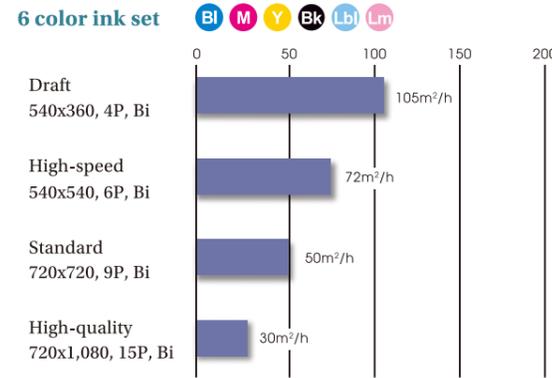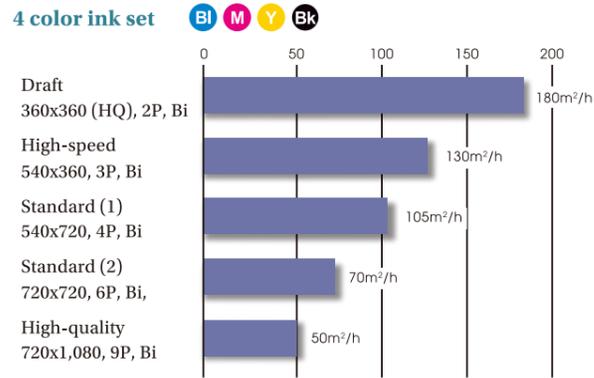# Maximum print speed (180 m²/h) achieves high productivity

The TS500P-3200 optimizes the printing speed and quality to produce the desired print results. For this purpose, it provides a wide range of printing modes, from the draft printing mode (which operates at the maximum speed of 180 m²/h) to high-quality printing mode.

4 color ink set Bl M Y Bk

Mode	Speed
Draft 360x360 (HQ), 2P, Bi	180m²/h
High-speed 540x360, 3P, Bi	130m²/h
Standard (1) 540x720, 4P, Bi	105m²/h
Standard (2) 720x720, 6P, Bi,	70m²/h
High-quality 720x1,080, 9P, Bi	50m²/h

6 color ink set Bl M Y Bk Lbl Lm

Mode	Speed
Draft 540x360, 4P, Bi	105m²/h
High-speed 540x540, 6P, Bi	72m²/h
Standard 720x720, 9P, Bi	50m²/h
High-quality 720x1,080, 15P, Bi	30m²/h

Software

One of RIP software package is bundled according to user's request.

Professional RIP software with new features and more advanced for textile printing

TxLink™4

- ◆ Color replacement function for Raster / vector data and CMYK / RGB images
- ◆ The "16 bit rendering" for super fine color gradation
- ◆ The "Parallel RIP " for high work efficiency

TxLink4 Standard — Optimizing digital textile print production

Newly upgraded RIP software with higher functionality and more user-friendliness

RasterLink6 PLUS

Simple icon display - Intuitive and easy-to-understand operability

Save operation time by registering settings as favorites

Specifications

Item		TS500P-3200
Printhead		On-demand piezo head (12 printheads are arranged in 3 staggered lines)
Print resolution		X: 360 dpi, 540 dpi, 720 dpi, 1080 dpi Y: 360 dpi, 540 dpi, 720 dpi
Maximum print width		3,290 mm (129.5 in)
Maximum media width		3,300 mm (129.9 in)
Ink	Type/Color	Sublimation dye ink: Sb310 (Bl, M, Y, K, Lbl, Lm)
	Package size	2 L bottle *Large ink containers (3 L) are installed in the ink supply unit
	Ink set	4-color: Bl, M, Y, K 6-color: Bl, M, Y, K, Lbl, Lm
Media thickness		0.2 mm or less
Roll media weight		130 kg (286.6 lb) or less Please note that the weight range is applied to the media after printing.
Certifications		VCCI class A, FCC class A, ETL UL 60950-1 CE Marking (EMC, Low voltage, Machinery directive, and RoHS), CB, REACH
Interface		USB 2.0 Hi-speed/Ethernet 1000BASE-T
Power supply		Single-phase AC200 – 240 V ±10%, 50/60 Hz ± 1 Hz
Power consumption		6,960 W or less
Operational environment		Temperature: 20 °C–30 °C (68 °F–86 °F) Humidity: 35%–65% Rh (non-condensing)
Dimensions (W × D × H)		Main unit: 5,620 × 1,800 × 1,820 mm (221.3 × 70.9 × 71.7 in) Ink supply unit: 950 × 510 × 730 mm (37.4 × 20.1 × 28.7 in)
Weight		Main unit: 1500 kg (3,307 lb) Ink supply unit: 30 kg (66.1 lb)

Supplies

Item		Product number	Note
Sublimation dye ink Sb310	Blue	SB310-BLT-BB	2 L bottle "ECO PASSPORT" Certification Ink (Certificate NoNEP1605)
	Magenta	SB310-MT-BB	
	Yellow	SB310-YT-BB	
	Black	SB310-KT-BB	
	Light magenta	SB310-LMT-BB	
	Light blue	SB310-LBT-BB	
Flushing liquid 03		FL003-Z-BB	2 L bottle
Flushing liquid 03 maintenance kit		ML003-Z-K1	Flushing liquid (200 ml bottle), Dropper (2 pc)
Maintenance kit		SPA-0188	HF filter (20 sht), Intake/Exhaust fan filter (30 sht), Googles (1 pair), Clean stick (10 pc)
Head filter		SPA-0189	HF filter (20 sht)
Mist absorption/exhaust fan filter		SPA-0190	Mist absorption/exhaust fan filter (30 sht)
Flushing box absorber		SPC-0813	FL sponge (10 pc)
NCU ink abosrber		SPC-0814	Felt (10 pc)
Blade		SPA-0192	Assembled lade part (1 pc)
Wiper rubber		SPA-0193	Wiper rubber (5 pairs)
Supply ink filter		SPA-0196	Filter (8 pc)
Waste ink tank SL		SPA-0197	Ink tank (1 pc)
3L ink tank cap		SPA-0284	A cap for a 3L ink tank (1pc)

Options

Item	Item code	Remark
MPM3	SPM-007	Color management software
MPM3 / Colorimeter set	MPM3+i1	Color management software + Colorimeter
TxLink4 Professional	A105385	Top level RIP software optimized for textile printing

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●Some of sample images in this catalog are simulated. ●Specifications, designs and dimensions stated in this catalog may be subject to change without notice (for technical improvements, etc).● All product and company names in this catalog are trademarks or registered of the respective companies. ●The printhead ejects extremely fine dots for printing, and therefore printed colors may vary after replacing the printheads. ●When using multiple printer units, printed colors would be different slightly because there is a slight difference among those units. ●Depending on image files used for printing, the print quality would be affected when printing in a low-resolution mode with the lowest number of passes.●The specifications described in this catalog are as of August 2022.

For TEXTILES & APPAREL

3.2 m Superwide Format Sublimation Inkjet Printer

Mimaki™

TS500P-3200

Reliable Mechanism for High Productivity

Reliable Mechanism for High Productivity

Custom digital printing for draperies, linens, and upholstery fabrics is becoming increasingly popular because many people want to add a personal touch to their home interiors.

The superwide format TS500P-3200 inkjet printer can print on transfer paper up to 3.2 m wide, which is suitable for printing on home furnishing fabrics.

In addition, the TS500P-3200 delivers high productivity on these wide-format papers, with printing speeds of up to 180 m²/h while also maintaining high printing quality.
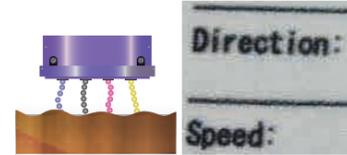
The new high-gap printhead achieves high-quality printing on cockled transfer papers

Low-cost thin transfer papers are liable to cockling*, which affects the quality of the printhead. To prevent the contact between the printhead and raised surface, a high head gap setting is required. In conventional models, such gap conditions reduce the accuracy of the ink droplet placement. The new TS500P-3200 employs a new printhead that ejects droplets at high speed to ensure accurate ink droplet placement with a high head gap, thereby enabling high-quality printing on thin papers.
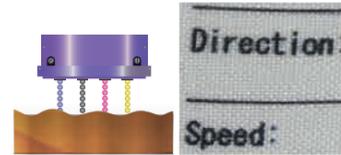
* Cockling: Wrinkling of the media surface because of ink absorption.

■ Conventional printhead

Inaccurate placement of the ink droplets leads to blurring in the printed text.

■ New printhead

Accurate placement of the ink droplets produces sharp, clear text.

Uninterrupted printing solutions

Continuous operation support pack minimizes the downtime

The Nozzle Check Unit (NCU) detects nonfunctioning nozzles and automatically cleans them. If the nozzles fail to operate after cleaning, defective nozzles are replaced by non-defective ones until a technician arrives, and printing is continued. This feature enables uninterrupted print operations and continuous productivity.

If ink is not being ejected, the light passes through.

Light emitter | Printhead | Light receiver

Depending on the NCU data, the non-defective nozzles are automatically used as substitutes.

Defective nozzle

Fully automatic — NCU Nozzle Check Unit — Clogged nozzles — Cleaning — NCU — Clogged nozzles — NRS Nozzle Recovery System — Continue printing

No clogged nozzle — Continue printing

No clogged nozzle — Continue printing

Built-in large (3 L) ink containers for long-time continuous printing

Large (3 L) ink containers are installed in an external ink supply unit. Ink can be filled into the container during long-time continuous printing.

A degassing module is installed on the printhead carriage to allow the use of affordable undegassed inks.

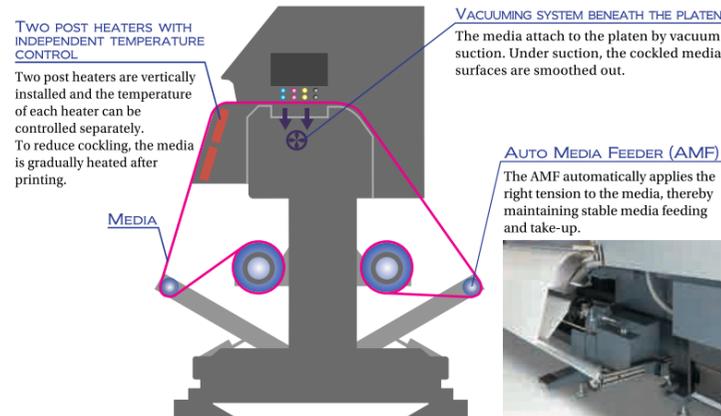## 3.2 m Superwide Format Sublimation Inkjet Printer
TS500P-3200

The maximum printable width is 3,290 mm and the maximum mountable media width is 3,300 mm.

Ideal for printing on home furnishing fabrics and indoor large soft signage.

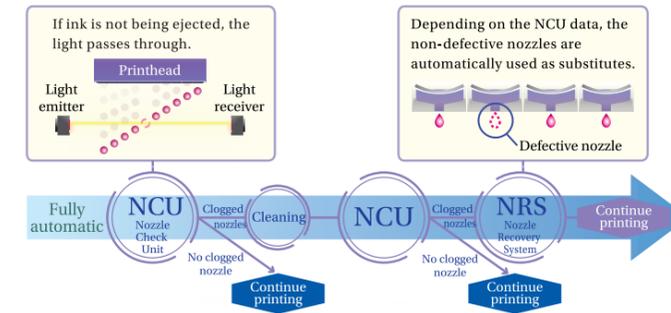## Cockling-reduction media transportation mechanism ensures stable printing

This reliable mechanism provides stable transportation for various types of paper, from thin to thick rolls (up to 130 kg), in order to ensure high-quality print results.

Two post heaters with independent temperature control
Two post heaters are vertically installed and the temperature of each heater can be controlled separately.
To reduce cockling, the media is gradually heated after printing.

Vacuuming system beneath the platen
The media attach to the platen by vacuum suction. Under suction, the cockled media surfaces are smoothed out.

Auto Media Feeder (AMF)
The AMF automatically applies the right tension to the media, thereby maintaining stable media feeding and take-up.

Media

Mimaki's print technologies

Mimaki Advanced Pass System 4 (MAPS4) reduces banding

Mimaki's unique anti-banding technique MAPS4 is an advanced version of MAPS3. To prevent banding, swath boundaries are overprinted, whereas boundaries prone to banding are printed with fewer ink droplets.
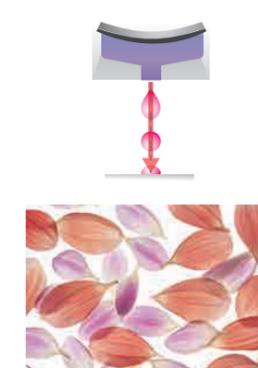
■ MAPS: ON

■ MAPS: OFF

Superior inkjet technology

Mimaki's superior inkjet technology accurately places the ink droplets without losing their perfect circularity. This ensures that texts, lines, and edges are clearly and sharply printed.

■ Waveform control applied

■ No waveform control