

KONICA MINOLTA

NASSENGER SP-1e

TEXTILE PRINTER WITH SINGLE PASS TECHNOLOGY

RETHINK TEXTILE PRINTING



Giving Shape to Ideas



NASSENGER SP-1e: THE NEW ERA OF DIGITAL TEXTILE PRINTING

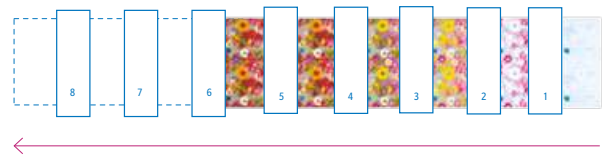
THE FLAGSHIP OF THE NASSENGER RANGE



UNPRECEDENTED QUALITY AND SPEED

Single Pass technology

Single Pass technology enables the NASSENGER SP-1e to achieve high-definition printing on textiles at a higher speed than traditional printers.



OUTSTANDING IMAGE REPRODUCTION, EVEN AT HIGH SPEED

New print heads

NASSENGER SP-1e uses cutting-edge modular print heads. Our nozzle-control technology allows the drop size to be adjusted on a number of levels.



SIMPLE TO USE

Touch Panel and remote commands

The touch-screen panel makes for intuitive visual usage. Settings, production adjustments and remote maintenance can all be carried out via tablet.

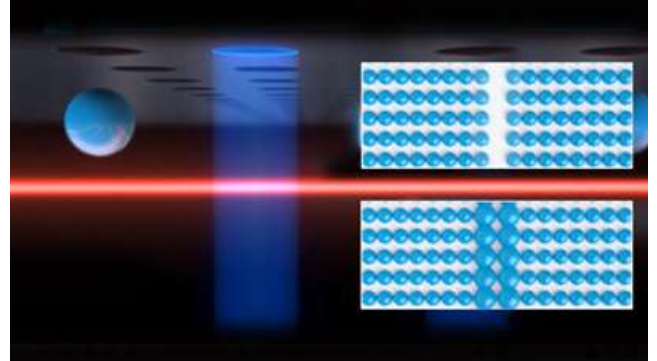




CUTTING-EDGE TECHNOLOGY

Extremely reliable Single Pass:

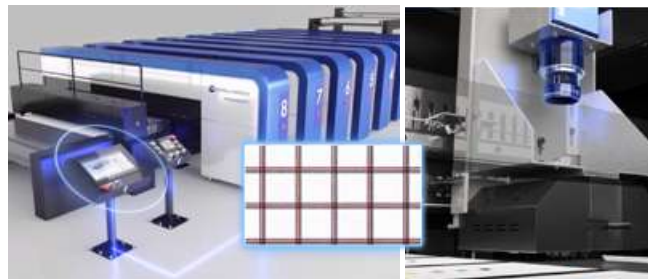
- **Nozzle compensation:**
Thanks to special sensors, the system automatically compensates if the nozzles become blocked
- **Colour compensation:**
The optical sensors enable the system to adjust the density of each colour on the print head evenly
- **Automatic nozzle cleaning:**
The automatic system means it is no longer necessary to carry out tasks manually, and a stable print is achieved with lower ink consumption
- **Print head alignment:**
Alignment of all the print heads is carried out automatically thanks to the CCD camera



Nozzle compensation system.



Nozzle laser control system.

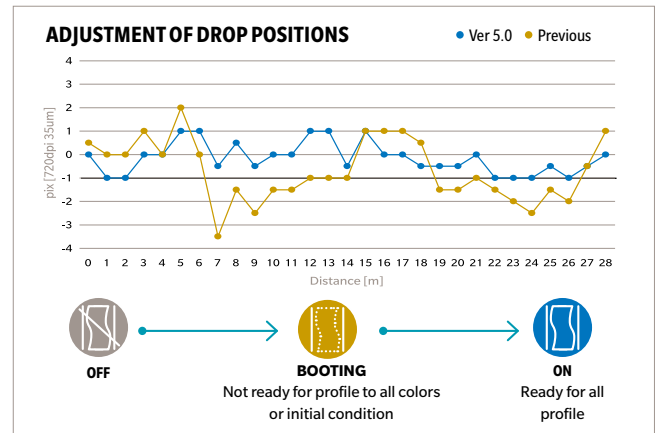


Alignment of print heads using CCD camera.



REAL-TIME CORRECTION OF VARIANCE OF THE PRINT BELT WITH 'MEANDERING SYSTEM'

The system's purposely-designed sensors allow it to spot any variances in the print belt and to compensate the nozzle direction automatically.



EASY MAINTENANCE

Simplified access to the print units

Easier maintenance makes for increased productivity. Replacing the print head is simple and does not call for any expertise.



Access to print units.



KONICA MINOLTA HIGH DENSITY INKS

Konica Minolta inks offer the utmost reliability and colour yield.

Reactive, Acid and **Disperse** dyes are available in up to 8 colours. The inks have been designed to harness the utmost performance of the print head and printer. They are the result of the experience of Konica Minolta, a unique one-stop provider of proprietary technology in the digital textile printing market.





KONICA MINOLTA

PRINTING MODE

Printing mode	Printing speed
High Density	26.9 m/min - 720x900 dpi
Standard	33.7 m/min - 720x720 dpi
High Speed	44.9 m/min - 720x540 dpi
Ultra High Speed	67.3 m/min - 720x360 dpi

TECHNICAL SPECIFICATIONS

Product Name	NASSENGER SP-1e						
Technology	Drop on-demand piezoelectric inkjet technology						
Print head	Inkjet print head - variable drop (from 7 to 27 pl) 2,048 nozzles						
	Colors	6 colors		7 colors		8 colors	
	Number of heads	144	162	168	189	192	216
	Print width	1,600 mm	1,830 mm	1,600 mm	1,830 mm	1,600 mm	1,830 mm
Ink	Reactive dye ink	Yellow, Extra Magenta, Cyan, Black, Orange, Blue, Pink, Gray, Penetration					
	Disperse dye ink	Yellow, Magenta, Cyan, Black, Red, Violet, Pink, Gray, Penetration					
Printing mode	Ultra high Speed	720 × 360 dpi	max 67 linear metres per minute				
	High Speed	720 × 540 dpi	max 45 linear metres per minute				
	Standard	720 × 720 dpi	max 33 linear metres per minute				
	High density	720 × 900 dpi	max 27 linear metres per minute				
Operating environment/ moisture conditions	Functioning condition	20-28° C 50-70%RH					
Size (L × D × H)	26,000 x 5,435 x 2,540 mm						
Weight	Print Unit	Approx. 820 Kg per color					
	Textile transportation unit	Approx. 4,700 Kg					
Power supply	Main controller	AC three-phase	380-415V	50/60Hz	75A		
	Image scanning unit	AC single-phase	220-240V	50/60Hz	10A - *Power from main controller		
	Textile transportation unit	AC three-phase	380V	50Hz	40A		

Details set out are current as of September 2020. The product specification is subject to change without prior notice.

**Textile height 1830 mm, head cleaning times not included.

MACHINE LAYOUT

Unit: mm

