

*Please prepare a PC for RIP software (Sold separately)

10kg Ink Tank Supply Unit & Internal Buffer Tank

Ink tank can be replaced during printing operation. In addition, the ink circulation function automatically agitates the ink in the system, contributes to less maintenance time and stable operation.

Purified Water for Automatic Maintenance

*Please make your own preparations

Continuous production!

Ink System Design and Support Functions for Continuous and Stable Production

A new ink system design implemented to reduce the risk of nozzle dropout during operation. The system is also equipped with support functions to ensure that customers can continue working even in the event of nozzle clogging.

NRS : Nozzle Recovery System

Even when head cleaning does not clear nozzle clog, productivity can be maintained.

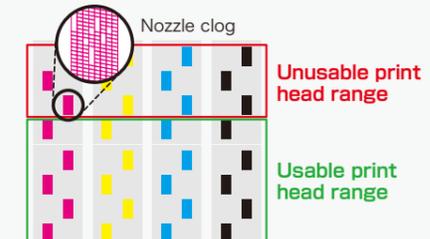


*Recovery may not work depending on nozzle clog positions

Head Select Function

The print process can be continued using the available range of print heads when large number of nozzles are clogged.

*Productivity varies depending on the usable range of print heads.



Without head select



When using head select

