

SOPHISTICATED RIP SOFTWARE MAXIMIZES THE PERFORMANCE OF Tx500P-3200DS

A choice of RIP software is included

User friendly RIP

RasterLink 6

- More beautiful and advanced print results are achieved by following a user-friendly interface that is easy to operate.
- Colour replacement function enhances the ability to re-create printed images.
- Print colour can be simulated on Illustrator / Photoshop without an actual print.

*This function requires MPM2 (Mimaki Profile Master 2).

- Program update and profile download can be easily performed via internet.

Professional software RIP for multi colour separation

Software RIP for Multi Color Separation

TxLink 3

- Spot colour can be assigned to each colour on separation plates.
- ICC profile creation from CMYK + spot colours.
- Colour replacement on raster data.
- A variety of panelling functions, including step-and-repeat layout, which are useful for textile designing.

SPECIFICATIONS

Item	Tx500P-3200DS	
Printhead	On-demand piezo printhead (12 printheads arranged in three staggered lines)	
Print resolution	X: 360dpi, 540dpi, 720dpi, 1,080dpi Y: 540dpi, 720dpi	
Maximum print width	3,290mm	
Maximum media width	3,300mm	
Built-in ink fixation heater	Temperature	Standard, 180°C (Max 200°C)
	Transportation / Heating method	Vertical non-contact heating system
Ink	Type	Sb320
	Ink set	4-colour, Bl, M, Y, K 6-colour, Bl, M, Y, K, Lbl, Lm
	Package size	2L bottle (Large, 3L ink containers are installed in the ink supply unit)
RIP software	TxLink3 Standard, Rasterlink 6	
Settable paper tube diameter	1.0mm or less	
Roll media weight	130kg or less	
Roll media diameter	300mm or less	
Interface	Printing data	Ethernet 1000BASE-T (recommended) / USB2.0 Hi-speed
	Mail function	Ethernet 10BASE-T/ 100BASE-TX / 1000BASE-T
Certifications	VCCI class A / FCC class / UL775 compliance / CE Marking (EMC, Machinery directive, RoHS) / REACH	
Power supply	Printer	Single-phase AC200-240V ±10%, 50/60Hz ±1Hz, 29A or less
	Heater	Three-phase AC200V ±10%, 50/60Hz ±1Hz, 125A or less
Power consumption	Printer	7kVA or less
	Heater	50kVA or less (when 200V)
Operational Environment	Temperature	20 - 30°C
	Humidity	35 - 65% Rh (Non-condensing)
	Recommended Temperature	20 - 25°C
	Temperature change	±10°C / h or less
	Dust level	0.15mg/m ³ or less (Equivalent to a general office floor level)
Dimensions (W x D x H)	Printer: 5,620mm x 3,050mm x 1,820mm Ink supply unit: 960mm x 510mm x 730mm Heater inverter: 910mm x 600mm x 1,240mm	
Weight	Printer: 2,390kg Ink supply unit: 30kg Heater inverter: 140kg	

*We recommend Ethernet connection for optimum usage due to high processing speed of the printer. In the case of USB 2.0 connection, printing speed may be slow.

OPTIONS AND SUPPLIES

Name	Code	Remarks
Dye sublimation ink Sb320	Blue	SB320-BLD-BB
	Magenta	SB320-MD-BB
	Yellow	SB320-YD-BB
	Black	SB320-KD-BB
	Light blue	SB320-LBD-BB
	Light magenta	SB320-LMD-BB
Cleaning Liquid 03	FL003-Z-BB	2 litre bottle



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• Some of the samples in this folder are artificial renderings • Specifications, design and dimensions stated in this folder may be subject to change without notice (for technical improvements, etc.)
• The corporate and merchandise names written on this folder are the trademark of the respective corporations • Inkjet printers print using extreme fine dots, so colours may vary after replacement of the printing heads, also note that if using multiple printer units, colours could vary slightly from one unit to other unit due to slight individual differences • Composer's errors reserved

Tx500P-3200DS



3.2m Direct-to-textile Sublimation Inkjet Printer

Mimaki

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Mimaki

The world imagines... Mimaki delivers

THE POWER TO

create

Mimaki

Engineering excellence & creative innovation

Founded in Japan in 1975, Mimaki Engineering has steadily grown by reputation and influence into a global company with large operational bases in Asia and the Pacific, United States and Europe.

Renowned for award-winning performance, peerless build quality and innovative technology, Mimaki has established itself as a leading manufacturer of wide-format inkjet printers and cutting machines for the sign and graphics, textile and apparel and industrial markets. In addition, Mimaki also provides a comprehensive range of supporting products; hardware, software and associated consumable items, such as inks and cutting blades.

From outdoor signage and billboards to interior decoration and furnishing, from packaging and labels to promotional gifts and apparel, Mimaki is committed to developing technology that sets new industry standards, producing machines and products that turn the imagination of our customers into breath-taking reality.

Mimaki delivers

A volume production, 3.2m textile sublimation printer with inbuilt fixation.

Ideal for super wide soft signage, exhibition graphics and home furnishings, the Mimaki Tx500P-3200DS delivers single process print and fixation onto polyester, reducing production time and expanding business opportunities.

Tx500P-3200DS delivers

- Maximum print speed of 130m²/h (540x360dpi, 3pass Bi, 4 colour)
- Ink supply unit with 3L containers for long runs and reduced costs
- Inbuilt fixation for reduced production time
- Mimaki Advanced Pass System (MAPS)
- AMF and VTTS for stable textile transportation

- NEW Sb320 SUBLIMATION INK (2L BOTTLES)
- 3,290mm MAX PRINT WIDTH
- 130m²/h MAX SPEED
- 1,080dpi MAX RESOLUTION
- 4 OR 6 COLOUR INKSETS
- VERTICAL NON-CONTACT HEAT FIXATION SYSTEM
- POWERFUL SOFTWARE OPTIONS



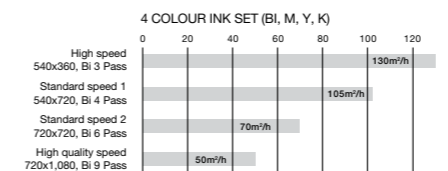
Tx500P-3200DS

Create

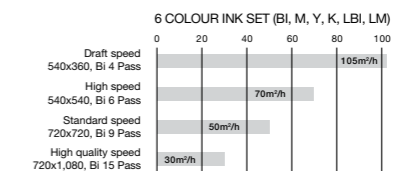
RETAIL TEXTILE GRAPHICS, LIGHTBOXES, SOFT SIGNAGE, EXHIBITION GRAPHICS, HOME FURNISHINGS AND UPHOLSTERY FABRICS, FLAGS, TEXTILE BANNERS, PORTABLE DISPLAY GRAPHICS AND MUCH MORE.

MAXIMUM PRINT SPEED: 130m²/h*

12 printheads, arranged in a staggered, 3-line array deliver a range of printing modes – from high-speed to high-quality ensuring options are available to best suit the required final print appearance.



*130m²/h (4 colour, high speed mode, 540x360dpi, Bi, 3 pass)

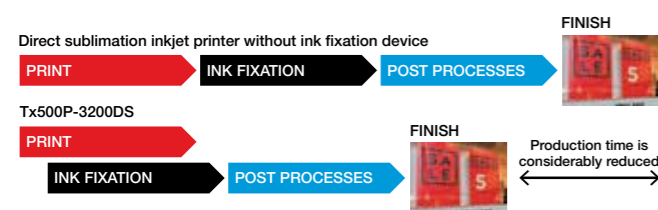


Depending on media type, the print speed and colouring conditions may vary. Before purchasing this product, we highly recommend conducting preliminary tests according to each customer's individual situation.

KEY TECHNICAL FEATURES

BUILT-IN INK FIXATION

Direct sublimation transfer printing requires the fixing of printed inks onto polyester using a heat process. The Tx500P-3200DS features an inbuilt fixation device, linked directly to the printer. Once the fixation device reaches the optimum temperature, the printer starts printing allowing the two components to operate together.



STABLE TEXTILE TRANSPORTATION



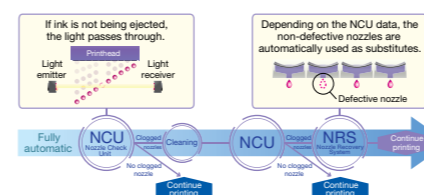
AMF^{*1} and VTTS^{*2} are installed in the feed and take-up units to ensure the stable transport of the rolled media (3.2m max width / 130kg max weight) and minimise textile shrinkage after heating. Additionally, a pulling roller smooths polyester fabrics which have a tendency to wrinkle. These features maintain the required tension throughout the printing process to deliver beautiful results.

*1 The AMF applies an appropriate tension to the textile through a tension bar.
*2 By pulling media down vertically, feeding errors are reduced and print stability increased.

CONTINUOUS UNINTERRUPTED PRINTING FEATURES

Nozzle Recovery Function

In the event of a nozzle malfunction not being repairable by the use of the maintenance function, printing can continue by the use of another nozzle, without any loss of productivity or a reduction in image quality.



Large Ink Supply Unit

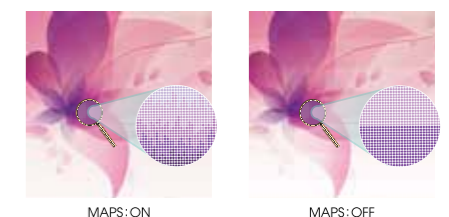
External ink supply unit with refillable 3L ink containers. A degassing module on the printhead carriage enables affordable undegassed inks to be used.



MIMAKI ADVANCED PASS SYSTEM (MAPS)

MAPS is Mimaki's unique anti-banding feature.

To prevent banding, swath boundaries are overprinted and boundaries prone to banding are printed with fewer ink droplets.



In addition, Mimaki's unique waveform control technology achieves precise placement of ink droplets onto material without losing droplet circularity, enabling sharp edges, characters and lines to be accurately printed.