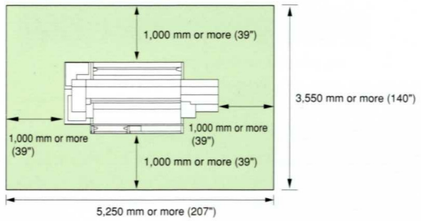
Specifications

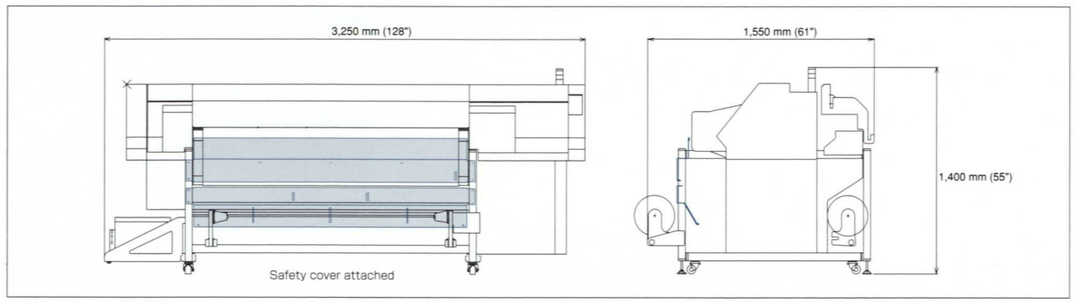
Heads	Type	Piezo electric drop on demand
	Head configuration	180 dpi x 360 nozzles x 8 colors
	Height	Adjustable between 1.3 mm to 10 mm (0.05" to 0.39") from belt surface
Printing mode *1	Pass Direction Scan speed Resolutions	2/3/4/6/8/12/16 passes Uni / Bi direction Normal / High 720×720 dpi, 360×720 dpi, 360×540 dpi, 360×360 dpi
Inks	Type	Acid dye / Reactive dye
	Supply	Double cartridge automatic switching & intermediate tank
	Capacity	max.1,000 cc x 2 + 40 cc (approx. 2.2 kg (4.9 lbs))
Perpendicularity		±0.5 mm /1,000 mm angle (±0.02" / 39.4" angle)
Fabric skew		5 mm / 10 m or less (0.2" / 393.7"or less) : in case of cloth roll left / right edge winding displacement of 5 mm (0.2") or less
Usable fabrics *2	Width	200 mm to 1,650 mm (approx. 8" to 65")
	Roll external diameter	φ270 mm (φ10.6") or less
	Roll weight	38 kg (83.8 lbs) or less
	Settable paper tube	φ50mm to φ79 mm (φ2" to φ3"), left / right reference position changeable
	Printing face	Face-in / Face-out
Printing	Effective area	1,620 mm (64")
	Margin (roll)	Leading edge: 2 m (7.9")(during initial setting to take-up device)
		Trailing edge: max.2.8m (11") (when end of fabric is removed from paper tube)
Interface		IEEE-1394 / IEEE-1284
Safety standards		VCCI Class A, FCC Class A / UL 60950 CE markings (EMC, low voltage directive) / CB report
Power	Body	AC100 V to 240V±10 % (auto voltage) 50/60 Hz±1 Hz
	Heater	AC100 V to 120 V/200 V to 240 V±10% (switchable) 50/60 Hz±1 Hz
	Blower	AC100 V to 120 V or AC200 V to 240 V±10% (factory preset) 50/60 Hz±1 Hz
Power consumption	Body	6 A or less (AC 100 V) / 3 A or less (AC 200 V)
	Heater	12 A or less (AC 100V) / 6.5 A or less (AC 220 V)
	Blower	5.5 A or less (AC 100 V) / 3 A or less (AC 220 V)
Operating environment	Available temp	15 ℃ to 30 ℃ (59°F to 86°F)
	Humidity	35 to 65 % Rh (No condensation)
	Guaranteed tempe	18 ℃ to 25 ℃ (64.4°F to 77°F)
	Dust	Office level
Dimensions(WxDxH)/weight		3,250 mm x 1,550 mm x 1,400 mm (128" x 61" x 55") or less 660 kg (1,455 lbs) or less

*1: Some combinations of Pass, Direction, Scan Speed, and Resolutions are not supported.
*2: The following types of fabric cannot be used. <1> Fabrics that do not wind well; <2> Fabrics with considerable moisture-related expansion/shrinking; <3> Fabrics with a large gummed portion that sags. <4> Fabrics that sag in the middle portion; <5> Fabrics with a narrow weave; <6> Particularly hard fabrics; <7> Fabrics that are twisted due to improper pre-processing.
Fabrics require preprocessing for inkjet printing before printing, as well as post-processing such as steam and washing after printing.

Installation space



External dimensions



Inks

	Color	Product Code	
		220 cc (Approx. 0.24 kg)	1,000 cc (Approx. 1.1 kg)
Acid dye inks	Black	SPC-0355K	SPC-0392K
	Cyan	SPC-0355C	SPC-0392C
	Magenta	SPC-0355M	SPC-0392M
	Yellow	SPC-0355Y	SPC-0392Y
	Light magenta	SPC-0355LM	SPC-0392LM
	Light cyan	SPC-0355LC	SPC-0392LC
	Gray	SPC-0355GR	SPC-0392GR
	Blue	SPC-0355BL	SPC-0392BL
	Red	SPC-0355R	

	Color	Product Code	
		220 cc (Approx. 0.24 kg)	1,000 cc (Approx. 1.1 kg)
Reactive dye inks	Black	SPC-0357K	SPC-0393K
	Cyan	SPC-0357C	SPC-0393C
	Magenta	SPC-0357M	SPC-0393M
	Yellow	SPC-0357Y	SPC-0393Y
	Light magenta	SPC-0357LM	SPC-0393LM
	Light cyan	SPC-0357LC	SPC-0393LC
	Gray	SPC-0357GR	SPC-0393GR
	Blue	SPC-0357BL	SPC-0393BL
	Orange	SPC-0357OR	SPC-0393OR
	Red	SPC-0357R	SPC-0393R
	Golden yellow	SPC-0357GY	SPC-0393GY

* The 1,000 cc cartridge will be on sale soon. (As of July 2004)

Print speed

360×360 dpi	High	27.0 m²/h
	Standard	15.0 m²/h
	Fine	8.1 m²/h
360×540 dpi	High	19.3 m²/h
	Standard	10.4 m²/h
	Fine	5.4 m²/h
720×720 dpi	High	10.0 m²/h
	Standard	5.5 m²/h
	Fine	2.7 m²/h

* 8-color mode: Printing speed for a printing width of 1,600 mm and bi-directional printing.
The printing resolution and printing speed may be restricted by the type of fabric and the pre-processing status.
The more narrow the printing width, the longer the printing time, even for the same printing area.

All our products are manufactured under our quality assurance system certified by ISO9001

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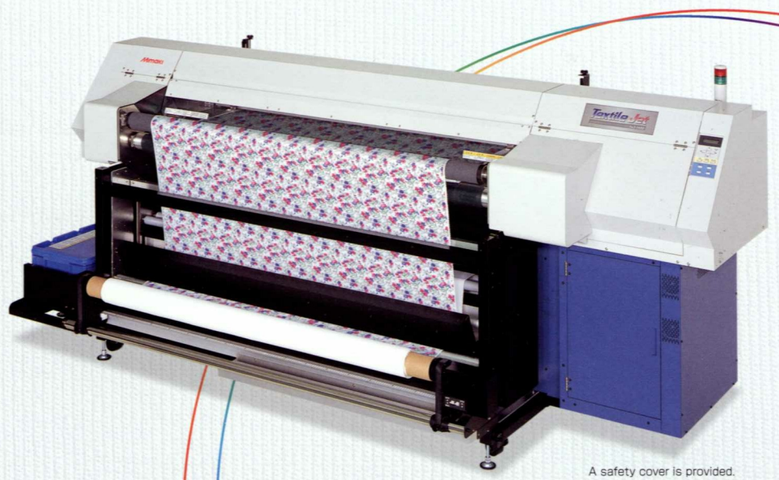
Inkjet Plotter for Digital Printing to Textile

Textile Jet Tx3-1600

Mimaki

From "Textile Print" to "Textile Art". The Tx3-1600 will amaze you.



A safety cover is provided.

New Textile Frontier Now ST ARTING

From soft designs to photorealistic designs,

The Tx3-1600 makes designers free by supporting stretchable material

to turn textiles into art.

Boosting work efficiency through unattended operation, the Tx3-1600 opens up new fields.

The Tx3-1600's new functions allow you to express your vision.

"Textile art" made up by technology.

Stretchable materials ... More creativity

- Supports stretchable materials by endless belt.
- Supports also thin materials by supply mechanism.

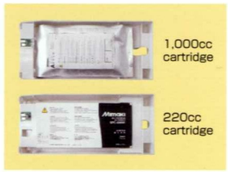
Unattended operation ... Guarantees long-duration printing

- Loading big 2 liter/color ink tank.
- ANR (automatic nozzle recovery) system.
- Supporting of large rolls of up to 270 mm.

Ink system

●Uses large ink cartridges

Overnight operation and long-duration printing are supported by two sets of 1,000 cc cartridges for each color. (Conventional 220 cc cartridges of the Tx2-1600 can be used.)

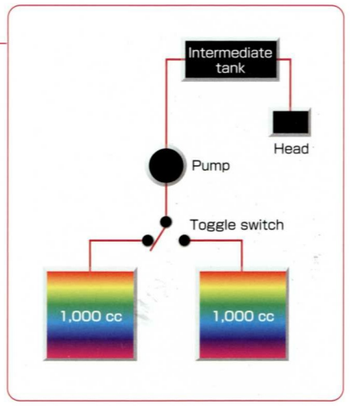


●Toggle switch

Cartridges can be replaced even during operation by using the automatic toggle switch for supply cartridges.

●Newly developed ink end detection function

This function reduces ink waste by allowing ink to be used to the last drop.



New Textile Frontier Now STRETCHABLE Materials

From soft designs to photorealistic designs,

The Tx3-1600 makes designers free by supporting stretchable material

to turn textiles into art.

Boosting work efficiency through unattended operation, the Tx3-1600 opens up new fields.

Revolutionary system opens up creation of beauty.

1 Supply mechanism

The supply mechanism is capable of feeding large-diameter heavy fabric. Moreover, this mechanism also supports thin materials or stretchable materials by sticking to the belt with a constant tension. The tension can be adjusted according to the fabric's weave, thickness, and stretchability.

2 Wrinkle removal mechanism

A wrinkle removal roller stretches the fabric outwards, resulting in less wrinkles.

3 Conveyor belt mechanism

Since the conveyor belt does not pull the fabric, printing stretchable materials is possible.
This also has the effect of minimizing fabric expansion/shrinking caused by ink absorption.

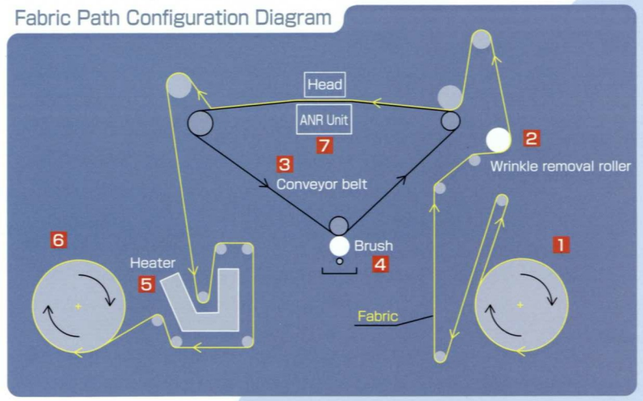
4 Washing mechanism

The conveyor belt can be washed with water and a brush through direct connection to a water supply and water exhaust system. Washing through the use of a simple circulation type water tank is also possible.

5 Drying mechanism

Once the fabric has been printed, it can be dried with a heater, reducing reverse side bleeding during take-up.

Fabric Path Configuration Diagram



6 Take-up mechanism

Both face-in take-up and face-out take-up can be selected according to the process after printing.
(winding up to 38 kg, 270 mm external diameter, is possible)

7 ANR (automatic nozzle recovery) system

The ink squirting status can be monitored and the heads will be cleaned up whenever necessary, thereby reducing printing problems caused by clogged heads.