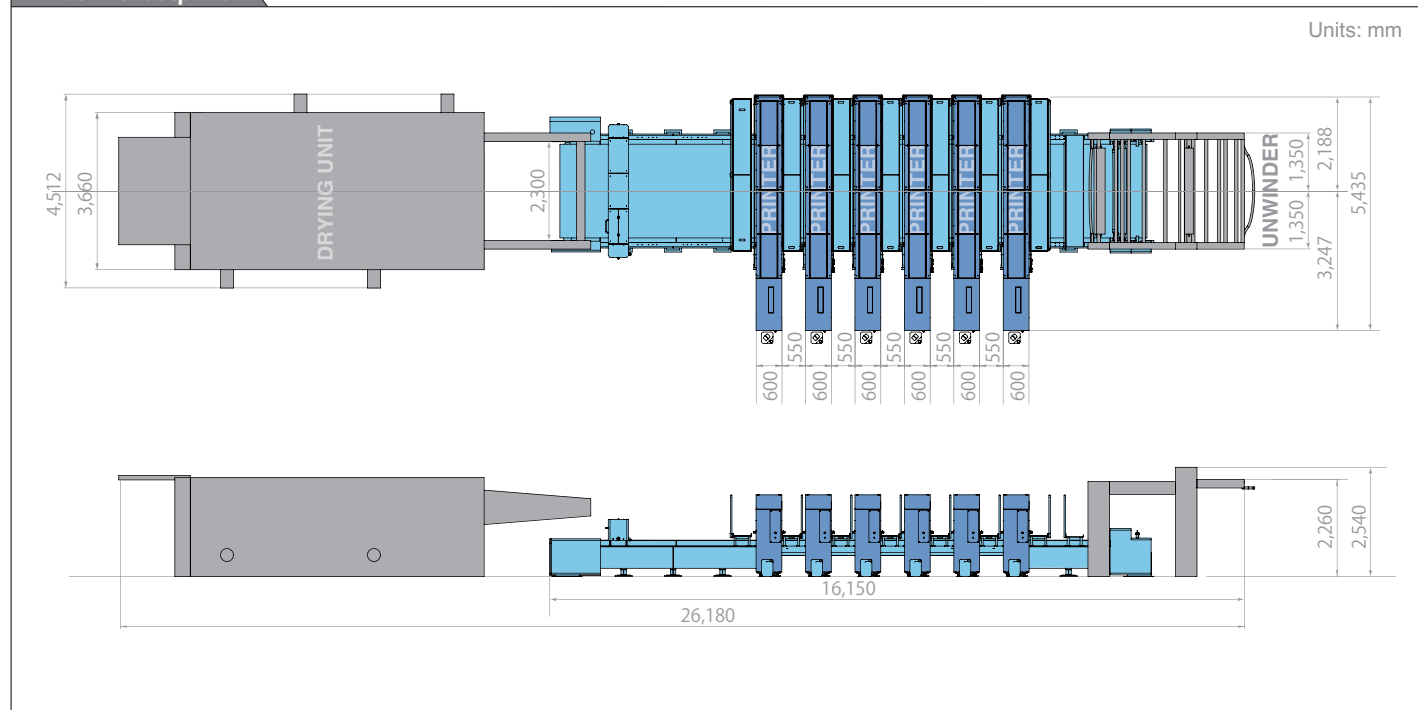


■ Specifications

Product Name	NASSENGER SP-1						
Technology	Drop on-demand piezo inkjet technology						
Printhead	KM water based inkjet printhead module						
	Colors	4 colors		6 colors		8 colors	
	Number of modules	96 modules	108 modules	144 modules	162 modules	192 modules	216 modules
	Printing width	1,600mm	1,830mm	1,600mm	1,830mm	1,600mm	1,830mm
Ink	Reactive dye ink	Yellow, Extra Magenta, Cyan, Black, Orange, Blue, Pink, Gray, Sky					
	Disperse dye ink	Yellow, Magenta, Cyan, Black, Pink, Sky, Gray, Red, Violet					
Printing Mode	Ultra High Speed	720 × 360 dpi	6,400m <sup>2</sup> /h				
	High Speed	720 × 540 dpi	4,300m <sup>2</sup> /h				
	Standard	720 × 720 dpi	3,200m <sup>2</sup> /h				
	High density	720 × 900 dpi	2,500m <sup>2</sup> /h				
Operating Environment / humidity condition	Mechanical Operating Condition	15 ~ 30°C 40 ~ 70%RH					
	Color certifying condition of reactive dye ink	20-28°C, 40-70%RH					
	Color certifying condition of disperse dye ink	20-28°C, 60-70%RH					
Dimensions(L × W × H)	L 16,150 × W 5,435 × H 2,540 (mm)						
Weight	Print Unit	Approx. 820kg × number of colors					
	Transport Unit	Approx. 4,700kg					
Power supply	Main Controller	AC Three Phase 200-240V 50/60Hz 125A					
	Image scan Unit	AC Single Phase 200-240V 50/60Hz 10A *Supply from Main controller					
	Transport Unit	AC Three Phase 200-240V 50/60Hz 60A					

Details set out are current as of August 2015. The product specification is subject to change without prior notice.

■ Machine footprint



# Single-Pass Textile Printer

## NASSENGER SP-1

Single-Pass Technology Realizes Ultra High Speed Printing



**KONICA MINOLTA, Inc.**

**Inkjet Business Unit**

No.1 Sakura-machi, Hino-shi, Tokyo

191-8511, Japan

Tel : +81-42-589-3702


<http://www.konicaminolta.com/inkjet/index.html>

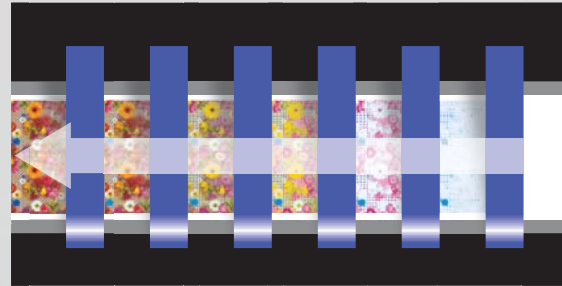
Giving Shape to Ideas

# Enter a New Era in Inkjet Textile Printing with Single-Pass Technology Announcing the Pinnacle of the NASSENGER Series

## Unprecedented Speed in Digital Textile Printing

### Employs single-pass technology


 NASSENGER SP-1 uses single-pass technology that prints on cloth (media) fed on a belt under the fixed printing units. The result is an inkjet printer that achieves comparable production quality to screen printers.



## Excellent Image Reproduction, with No Loss Despite the High Speed




### Newly developed printhead module

 NASSENGER SP-1 is equipped with a newly developed printhead module for single-pass printing. In addition, our proprietary ink injection control technology has reached a new level that allows flexible ink adjustments for small, medium, or large drop sizes. Ultra high speed, yet fine detail and excellent gradation results as well.




## Equipped with Special Technology and Features for Minimized Downtime

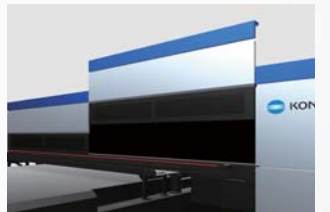
### New technology for the most reliable single-pass printing

-  Equipped with functionality that compensates for errors detected by printhead nozzle sensors.
- Now able to adjust density uniformly for each color on all of the printhead modules, thanks to density correction functions using image sensors.
- Newly developed mechanism for automatically cleaning the printhead module nozzle surface eliminates extra labor and skill previously required for nozzle cleaning, and also allows long-term, stable printing.





### User-Friendly Maintenance

 The "rising shutter" allows direct access to the print module, in addition to "cat walk" space for each color. Simple maintenance means increased productivity. Should the printhead module need changing, the process is simple and requires no special skill. Ink impact points can be easily adjusted using the image sensors.



## Easy operation for increased work productivity


### Touch panel & remote operation

  Employs a touch panel for visually intuitive operation. Make production and maintenance setting adjustments remotely with a tablet.



## Konica Minolta inks for beautiful color development

### Compatible with two types of ink

 In addition to existing reactive-dye ink, new disperse-dye ink has been developed for single-pass printing. Reactive-dye ink has cleared requirements for GOTS (Global Organic Textile Standard) certification.



# NASSENGER SP-1

Single-Pass Textile Printer

