

The definitive edition of textile software RIP

TxLink3 Standard

High-performance software RIP produces a new color expression

Color re-creation function

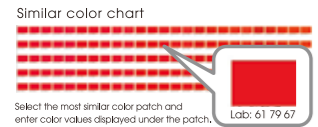
Wide range of color re-creation with Raster, Vector data, CMYK and RGB image. Specified color amount and laboratory values are ideally expressed. It can cope with colors configured in color patch.

Closer to desired color



Color re-creation function converts the printed and attempted color, when they are different, closer to the ideal 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.

Specifications

Item	Tiger-1800B	
Printhead	16 Staggered arrangement (each line has 8 printheads)	
Print resolutions	600 dpi	
Maximum print width	1,850 mm (72.8 inch)	
Maximum media width	1,900 mm (74.8 inch)	
Ink	Type / Color	Reactive dye ink : MLRc500 (C, M, Y, K, Bl, R, Or, Lk) / Acid : TBD / Sublimation : TBD / Pigment : TBD
	Package size	10 kg (22 lb) ink tank
	Loadable ink color	8-color
Settable paper tube diameter	2 inch	
Roll media diameter	φ400 mm or less	
Roll media weight	100 kg or less (standard unfolding and take-up unit)	
Certifications	CE Marking (EMC, Machinery directive), RoHS	
Interface	USB 2.0 / Ethernet	
Power supply	Main unit : 3 phase 380 V ± 10%, 50 / 60 Hz 50 A or less Dryerjet : 3 phase 380 V ± 10%, 50 / 60 Hz 30 A or less	
Operational environment	Temperature : 20-25 °C (68-77 °F) Humidity : 35-65% Rh (Non condensing)	
Power consumption	Printer : 22 kW Dryerjet and take-up unit : 14 kW	
Dimensions (W × D × H)	Main unit : 5,750 × 2,700 × 2,000 mm Dryerjet and take-up unit : 2,825 × 1,300 × 980 mm	
Weight	Main unit : 4,800 kg Dryerjet and take-up unit : 1,200 kg	

●Some of sample images in this brochure are simulated. ●Specifications, designs and dimensions stated in this brochure may be subject to change without notice (for technical improvements, etc). ●All product and company names in this brochure 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. ●Please note that descriptions and data in this catalogue are as of April 2020.

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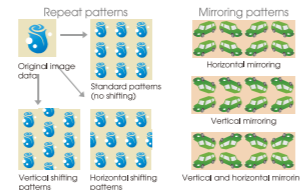
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For
TEXTILES &
APPAREL

Belt-Type Direct-to-Textile Inkjet Printer High-Speed Model **Mimaki™**
Tiger-1800B

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.

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* the color chart.

* Before measuring the color, please fix the color by heating. A colorimeter is not a standard feature of TxLink3.

Supply

Name	Code	Remarks
MLRc500 Reactive dye ink tank ECO PASSPORT certified ink	Cyan	MLR50-C-BJ
	Magenta	MLR50-M-BJ
	Yellow	MLR50-Y-BJ
	Black	MLR50-K-BJ
	Blue	MLR50-BL-BJ
	Light black	MLR50-LK-BJ
ML cleaning liquid	Orange	MLR50-OR-BJ
	Red	MLR50-R-BJ
		MLC01-Z-BJ



Tiger-1800B

With its outstanding stability and high-precision printing technology, "Tiger" is a model dedicated to quality and speed printing.

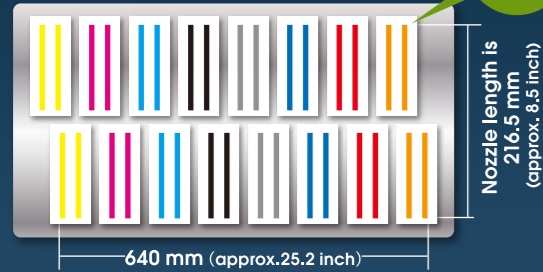


Max speed **385 m²/h**

Sample printing Short run printing High production printing

2,656 nozzles per one printhead (600 dpi)

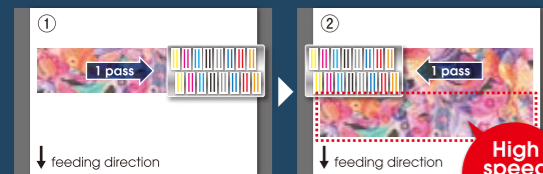
16 printheads arranged in two staggered lines



Tiger features 16 printheads (each line has 8 printheads) and allows a maximum high print speed of up to 385 m²/h*.

* high speed (3 droplet size) mode 600 x 600 dpi, 1 pass, Bi; textile width : 1,850 mm

■ Plotting Method A (1 pass mode)



In 1 pass mode all printheads are used. One print width is equivalent to two staggers, and printing at high speed is possible.

High speed printing is possible

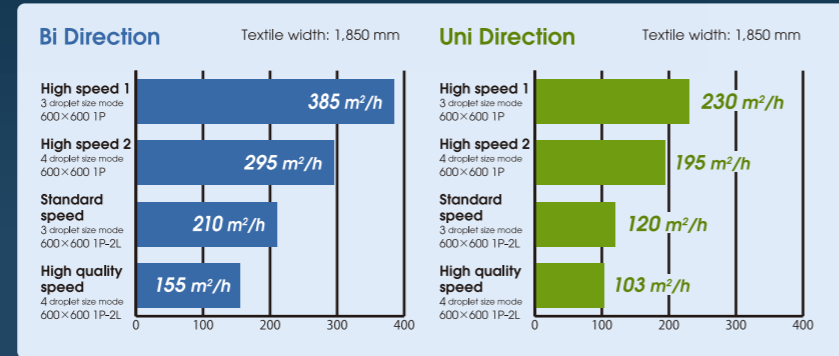
■ Droplet print mode

Depending on ink type and printing mode, there are 4 different droplet sizes. Droplet print mode can be chosen to match the print data from high speed and standard mode.



* Droplet size for reactive dye ink (Rc 500)

■ Print speed (Tiger-1800B)



■ Plotting Method B (1 pass, 2 layers mode)



In 1 pass, 2 layers mode, rear row stagger of the headprint is used and printing is at the same density as in 1 pass mode. Front row of the headprint prints overlapping on the same place. It is a 1 pass mode density x 2, which makes possible a high density printing results.

High density printing is possible

① High speed mode (3 droplet)

Ideal for fine design data such as thin lines and for light colors printing



* Droplet size for reactive dye ink (Rc 500)

② Standard speed mode (4 droplet)

Ideal for printing where density is required such as monochromatic colors



* Droplet size for reactive dye ink (Rc 500)

Reliable and Stable mechanism secures high-speed printing

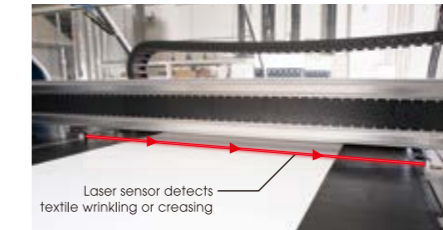
Twin pressure roller shafts

Textiles are uniformly applied without wrinkling onto the belt through the upper and lower rollers, assuring a stable quality during printing.



Wrinkle sensor

Detects textile wrinkling or creasing before printing. Laser sensor minimize potential damage to the printheads from collisions with raised or jammed textiles.



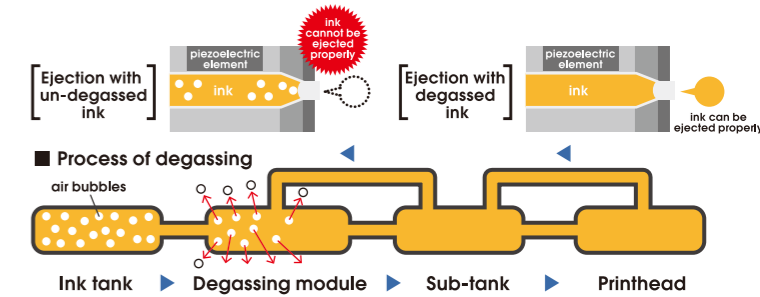
Jam sensor

Detects textile wrinkling when printhead carriage is scanning the textile and prevent contact with the printhead. Wrinkle and jam sensors minimize printhead troubles.



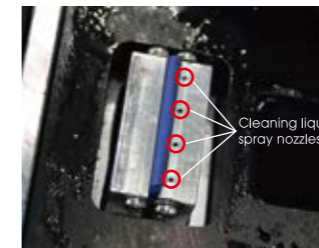
Degassing module and ink circulation mechanism maintain optimum ink conditions

Air bubbles generated in the ink can lead to missing nozzles because such bubbles act as cushion that decrease ink ejection power. To assure stable ink-jetting, "Tiger" has a degassing module that removes bubbles and constantly circulate ink.



Automatic wiper cleaning

Each printhead has its own cleaning wiper. Quick and effective cleaning is enabled while color mixing in the printheads is avoided. Cleaning liquid is automatically applied to each wiper before and after head cleaning and thus enhances the cleaning effect and continuously achieving stable printing quality.



Large-sized ink tank ensures cost-effective print operation

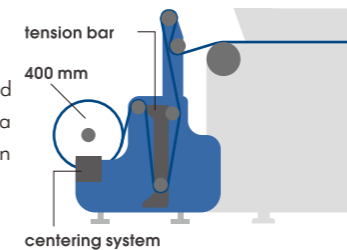
The bulk ink supply (10 Kg) delivers cost-effective printing and enables long-hour printing.



Extensive optional units for accommodating various applications

Roller textile feeding unit

This unit is used for feeding rolled textiles and is equipped with a centering system and tension bars.



Large heating unit

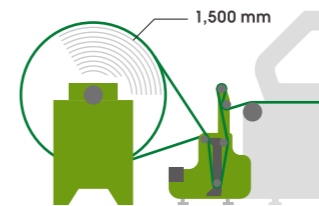
This unit can dry special and high density printed fabric. It is effective also for wool and the like which is difficult to dry.

* The standard size heating unit that comes with "Tiger" main unit is not needed when purchasing a large heating unit.



Jumbo roll feeding unit

This unit is used for feeding large-sized, long-rolled media and can be used with the feeding unit.



Folding arm unit

This unit folds and stores printed textiles. It can be used with both standard and large heating units.

