



For
TEXTILES &
APPAREL

Water-based sublimation transfer inkjet printer
TS55-1800

Mimaki™

Software

TxLink4 Lite Edition or RasterLink6PLUS is bundled according to user's request.



Specifications

| Item | | TS55-1800 |
|--------------------------------|------------|--|
| Print head | | Head Assy Stagger layout |
| Print resolution | | 600 dpi, 720 dpi, 1200 dpi |
| Maximum print width | | 1,940 mm (76.4 in) |
| Maximum media width | | 1,950 mm (76.8 in) |
| Rolled media weight | | 45 kg (99.2 lb) |
| Ink slot | | 8 |
| Ink | Type/Color | Sb610 (B/Y/M/K/Lb/Lm/Lk/Fy/Fp) |
| | Capacity | 2L ink pack |
| Safety standard | | VCCI-Class A, FCC-Class A, UL 60950, CE Marking (EMC, Low Voltage Directive, Machinery Directive, RoHS Directive) CB Report, RoHS, ENERGY STAR, RCM, EAC |
| Interface | | USB 2.0 Hi-speed, Ethernet 1000BASE-T |
| Power | | Single phase AC 100-120 V/AC 200-240 V × 1 |
| Power consumption | | (AC 100 V) 1.44 kW (AC 200 V) 1.92 kW or less |
| Operational environment | | Temperature: 20-30 degC (68-77 degF) Humidity: 35-65% Rh (Non condensing) |
| Outside dimensions (W × D × H) | | 3,240 × 713 × 1,857 mm (127.6 × 28.1 × 73.1 in) |
| Weight | | 202 kg (445.3 lb) |

Option

| Item | | Mini-jumbo roll unit |
|--------------------------------|--|---|
| Roll media size | | Max. weight: Winding 100 kg (220.5 lb) / Feeding 300 kg (661.4 lb) |
| | | Max. diameter: Winding 280 mm (11 in) / Feeding 600 mm (23.6 in) |
| | | Max. width: 1,950 mm (76.7 in) |
| | | Max. printable width: 1,940 mm (76.3 in) |
| Power | | Single phase AC 200-240 V × 1 |
| Power consumption | | (AC 200 V) 1.0 kW or less |
| Outside dimensions (W × D × H) | | 2,773 × 905 × 602 mm (109.1 × 35.6 × 23.7 in) |
| Weight | | 191 kg (421.1 lb) |

| Item | | 10kg Ink supply unit |
|--------------------------------|------------|--|
| Ink set | | 4-colors/6-colors/7-colors/8-colors *2 |
| Ink | Type/Color | Sb610 (B/Y/M/K/Lb/Lm/Lk/Fy/Fp) |
| | Capacity | 10 kg ink tank (Per color) Lk, Fy and Fp are supplied by 2L pack |
| Outside dimensions (W × D × H) | | 824 × 1,035 × 383 mm (32.4 × 40.7 × 15.0 in) |
| Weight | | 35 kg (77.2 lb) |

*2 The 6C, 7C and 8C are to be available later.

| Item | | Extended heater |
|--------------------------------|--|---|
| Power | | Single phase AC100-120V/AC200-240V±10% 50/60Hz ±1Hz |
| Power consumption | | (AC 100 V) 1.0 kW or less / (AC 200 V) 1.0 kW or less |
| Outside dimensions (W × D × H) | | 2,336 × 108 × 236 mm (91.9 × 4.2 × 9.2 in) |
| Weight | | 15 kg (33.1 lb) |

Supply

| Item | Item code | Description |
|---|--|-----------------|
| Sublimation transfer ink Sb610 2L Pack | SB610-BLT-2L | 2,000 ml pack |
| | SB610-YT-2L | |
| | SB610-MT-2L | |
| | SB610-KT-2L | |
| | SB610-LBT-2L | |
| | SB610-LMT-2L | |
| | SB610-LKT-2L | |
| | SB610-FYT-2L | |
| | SB610-FPT-2L | |
| | Sublimation transfer ink Sb610 10 kg Bottle | |
| SB610-YT-BJ | | |
| SB610-MT-BJ | | |
| SB610-KT-BJ | | |
| SB610-LBT-BJ | | |
| SB610-LMT-BJ | | |
| SB610-LKT-BJ | | |
| Flushing Liquid 03 Cartridge | FL003-Z-22-1-KA | 220ml cartridge |
| Flushing Liquid 03 2L Pack | FL003-Z-2L-1-SA | 2L Ink pack |

●Some of samples in this catalogue are artificial renderings. ●Specifications, design and dimensions stated in this catalogue may be subject to change without notice for technical improvements etc.
●The corporate names and merchandise names written in this catalogue are the trademark or registered trademark of the respective corporations. ●Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of print heads. ●Also note that if using multiple printer 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 March 2019.

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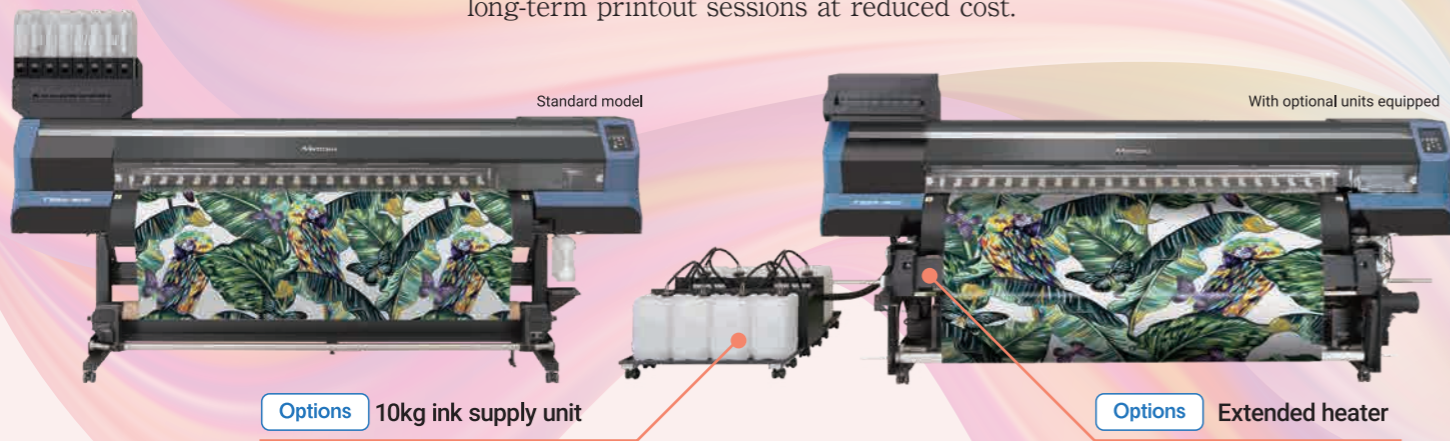


The evolution
of production printing



TS55-1800

The "TS55-1800" is a revolutionary sublimation transfer inkjet printer for apparel/textile achieving high-speed printout of up to 135 sqm/h (1,453 sq.ft/h), superior functionality and convenient options suited for stable, long-term printout sessions at reduced cost.



Options 10kg ink supply unit

Options Extended heater

Options Mini-jumbo roll unit

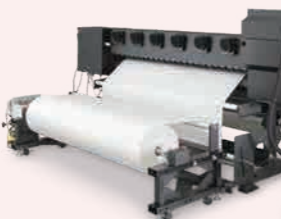


Rear view with optional units equipped

Options aiming for cost reduction

Mini-jumbo roll unit corresponding to high-speed, high-volume demands

This is a feeding unit to load the "Mimaki Vision Jet-X" transfer paper with a length of about 2,500 m (8,202 ft). It reduces the cost per square meter and shortens the downtime due to media replacement, when compared with the case using the previous 150 m (492 ft) -long transfer paper.



The mini-jumbo roll, "Mimaki Vision Jet-X" featuring approximately 2,500m (8,202 ft/h) of transfer paper is announced concurrently with model "TS55-1800". Previously using a transfer paper roll of 150m (492 ft) length to print at the maximum print speed (135 sqm/h; 1,453 sq.ft/h) of "TS55-1800", it was incapable to have a continuous printing like all-night operation without operators due to necessity of their paper replacing work. However the combination of the mini-jumbo roll, "Mimaki Vision Jet-X" and "TS55-1800" allows for extended printout sessions unattended. The mini jumbo roll also contributes to reducing the running cost of printer systems with lower per-square meter unit price in comparison to smaller rolls.



Extended heater supporting stable operation

The extended heater attached to the lower portion of the standard heater facilitates the drying of high-speed printing results.



10kg ink supply unit corresponding to extended successive printing jobs

Equipment of the large quantity of 10kg (22 lb) ink tank enables long-term successive operations such as over-night printout sessions. The tank achieves significant reductions in running cost and operation time over the standard 2 liter pack cartridges.

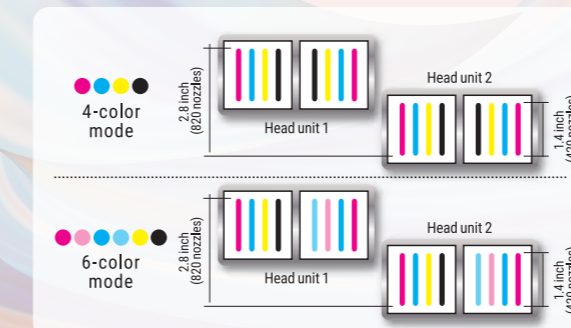


Providing for high productivity

Maximum printout speed mode 135 sqm/h (1,453 sq.ft/h) /Standard quality mode 50 sqm/h (538 sq.ft/h)

Adoption of the newly developed print heads ensures high-quality print even at a high speeds, achieving 130% productivity over our conventional model (TS300P-1800) with standard quality mode printing at 50 sqm/h (538 sq.ft/h). By newly enabling the use of "MAPS" function in high-speed mode (65sqm/h; 699 sq.ft/h) printing, TS55-1800 achieves excellent image quality even with high speed printing.

Print head configuration and layout



Technologies for uninterrupted reliable printing operations

"MAPS" functionality reduces banding

In ordinary textile printers, the straight pass boundaries often results in bandings and discoloration due to slight misalignment. The "MAPS (Mimaki Advanced Pass System)" functionality provides gradation to printed pass boundaries and maintains stable print quality by reducing banding and uneven color.

MAPS functional image

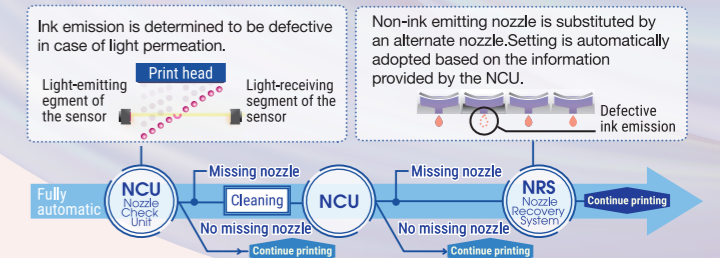


MAPS: OFF

MAPS: ON

Minimization of NCU/NRS downtime

Incorporates Mimaki's unique automatic nozzle check unit ("NCU"). When the NCU detects a missing nozzle, it automatically performs cleaning to solve the problem. If the missing nozzle remains unresolved after cleaning, printing is commenced upon switching to an alternate nozzle. The print can be restarted to maintain productivity, without the need to wait for a service representative.



Guaranteed beauty

Sophisticated Textile RIP software, "TexLink4 Lite Edition"

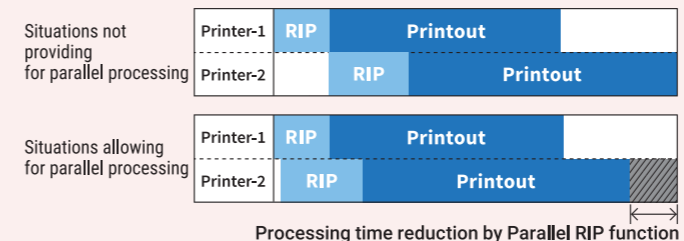
New functions were incorporated into the professional "TxLink" RIP software. "16-bit rendering", "Parallel RIP function" and "load balancing function"

Parallel RIP and load balancing functions make production more efficient.

The RIP process for multiple pieces of print data can be performed in parallel. In addition, thanks to the load balancing function for print jobs, jobs can be assigned to printers automatically, allowing efficient production when multiple printers are connected.^{1,2}

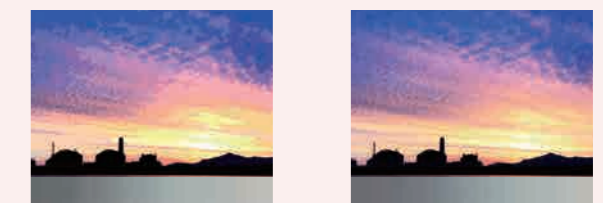
Parallel RIP function

RIP processes can be performed in parallel, making production that uses multiple printers² efficient. The parallel process function can handle up to 8 jobs.



Processing time reduction by Parallel RIP function

16-bit rendering³ achieves beautiful gradation expression.



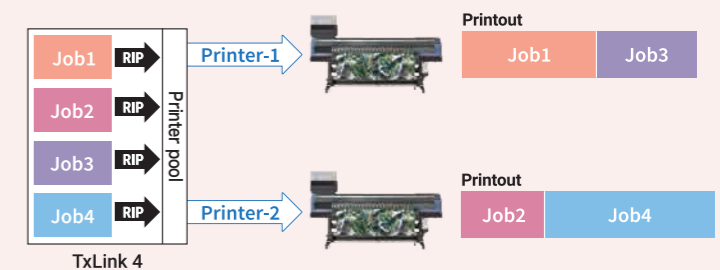
TxLink3 8-bit rendering

TxLink4 16-bit rendering

³ 8-bit rendering is used depending on the file format or color space.

Load balancing function

Print jobs are pooled and automatically assigned to multiple printers^{1,2} (Round Robin system)



TxLink 4

¹ Identical printers/identical ink-set printers. ² Additional printer licenses corresponding to the number of connected printers are required.