

\*In the draft mode, ( ) figures show the resolution and the number of passes in the draft mode

Ink type

Ink type	Characteristics	Applications	Compatible materials			
			Cellulose fiber (cotton, hemp, rayon)	Protein fiber (silk, wool)	Polyester	Nylon
Sublimation dye ink	The ink is fixed on the polyester fabric by sublimation at high temperatures. Two printing methods, direct or transfer sublimation printing, are offered to meet production requirements. The sublimation-dye ink produces vibrant colors with excellent color reproducibility.	Soft signage Sports Uniform Apparel	Poor	Poor	Good	Poor
Disperse dye ink	Dye particles are dispersed in the aqueous solution by using dispersing agent. The ink is fixed by heating and has high durability.	Industrial textile printing Home furnishing Luxury apparel	Poor	Poor	Good	Good
Textile pigment ink	Only a heating process is needed for color fixation. Post processes are remarkably simplified because steaming, washing and drying are not required. (※1)	Apparel Home furnishing	Good	Fair	Fair	Fair
Reactive dye ink	Molecules of dyes and fibers are stabilized by covalent binding and deliver high color fastness to water, rubbing and light. This ink reproduces accurate colors vibrantly.	Apparel Home furnishing	Good	Fair	Poor	Poor
Acid dye ink	Excellent vibrant color reproducibility on animal fibers, and on synthetic protein fibers like nylon.	Apparel Home furnishing	Poor	Good	Poor	Good

\*One ink type can be selected at the time of purchase to be loaded to the printer; please note that the ink type cannot be changed once it is loaded.  
 \*Fastness varies depending on output conditions (ink amount) and printed fabric (material). It is recommended to test in advance according to customer's usage situation.  
 ※1 : Steaming, washing and drying processes would be required depending on print conditions.

The definitive edition of textile software RIP

# TxLink3

Three editions are available

<p><b>TxLink3 Professional</b></p> <p>High-end edition with all useful functions including "Color combine"</p>	<p><b>TxLink3 Standard</b></p> <p>Optimizing digital textile print production</p>	<p><b>TxLink3 Lite</b></p> <p>Entry model with select practical functions</p>
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## High-performance software RIP produces a new color expression

TxLink3 supports the RGB color model and raster images, which are widely used in digital textile printing. In addition, useful function modules, including color replacement, step, and repeated pattern creation are also provided. Multicolor profile creation allows printing using spot colors and delivers a wider color gamut and higher color reproducibility compared with four-color process printing.

### point 01 Color replacement

The TxLink3 can replace colors in a range of image data formats, including raster, vector, CMYK, and RGB. The target color is represented by specifying CMYK or Lab values. Color patches on the chart can also be used as the target color.

**Changing the color to the target color**  
 This function is useful if the printed color differs from the target color. The color data can be replaced to reproduce the target color.

**Print Similar Colors**  
 This function allows you to find appropriate color values for the target color. A similar color chart can be printed using the "Print Similar Colors" tool in the "Swatch Books" and "Named Colors" dialog boxes.

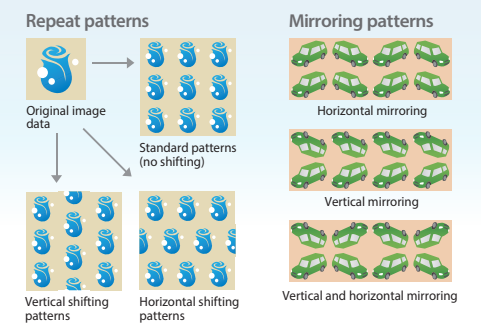
**Color replacement on raster data broadens the range of colors**  
 Color replacement is critical for textile printing. The TxLink3 offers simple color replacements on raster and vector data as well as the ability to produce different color patterns. Various color replacement functions can represent desired colors.

**Workflow of color replacement**

- 1 Load the image for printing
- 2 Select the color to be replaced
- 3 Specify the replacement color
- 4 Print

### point 02 Step and repeat

One large seamless pattern can be created from smaller image data. Furthermore, several shifting and mirroring patterns are provided to add design variation.



### point 03 Multicolor profile creation

A multicolor profile for CMYK and spot colors (blue, red, orange, and other colors) can be created. The profile is created automatically by following the wizard. Users only have to print and measure\*1 the color chart.

**A wide RGB gamut can be represented**  
 Spot color broadens the color gamut range and produces smooth print results.

**Multicolor profile creation procedures**

- 1 Specify the ink color for each ink slot
- 2 Set the total ink limit
- 3 Measure the ink density error (adjustment of ink density gradation)
- 4 Multicolor profile creation

Supported Printers

Printer	TxLink3 Professional	TxLink3 Standard	TxLink3 Lite
<b>TX300P-1800B</b>	✓	✓	✓
<b>TX500-1800B</b>	✓	✓	
<b>Leopard-1800B</b>	✓	✓	
<b>Tiger-1800B</b>	✓	✓	
<b>MM700-1800B</b>	✓		

● Some of the 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 on 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 the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences.

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Our factory is certified according to ISO14001:2004

For TEXTILES & APPAREL



# Textile Printer Lineup Catalog

1.8m wide belt convey type



**TX300P-1800B**  
**TX500-1800B**  
**Leopard-1800B**  
**Tiger-1800B**  
**MM700-1800B**



A wide variety to choose from.  
Mimaki's belt-type direct to textile printer.

Plateless digital printing, close to the market demand for high-mix, low-volume and quick delivery are few demands in the recent textile and apparel market to which our products answer. The new belt conveying model achieves an outstanding printing stability for sheer, knit and elastic materials so much demanded by textile and apparel industries. From samples and short run printing products, specifically to entry models, to mass-production and high-end models, our product line-up answers customer's finest details.

Entry

**TX300P-1800B**

Entry-level printing model, cost-effectively in producing samples, small runs and custom designs. Specially designed to be closer to customer and designer's site.

- Equipped with a hybrid function that can print both natural fiber and chemical fiber with the same unit.\*
- High quality printing on thick, woven or raised fiber textile, thanks to the high head gap option that prevent head strikes.
- MAPS4 reduces bending of textiles, resulting in beautiful results.
- NCU/NRC allows continuous and unattended printing.



\*Available from May 2017

High speed

**PRO series**

Based on high stability and high precision printing technology, the high speed range model matches the speed printing and beauty results. Two products with different printing speeds and resolutions are available.

- High speed production up to 385 m<sup>2</sup>/h (Tiger-1800B).
- Drop mode can be selected according to print data (3 drop mode / 4 drop mode).
- Equipped with 1 pass, 2 layer mode which is suitable for high density printing.
- Feed and take-up options according to customer's applications.



Medium speed

**TX500-1800B**

The balance between price and productivity is realized by this medium class model. Short and medium run for textile production is possible.

- Minimum drop size of 7picolitres realizes high-definition print.
- MAPS4 reduces bending of textiles, resulting in beautiful results.
- Nozzle recovery function has a high reliable performance.
- Large ink bottle supply system assures effective operation.



High end

**MM700-1800B**





A best-in-class, high-end model in terms of speed quality and stability. Made for the needs of mass-production.

- High speed production up to 800 m<sup>2</sup>/h.
- Reliable textile transportation mechanism in high speed mode.
- Camera calibration improves the accuracy of dot placement.
- Linear motor assures high precision printing.



Textile Printer  
**Lineup**



		<b>TX300P-1800B</b>	<b>TX500-1800B</b>	<b>PRO series</b>		<b>MM700-1800B</b>											
				<b>Leopard-1800B</b> 	<b>Tiger-1800B</b> 												
Print speed *1	Draft	54 m <sup>2</sup> /h *4-color / 540 dpi × 360 dpi / 2 Pass / Bi Hi	140 m <sup>2</sup> /h * 4-color (No CFC) / 300 dpi × 300 dpi HQ / 2 Pass / Bi	TBD	385 m <sup>2</sup> /h *2 *High-speed (3 droplet size) mode / 600 dpi × 600 dpi / 1 Pass / Bi / Textile width1,850 mm	800 m <sup>2</sup> /h *300 dpi × 300 dpi / 2 Pass / Bi											
	High-speed	39 m <sup>2</sup> /h *4-color / 540 dpi × 360 dpi / 3 Pass / Bi Hi	100 m <sup>2</sup> /h * 4-color (No CFC) / 300 dpi × 450 dpi HQ / 3 Pass / Bi	TBD	295 m <sup>2</sup> /h *2 *Standard (4 droplet size) mode/ 600 dpi × 600 dpi / 1 Pass / Bi / Textile width1,850 mm	560 m <sup>2</sup> /h *600 dpi × 600 dpi / 2 Pass / Bi											
	Standard	29 m <sup>2</sup> /h *4-color / 720 dpi × 720 dpi / 6 Pass / Bi Hi	60 m <sup>2</sup> /h * 4-color (No CFC) / 600 dpi × 900 dpi HQ / 6 Pass / Bi / High-speed scanning	TBD	210 m <sup>2</sup> /h *2 *High-speed (3 droplet size) mode/ 600 dpi × 600 dpi / 1Pass2Layer / Bi / Textile width1,850 mm	240 m <sup>2</sup> /h *900 dpi × 900 dpi / 3 Pass / Bi											
	High-quality	14 m <sup>2</sup> /h *4-color / 720 dpi × 1080 dpi / 9 Pass / Bi Hi	45 m <sup>2</sup> /h * 4-color (No CFC) / 600 dpi × 1200 dpi HQ / 6 Pass / Bi / High-speed scanning	TBD	155 m <sup>2</sup> /h *2 *Standard (4 droplet size) mode/ 600 dpi × 600 dpi / 1Pass2Layer / Bi / Textile width1,850 mm	140 m <sup>2</sup> /h *1200 dpi × 1200 dpi / 4 Pass / Bi											
Printhead		4 Single in-line arrangement		8 Single in-line arrangement		16 Arranged in 2 staggered lines											
Resolution		360 dpi, 540 dpi, 720 dpi, 1080 dpi, 1440 dpi		600 dpi		300 dpi, 600 dpi, 900 dpi, 1200 dpi											
Droplet size		Minimum: 6 pL / Maximum: 24 pL		Minimum: 5 pL / Maximum: 15 pL *2		Minimum: 5 pL / Maximum: 15 pL *2											
Maximum print width		1,880 mm		1,850 mm		1,850 mm											
Head gap		2 mm to 7 mm (Recommended gap: 3 mm)		1.5 mm to 7 mm (Recommended gap: 3 mm)		1.5 mm to 7 mm (Recommended gap: 3 mm)											
Ink	Type	Sublimation dye	Sb420	Bl, M, Y, K, Lbl, Lm	4-color / 6-color	Sb320	Bl, M, Y, K, Lbl, Lm	4-color / 6-color	TBD	TBD	TBD	TBD					
		Reactive dye	Rc400	C, M, Y, K, Bl, R, Or, Lk	8-color	Rc300	C, M, Y, K, Bl, R, Or, Lk	8-color	Rc500	C, M, Y, K, Bl, R, Or, Lk	8-color	Rc500	C, M, Y, K, Bl, R, Or, Lk	8-color	Rc600	TBD	TBD
		Acid dye	Ac400*3	C, M, Y, K, Bl, R, Or, Lk	8-color	Ac300	C, M, Y, K, Bl, R, Or, Lk	8-color	TBD	TBD	TBD	TBD	TBD	TBD	TBD		
		Textile pigment	TP400*3	C, M, Y, K, Bl, R, Lk	4-color / 7-color	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD		
	Dispersant dye	Dd400	C, M, Y, K, R, Gray, Violet, Pink	8-color	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD	TBD		
Packaging		2L ink pack		2L ink bottle		10 kg ink tank		10 kg ink tank		10 kg ink tank		20L ink tank					
Maximum loadable textile width		1,900 mm		1,830 mm		1,900 mm		1,900 mm		1,900 mm		1,800 mm					
Roll outer diameter		φ250 mm or less		φ400 mm		φ400 mm		φ400 mm		φ400 mm		φ250 mm					
Features	Pressure roller	Fixed pressure roller		Fixed pressure roller		Fixed pressure roller		Fixed pressure roller		Fixed pressure roller		Moving pressure roller					
	Smoothing roller	Motor-driven expand roller		Fixed expand roller		—		—		—		—					
	Wrinkle sensor	—		—		Wrinkle sensor		Wrinkle sensor		Wrinkle sensor		Wrinkle sensor					
	Media end sensor	—		Media end sensor		—		—		—		Media end sensor					
	Seam joint sensor	—		—		—		—		—		Seam joint sensor (Media end is also detected)					
	Textile centering	—		Centering sensor		Centering device (An optional roll media centering unit is equipped with this device.)		Centering device (An optional roll media centering unit is equipped with this device.)		Centering device (An optional roll media centering unit is equipped with this device.)		—					
	Jam sensor	—		Jam sensor		Jam sensor		Jam sensor		Jam sensor		Jam sensor					
	Ink level sensor	Float level sensor		Float level sensor		Capacitive liquid level sensor		Capacitive liquid level sensor		Capacitive liquid level sensor		Float level sensor					
	Media feed advancement distance monitor	Belt correction function (Displacement sensor correction)		CFC: Correct Feeding Control (Encoder correction)		—		—		—		Camera correction (Carriage camera control)					
Dimensions (W × D × H)		3,183 mm × 1,912 mm × 1,844 mm (125.3 in × 75.3 in × 72.6 in)		Main Unit : 3,830 mm × 2,600 mm × 1,800 mm (150.8 in × 102.4 in × 70.9 in) Heater : 3,101 mm × 1,905 mm × 1,170 mm (122.1 in × 75 in × 46.1 in)		Main unit : 5,120mm × 2,500 mm × 1,850 mm (201.6 in × 100.4 in × 72.8 in) Drier, Take-up unit : 2,870 mm × 1,300 mm × 1,035 mm (113 in × 51.2 in × 40.7 in)		Main unit : 5,750mm × 2,700 mm × 2,000 mm (226.4 in × 106.3 in × 78.7 in) Drier, Take-up unit : 2,825 mm × 1,300 mm × 980 mm (112.2 in × 51.2 in × 38.6 in)		5,200 mm × 5,750 mm × 2,000 mm (204.7 in × 226.4 in × 78.7 in)							
Weight		627 kg (1,382.3 lb)		Main Unit : 1,840 kg (4,056.5 lb) Heater : 300 kg (661.4 lb)		Main unit : 3,450 kg (7,605.9 lb) Drier, Take-up unit : 805 kg (1,774.7 lb)		Main unit : 4,800 kg (10,582.2 lb) Drier, Take-up unit : 1,200 kg (2,645.5 lb)		Feeding unit : 1,320kg (2,910.1 lb) Main Unit : 6,500kg (14,330 lb) Drier, Take-up unit : 1,160kg (2,557.4 lb) Additional drier : 891kg (1,964.3 lb)							

\*Specifications, design and dimensions may be subject to change without prior notice.  
\*1: Print speeds may not be achieved depending on ink type and print conditions.  
\*2: In case of RC500 (Reactive dye ink).  
\*3: TP400 (Textile pigment ink) 7colors, AC400 (Acid dye ink) available in the future.