

TS300P



Mimaki TS300P-1800 Dye-Sublimation Printer

High speed, dedicated dye-sublimation printer
for production transfer applications



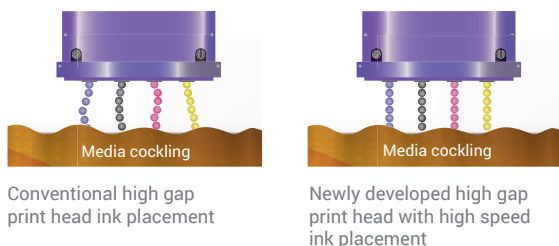
TS300P features-at-a-glance

- Transfer dye-sublimation printer.
- Employs a new print head for accurate, sharp high gap imaging on thin transfer paper.
- Uses Mimaki Sb410 sublimation ink.
- Bulk 2-liter ink pack delivery system.
- Print resolutions up to 1440 dpi.
- 76.7-inch media width.

THE LATEST SUBLIMATION TECHNOLOGY

New, accurate imaging high gap print head.

Thin transfer papers – providing more square footage per roll at a lower cost – are susceptible to cockling, creating media transport problems and potential head strikes. The TS300P printer employs a new print head that ensures accurate ink droplet placement with a high head gap, enabling high quality printing on thin transfer paper.



Cockling reduction media transfer mechanisms.

To further reduce the cockling effect of thinner transfer papers, the TS300P printer uses a powerful vacuum feed platen to hold media taut, while larger media press plates minimize cockling by reducing media uplift immediately after printing.

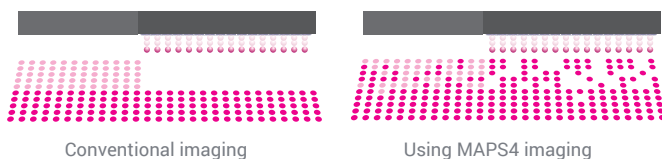
Stable media feeding and take-up.

The Automatic Media Feeder (AMF) mechanism continually adjusts the media tension at both the feed and take-up rolls for optimal high-speed printing. This automatic tensioning also eliminates media tunneling for accurate image transfer and less waste.



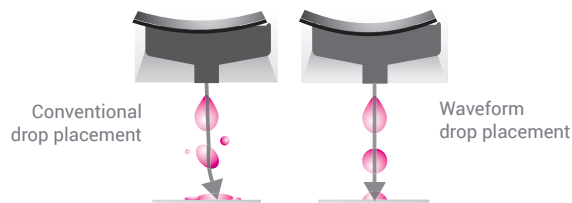
Mimaki Advanced Pass System 4 (MAPS4) technology reduces the appearance of banding.

MAPS4 applies ink in gradations over several passes using a blending mask pattern. This unique imaging technology facilitates higher speed bi-directional printing by reducing banding created by uneven ink drying.



Superior inkjet technology provides precise, consistent high quality imaging.

Mimaki's proprietary Waveform inkjet technology controls the shape of the ink drop to an almost perfect sphere for precise placement. This results in sharper lines, text and image edges even at high speeds.



INK VERSATILITY

High-performance sublimation ink.

Mimaki-developed and manufactured Sb410 sublimation inks offer enhanced resolvability, which improves the print production yield by ensuring more stable ink jetting. Moreover, because the ink stability is improved, daily cleaning is easier and fewer regular cleanings are required, further contributing to cost reduction and higher throughput.



Mimaki Bulk Ink System 3 (MBIS3) for extended, continuous printing.

The MBIS3 accepts high capacity 2-liter ink packs for longer unattended printing and lower ink costs.

In 4-color mode Mimaki's automated Uninterrupted Ink Supply System (UISS) can be implemented to automatically switch from an emptied ink pack to the full ink pack for continuous unattended operation.

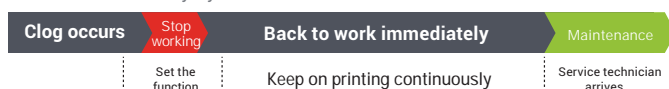


AUTOMATED QUALITY ASSURANCE

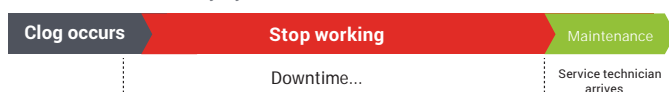
Real-time reliability.

TS300P printers are equipped with Mimaki's Nozzle Check Unit (NCU) that automatically detects and cleans clogged nozzles while the machine is printing. The Nozzle Recovery System (NRS) compensates for any nozzle which fails to clear. If for any reason the printer experiences nozzle drop out, rather than stopping, the printing operation can continue by registering with NRS that a particular nozzle has experienced a drop out.

With Nozzle Recovery System



Without Nozzle Recovery System



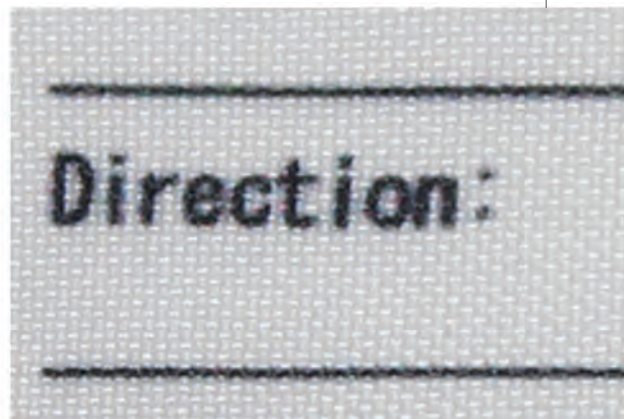
Production dye-sublimation printing. Revolutionized.

The **Mimaki TS300P** is a dedicated transfer paper wide-format printer, driving new levels of quality and productivity for digital textile and hard surface durable graphic applications. Specifically engineered for the dye-sublimation industry, the TS300P revolutionizes printing on thin transfer media, while maintaining extremely high quality output. New Mimaki engineered technologies, including deep black and near fluorescent Sb410 inks, a clutched media take-up system with automatic feed compensation, and high force variable drop piezo print heads deliver improved print production yields, unattended runs, and exceptional image quality. The TS300P printer provides the confidence to step up your transfer production, increase your throughput, reduce waste and return profit directly to your bottom line.



BUILT-IN 2-LITER BULK INK DELIVERY SYSTEM

Mimaki's Bulk Ink System 3, with its 2-liter ink packs, and automated Uninterrupted Ink Supply System (UISS) reduces operational costs by facilitating longer print runs. So you reduce operator intervention, increase printer utilization and operational output.



MORE ACCURATE HIGH GAP PRINT HEAD

Thin transfer papers are economical but prone to cockling, requiring a higher print head gap. The TS300P printer utilizes newly developed, advanced piezo print heads that ensure accurate ink drop placement and sharper images, even at the highest gap level allowing you to save cost without sacrificing throughput or quality.



SECURED MEDIA WITH PLATEN VACUUM

The platen media vacuum system and larger media press plates work together to moderate cockling and provide smooth media transport for accurate imaging. This means thin media stays in place even at production speeds with higher ink saturation.



NEW VIBRANT SB410 INKS

Mimaki-developed Sb410 dye-sublimation inks to produce richer blacks and vibrant, near-fluorescent colors. Mimaki's high production standards and proprietary formulation deliver confidence with consistent, reliable performance and low running costs making it easier for you to compete and deliver bottom-line profitability.



AMF MEDIA STABILIZER

High-speed dye-sublimation imaging requires accurate media feed and take-up. The Automatic Media Feeder (AMF) mechanism maintains consistent media tension and minimizes the possibility of tunneling enabling continuous high-speed printing of heavy rolled media. The AMF media stabilizer, by eliminating skew related waste, makes it possible to increase production and drive profitability.



FASHION APPAREL



HOME DECÓR



SPECIALTY ITEMS

A world of digital sublimation.

The TS300P printer, produces one-off, short-run and production run transfers for digital textiles and hard surface applications enabling you to generate higher revenues through faster, more reliable dye-sublimation printing. Produce transfers for an entire team's worth of performance athletic apparel, a runway full of top fashion textiles, soft signage, backlit and reflective signage, exhibit graphics, banners, flags, interior décor, novelties and more. Or print transfers for hard surfaces such as vehicle badges, ceramic tiles and plates, or promotional products.



ATHLETIC WEAR



FABRIC DISPLAYS

CHOICE OF SOPHISTICATED RIP SOFTWARE MAXIMIZES PERFORMANCE

RasterLink6

Intuitive and user-friendly operation

Simplify RIP operations.

The “Register as Favorite” feature saves regularly used RIP layouts and operations in a single window for quick retrieval.

Color replacement function.

This feature enhances the ability to re-create printed images.

Web software update function.

Program updates and profiles can be downloaded via the Mimaki USA website.

TxLink3

For digital textile applications

Color replacement function.

The color replacement function enables a user to specify the desired printing color as the target color – useful for reproducing corporate colors and creating colorways.

Step and repeat functions.

Large seamless patterns can be produced from a single image, including repeat and mirror patterns.

Multiple ICC profile creation.

Quick and easy procedure for creating new ICC ink profiles.

TS300P-1800 SPECIFICATIONS | INKS

Item		Specifications
Print Head		On-demand piezo head (4-heads, inline)
Print Speed (360x360, 1pass)		4-color: 1,238 sqft/hr 6-color: 700 sqft/hr
Print Resolution		360, 540, 720, 1080, 1440 dpi
Ink	Dye-Sublimation	Sb410: 4-color (Bl, M, Y, K) 6-color (Bl, M, Y, K, LBl, LM)
	Ink Supply System	2L packs
Drop Size		Min: 5pl Max: 25pl
Print Head Height		Manual adjustment: 2mm ~7mm Standard: 3mm
Maximum Print Width		76.3 in. (1,940 mm)
Media – Dye-Sub Transfer Paper	Maximum Width	76.7 in. (1,950 mm)
	Thickness	0.1 mm or less
	Roll Weight	88 lb. (40 kg) or less
	Print Aspect	Outside
Cutter		Y-direction cutter after head section
Media Take-Up Device		Roll take-up device, inside/outside selectable
Interface		USB2.0 / Ethernet
Applicable Standard		VCCI class A, FCC class A, UL 60950-1ETL, RoHS, REACH, EnergyStar CE Marking (EMC, low voltage and machinery directive), CB report, RCM
Power Specification		Single-phase AC 100~120V / 220~240V, ±10% 50/60Hz±1Hz
Power Consumption		AC100V: 1440W AC200V: 1920W
Operational Environment		Temperature: 64°F - 86°F
		Humidity: 35% - 65% Rh (non-condensing)
Dimensions (WxDxH)		126" x 33.4" x 73"
Weight		469.5 lbs. (213 kg)

Item	Color	2L Pack
Sb410 Sublimation	Blue	Sb410-BLT-2L
	Magenta	Sb410-MT-2L
	Yellow	Sb410-YF-2L
	Black	Sb410-KT-2L
	Light Blue	Sb410-LBT-2L
	Light Magenta	Sb410-LMT-2L

Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to another due to slight individual differences.

Some of the samples in this brochure are artificial renderings. Specifications, design and dimensions stated may be subject to change without notice (for technical improvements, etc.).

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