3.2 m Superwide Format Sublimation Inkjet Printer

TS500P-3200

Mimaki™

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 ㎡/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.
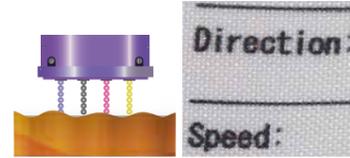
* Cockling: Wrinkling of the media surface because of ink absorption.

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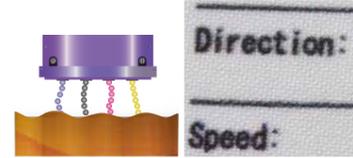
Inaccurate placement of the ink droplets leads to blurring in the printed text.

■ New printhead

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

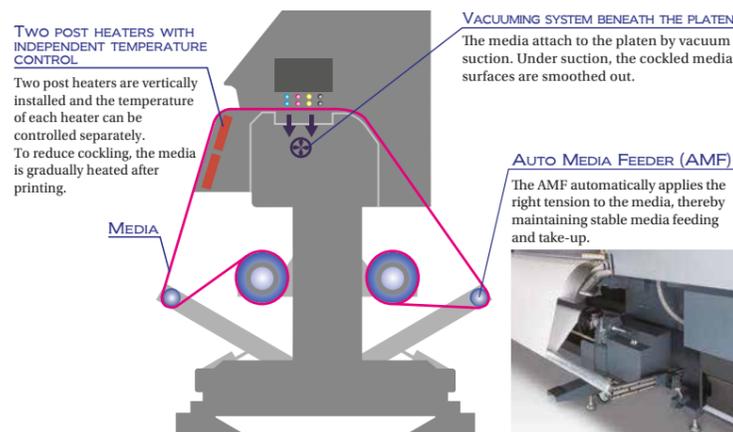### 3.2 m Superwide Format Sublimation Inkjet Printer
TS500P-3200

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.

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.

Printhead
Light emitter   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.

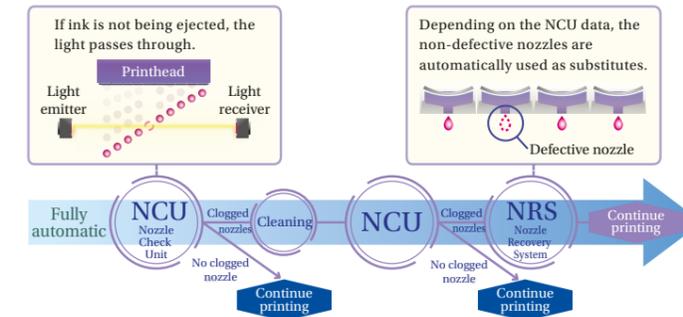## Cockling-reduction media transportation mechanism ensures stable printing

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.
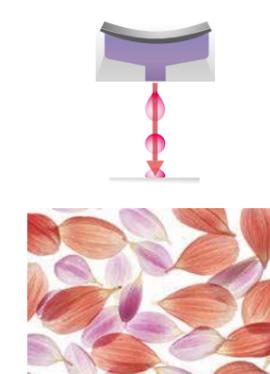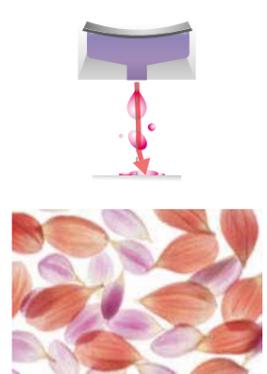
■ MAPS: ON

■ 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.
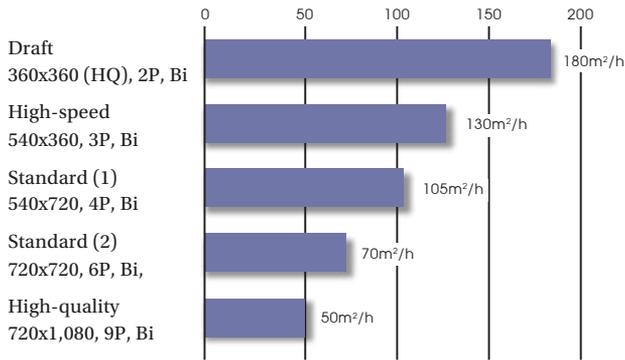
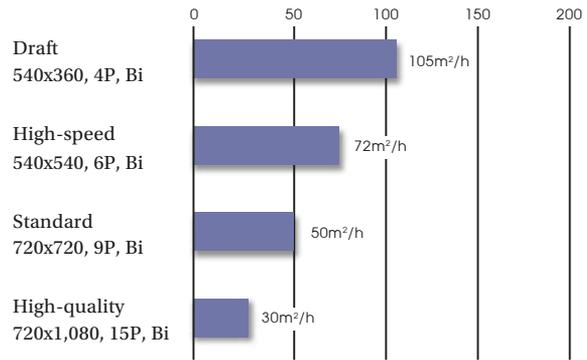■ Waveform control applied

■ No waveform control

Maximum print speed (115 m²/h) achieves high productivity

The TS500P-1800 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 115 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 software RIP for multi color separation
Software RIP for Multi Color Separation
TxLink3

◆ 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.

User friendly RIP "RasterLink 6"
RasterLink 6

◆ 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.

* TxLink3 standard edition is bundled.
  TxLink3 Lite edition is not compatible with TS500P-3200.

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)
Ink — Package size	2 L bottle *Large ink containers (3 L) are installed in the ink supply unit
Ink — 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%, 50/60Hz ± 1Hz
Power consumption	6,900 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
	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)

Options

Item	Product number	Note
Mimaki Target Color Emulator	SCE-001	Color emulation software and a colorimeter
Mimaki Profile Master II i1ProSet	SPM-005	Color management software and a colorimeter
TxLink3 Professional	STX-0009	High-end software model with color separation processing capability

CeluPal

● ● ● ● **DISTRIBUIDOR LÍDER EN PAPELES, PLOTTERS E INSUMOS**

Corporativo
📞 01800 000 CELU
✉ info@celupal.com

Sucursal Toluca
📞 (722) 283 1039
✉ toluca@celupal.com

Sucursal Querétaro
📞 (422) 340 7722, 23
✉ queretaro@celupal.com

Sucursal Celupal Monterrey
📞 (81) 1936 6074
✉ monterrey@celupal.com

Sucursal Guadalajara
📞 (33) 3619 5046
✉ guadalajara@celupal.com

Sucursal Mérida
📞 (999) 946 0908
✉ merida@celupal.com

Sucursal Algarín
📞 (55) 5519 2189
✉ algarin@celupal.com

Sucursal Chihuahua
📞 (614) 417 0071
✉ chihuahua@celupal.com

Sucursal Puebla
📞 (222) 222 9416
✉ puebla@celupal.com

Sucursal Cancún
📞 (998) 206 8489
✉ cancun@celupal.com

●Some of sample images in this brochure are simulated. ●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 on this catalogue are the trademark or registered trademark of the respective corporations. ●Print colors may slightly vary after replacing printheads because a high-resolution inkjet printer controls extremely small ink droplets. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences.

Mimaki Global Network

USA	MIMAKI USA, INC.
Brazil	MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA
India	MIMAKI INDIA PRIVATE LIMITED
Taiwan	MIMAKI ENGINEERING (TAIWAN) CO.,LTD.
Singapore	MIMAKI SINGAPORE PTE. LTD.
Europe	MIMAKI EUROPE B.V.
Indonesia	PT. MIMAKI INDONESIA
Australia	MIMAKI AUSTRALIA PTY. LTD.
China	SHANGHAI MIMAKI TRADING CO.,LTD.