



MIMAKI

TX400-1800 D/B

Mimaki®

PrintMark ab

Line-up



Tx400-1800D Grid roller transport

Tx400-1800D is designed to print directly on textile substrates such as cotton, silk and polyester. Stretchable substrates that only stretch in one way (scan direction) can be printed on.



Tx400-1800B Belt carrier system

The belt carrier system locks the fabric in the belt thus enabling conveying without applying tension. This way even substrates that stretch or contract when getting wet can be printed.

Correspondence chart for D/B model

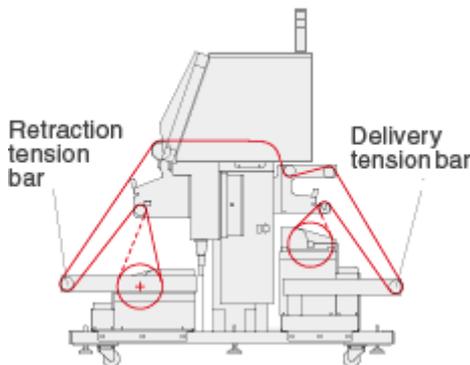
	Tx400-1800D	Tx400-1800B	Corresponding ink
Textile printing	○	○	Sb210/Rc210
Wet stretchable substrates	△	○	Sb210/Rc210
Direct sublimation	○	○	Sb210

Media transport system enables long automated print production

Tx400-1800D

Direct printing

Web tension is ensured by movable delivery/retraction bars that absorb tension differences and stabilize substrates so that high quality printing is made possible.



Tx400-1800B

High Speed Print

enables fast response times



* 1 High speed, bidirectional printing in high precise drop mode.

* 2 When belt encoder revision function is used on Tx400-1800B, print speed decreases appr. 20%.

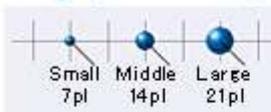
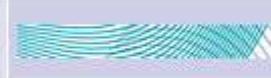
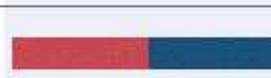
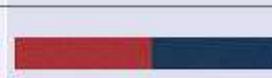
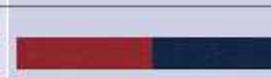
High Quality Print

shows sharp and exact dots with full color depth

Different ink drop sizes

Ink drop sizes can be selected according to the substrate and the intended design so that sharp and exact reproduction is made possible.

* As inkjet drops have a different appearance on different substrates, please test beforehand and choose the appropriate drop size for each substrate.

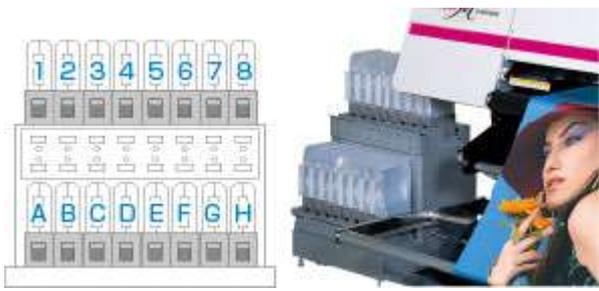
	High precise drop	Standard drop	High density drop
	 <p>Small 7pl Middle 14pl Large 21pl</p>	 <p>Small 7pl Middle 14pl Large 28pl</p>	 <p>Small 7pl Middle 21pl Large 35pl</p>
Line reproducibility			
Color depth			
	For precise fine lines and detailed printings	For standard designs and graphic printings	For deep colors and thick substrates, especially with long fibers

Continuous Print enables increased productivity

Bulk ink supply system

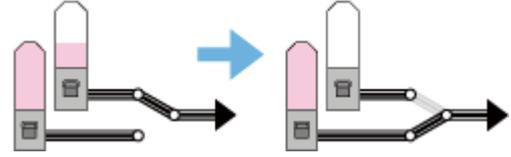
16 loading slots for 2L ink container each, thus in 4 color mode a maximum of 8L per color is enabled.

Bulk ink 2 liters x 16 slots



UISS (Uninterrupted Ink Supply System)

Mimaki's UISS (Uninterrupted Ink Supply System) will automatically switch whenever one ink container is empty to the other ink container of the same color. In addition, operators can exchange the ink containers even when the printer is at work. Therefore UISS enables long continuous print runs.



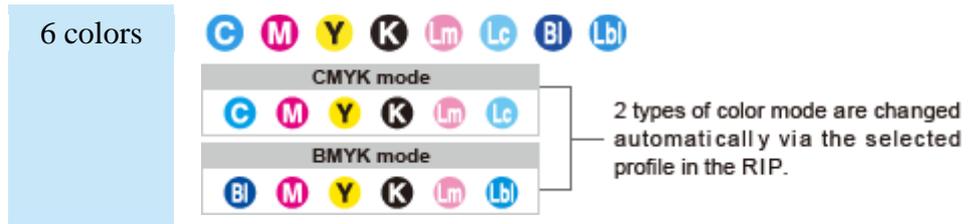
Empty ink containers are automatically switched and ink supply starts from the 2nd container of the same color.

Wide Variations for a broad variety of applications

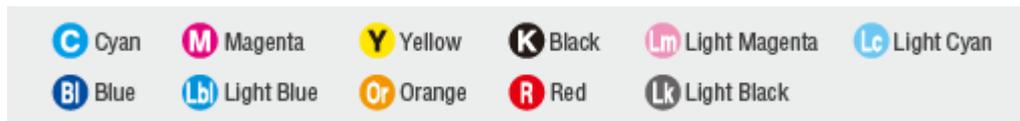
Color modes

Sb210 sublimation dye ink

4 colors C M Y K or Bl M Y K

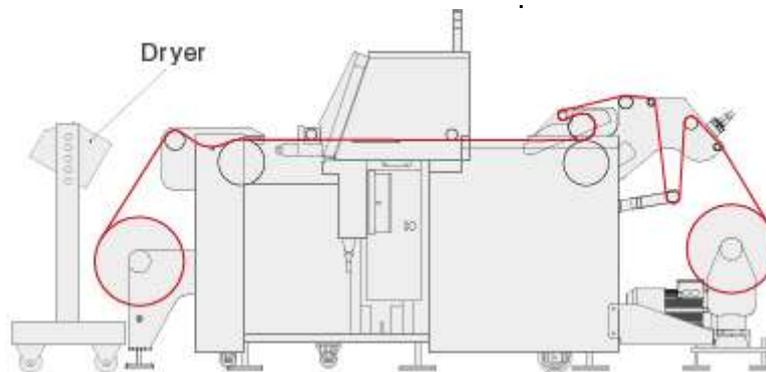


Rc210 reactive dye ink



Ink correspondence chart

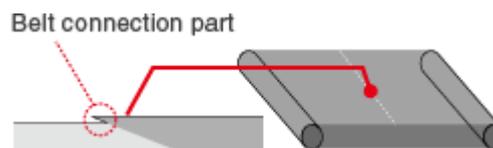
Ink type	Cotton	Rayon	Flax	Silk	Nylon	Polyester
Sb210 sublimation dye ink						○
Rc210 reactive dye ink	○	○	○	○	△	



Belt carrier system enables conveying of stretch materials

Belt encoder revision function

Uneven conveying of textile substrates can be counteracted by employing the belt encoder revision function. As the connection part of the belt shows a difference in thickness of 0.1 - 0.2 mm, without the belt encoder, this unevenness will usually impact long prints whereby the issue increases. In order to ensure high quality printing the belt encoder revision functionality should be used.



Specifications

		Tx400-1800D	Tx400-1800B
Printhead		On-Demand piezo heads in 3-layered staggered arrangement / 8 colors	
Maximum print width		1,850 mm (72.8")	
Media transport system		Grid roller transport	Belt carrier system
Print media	Width	210~1,860 mm (8.2"~73.2")	
	Thickness	up to 7 mm (0.27")	
	Roll diameter	up to ϕ 270 mm (10.6")	up to ϕ 400 mm (15.7")
	Inside diameter	1.5 - 3 inch	2 - 3 inch
	Weight	up to 38 kg (83.7 lb)	up to 44 kg (97.0 lb)
Ink	Type	Sublimation dye ink (Sb210), Reactive dye ink (Rc210)	
	Number of colors	4 colors, 6 colors, 8 colors possible	
	Capacity	16 slots per 2L ink containers in 8 colors mode: 2 containers/color (4L / color) possible in 6 colors mode: 2 containers/color (4L / color) possible in 4 colors mode: 4 containers/color (8L / color) possible	
Operating environment	Temperature	15 °C~30 °C (59 °F~86 °F)	
	Recommended temperature	20 °C~25 °C (68 °F~77 °F)	
	Temperature variation	less than \pm 10 °C (50 °F)	
	Humidity	35~65% Rh (no condensation)	
	Air	general office environment	
Interface		USB2.0	
Heather		****	Standard equipment
Power requirements	Printer	AC200 - 240 V \pm 10 % 50/60 Hz \pm 1 Hz, 7.5 A	
	Conveying belt section	****	3 ϕ Y380~420 V \pm 10% 50/60 Hz \pm 1Hz,36 A
Dimensions (W) x (D) x (H) including ink supply unit		4,300×1,550×1,600 mm	4,300×2,930×1,650 mm

	(169.2"×61.0"×62.9")	(169.2"×115.3"×64.9")
Installation space (W) x (D)	6,300×3,550 mm or more (248.0"×139.7" or more)	6,300×5,000 mm or more (248.0"×196.8" or more)
Carrying frontage	1,650 mm or more (64.9" or more)	3,000 mm or more (118.1" or more)
Weight	500 kg (1212.5 lb)	2,300 kg (5070.5 lb)

- 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 vary 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.



