

KONICA MINOLTA

**NASSENGER 10e**

**NASSENGER 8**

# DIGITAL TEXTILE PRINTING SYSTEMS WITH HIGH-SPEED SCANNING

**RETHINK TEXTILE PRINTING**

Quality, Precision, Speed.



Giving Shape to Ideas

# NASSENGER 10e

# NASSENGER 8

## HIGH-PERFORMANCE PRINTING SYSTEMS CUTTING-EDGE DIGITAL TEXTILE PRINTING

- ✓ Innovative technology for unprecedented precision
- ✓ High speed printing to increase productivity
- ✓ Simple to use and maintain
- ✓ Maximum reliability
- ✓ Improved stability to minimise machine downtime
- ✓ High quality ink for faithfully reproduced colors
- ✓ Safe and respects the environment



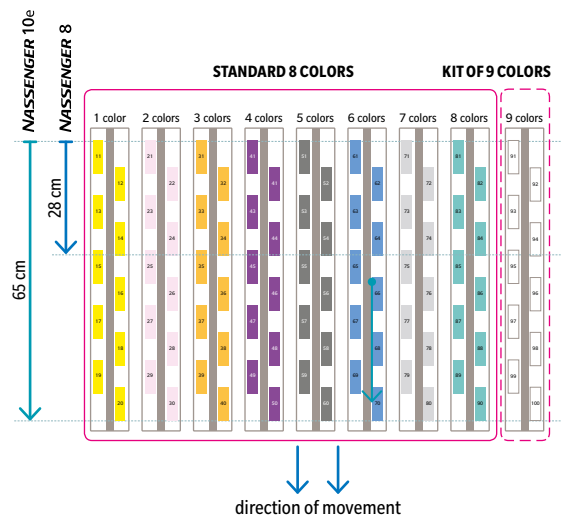
### NEW PRINT HEADS KM1024ISAE

The new print head has been entirely developed by Konica Minolta, a global manufacturer of inkjet heads.

**NASSENGER 10e** comes with 9 print heads per color (available in 8 and 9-color versions) with 1,024 multilevel nozzles fitted with nozzles of varying drop size;

**NASSENGER 8** uses 4 heads per color (available in 8 and 9-color versions).

The new electronics make it possible to print with small, medium and large drop sizes. Combined with Konica Minolta inks, unbeatable precision and a high level of reliability are guaranteed.

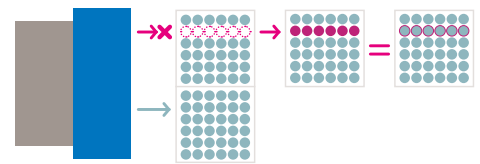




### AUTOMATIC NOZZLE COMPENSATION (NOZZLE CHECK)

The function for compensating nozzle flaws prevents the white lines often produced by inkjet printing.

- Eliminates white lines and prevents printing flaws
- Eliminates the need to replace heads with more than one malfunctioning nozzle, thereby cutting costs and machine downtime

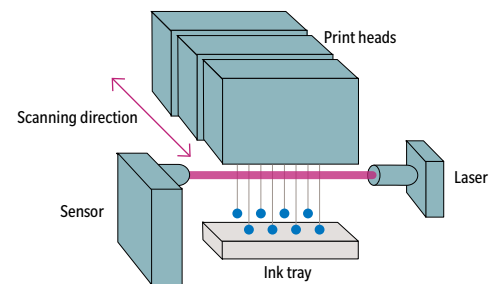


**Laser nozzle checks prevent printing flaws.**

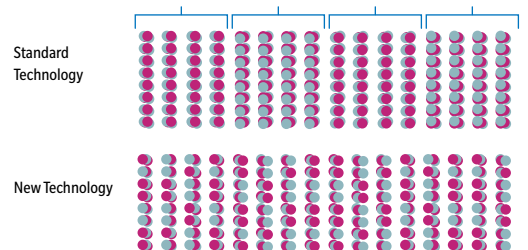
- Eliminates printing flaws
- Increases productivity

**Eliminates Banding.**

Choosing the length of time nozzles are used guarantees uniform color in two-directional scan printing.



Difference in color caused by the order in which colors overlap in both print directions



### ACCESSIBILITY

A simplified design makes it easier for users to control the print carriage.

Parts are simple to access and replace.



### USER INTERFACE AND TOUCH PANEL

Intuitive WYSIWYG user interface. The touch panel makes it quick and easy to use.



### KONICA MINOLTA HIGH-DENSITY INKS

Konica Minolta inks offer unbeatable reliability and color yield.

Reactive, Acid and Disperse dyes of up to 9 colors.

The inks have been designed to harness the utmost performance from 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.



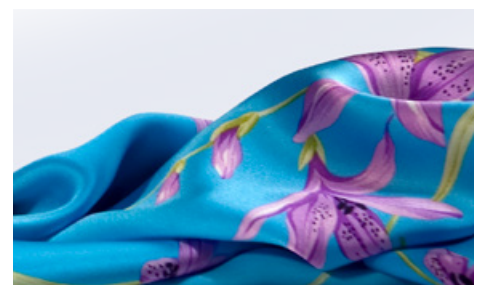
Touch panel



### HIGH SAFETY AND ENVIRONMENTAL STANDARDS

The Nassenger range drastically reduces the environmental impact caused by traditional textile printers. In addition, Konica Minolta's REACTIVE dye meets GOTS (Global Organic Textile Standard) certification requirements.

Konica Minolta's DISPERSE dye meets GRS (Global Recycled Standard) certification requirements.



# NASSENGER 10e

## THE HIGH PRODUCTIVITY PRINTING SYSTEM

NASSENGER 10: a new way of printing which adapts to the user's needs.  
Maximum precision, Fast printing time, Simple to use.

### BENEFITS



High production capacity whilst maintaining the same quality



Different printing modes to meet every possible production requirement.



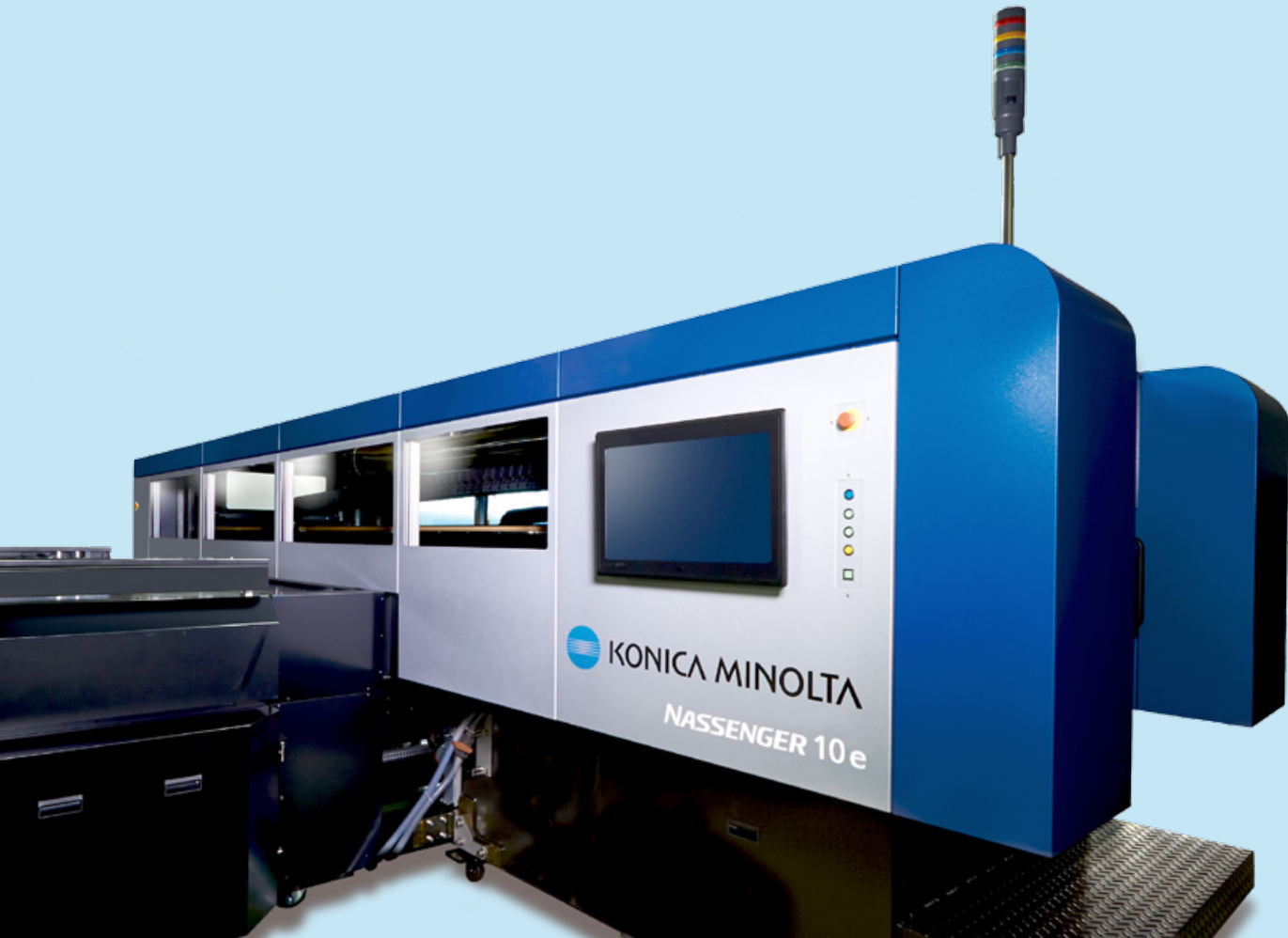
The perfect choice for users needing to meet rapid production schedules with high quality standards

### PRINTING MODE

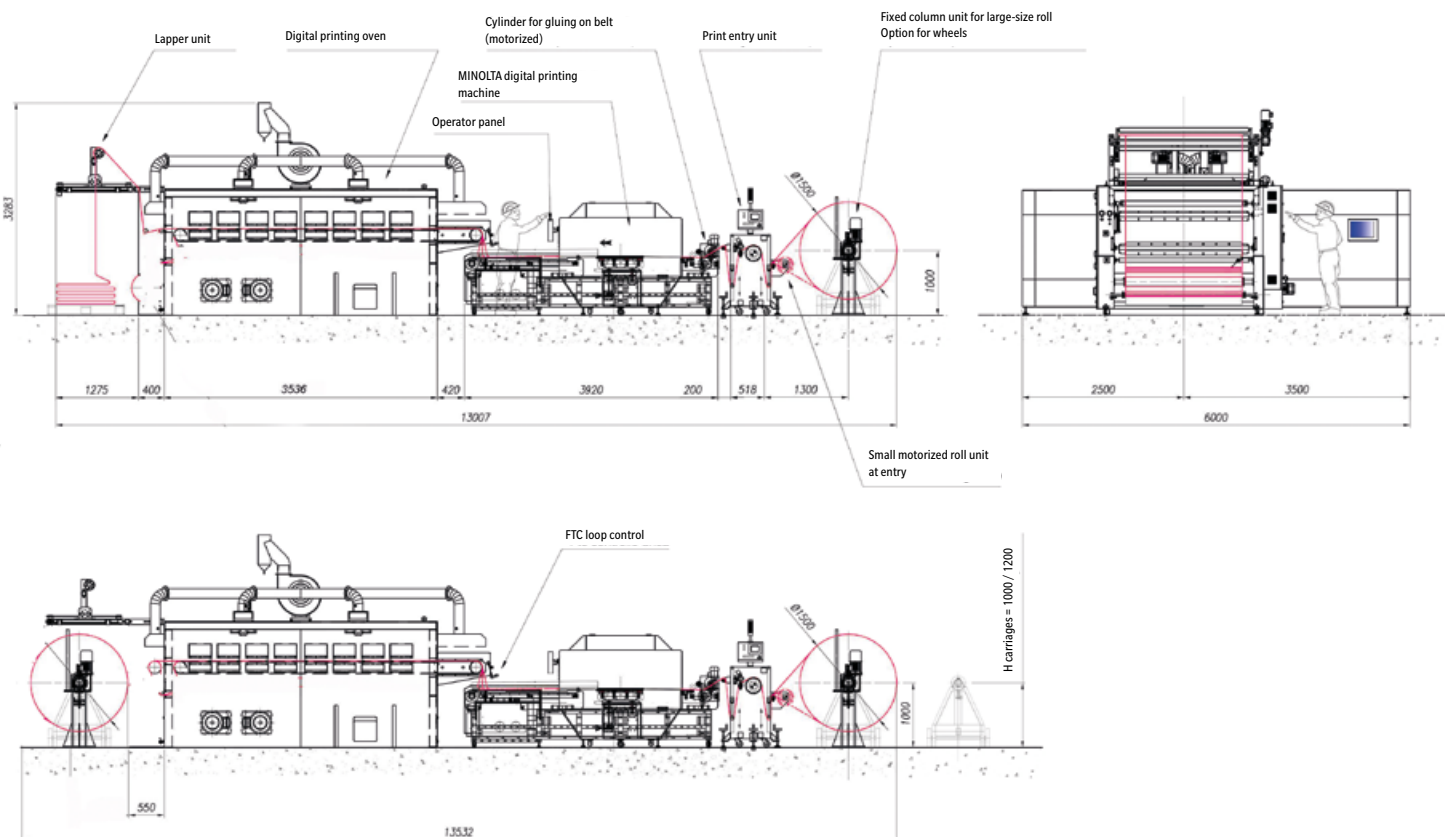
Printing mode	Printing speed
Draft	990 m <sup>2</sup> /h max - 360 x 360 dpi
Standard1	580 m <sup>2</sup> /h max - 360 x 360 dpi
Standard2	450 m <sup>2</sup> /h max - 720 x 720 dpi
Standard3	230 m <sup>2</sup> /h max - 720 x 720 dpi
Extra1	230 m <sup>2</sup> /h max - 360 x 360 dpi
Extra2	120 m <sup>2</sup> /h max - 360 x 360 dpi

### TECHNICAL SPECIFICATIONS

<b>Product Name</b>	<b>NASSENGER 10e</b>	
<b>Technology</b>	Variable drop - Drop on-demand piezoelectric inkjet technology (from 7 to 54 pl)	
<b>Print head</b>	Inkjet print head with 1,024 nozzles - 9 heads per color: 72 pieces (max 9 colors, 81 pieces)	
<b>Ink</b>	REACTIVE DYE INK	Yellow, Extra Magenta, Cyan, Black, Orange, Blue, Pink, Gray, Penetration
	DISPERSE DYE INK	Yellow, Magenta, Cyan, Black, Pink, Gray, Red, Violet, Pink, Gray, Penetration
	ACID DYE INK	Yellow, Magenta, Cyan, Black, Blue, Orange, Red, Pink, Gray, Penetration
<b>Print width</b>	1,850 mm	
<b>Max. textile thickness</b>	8 mm	
<b>Operating environment/ Moisture conditions</b>	Certification condition of the color of reactive dye ink	20 ~ 28°C 40 ~ 70%RH
<b>Size (L × D × H)</b>	Scanned unit	L 5,800 × D 2,020 × H 1,860 (mm)
	Transportation unit	L 2,600 × D 4,360 × H 1,140 (mm)
<b>Weight</b>	Scanned unit	approx. 1,800 kg
	Transportation unit	approx. 2,100 kg
<b>Power supply</b>	AC single-phase	200-240V 60A (50/60Hz)



## MACHINE LAYOUT



# NASSENGER 8

## THE HIGHLY FLEXIBLE PRINTING SYSTEM, FROM PRINTING SAMPLES TO SMALL PRODUCTION LOTS

NASSENGER 8: a new way of printing which adapts to the user's needs.  
Maximum precision, Fast printing time, Simple to use.



### BENEFITS



A compact printing system suitable for all needs



Advanced control functions offer the utmost flexibility



Different printing modes meet a variety of needs

### PRINTING MODE

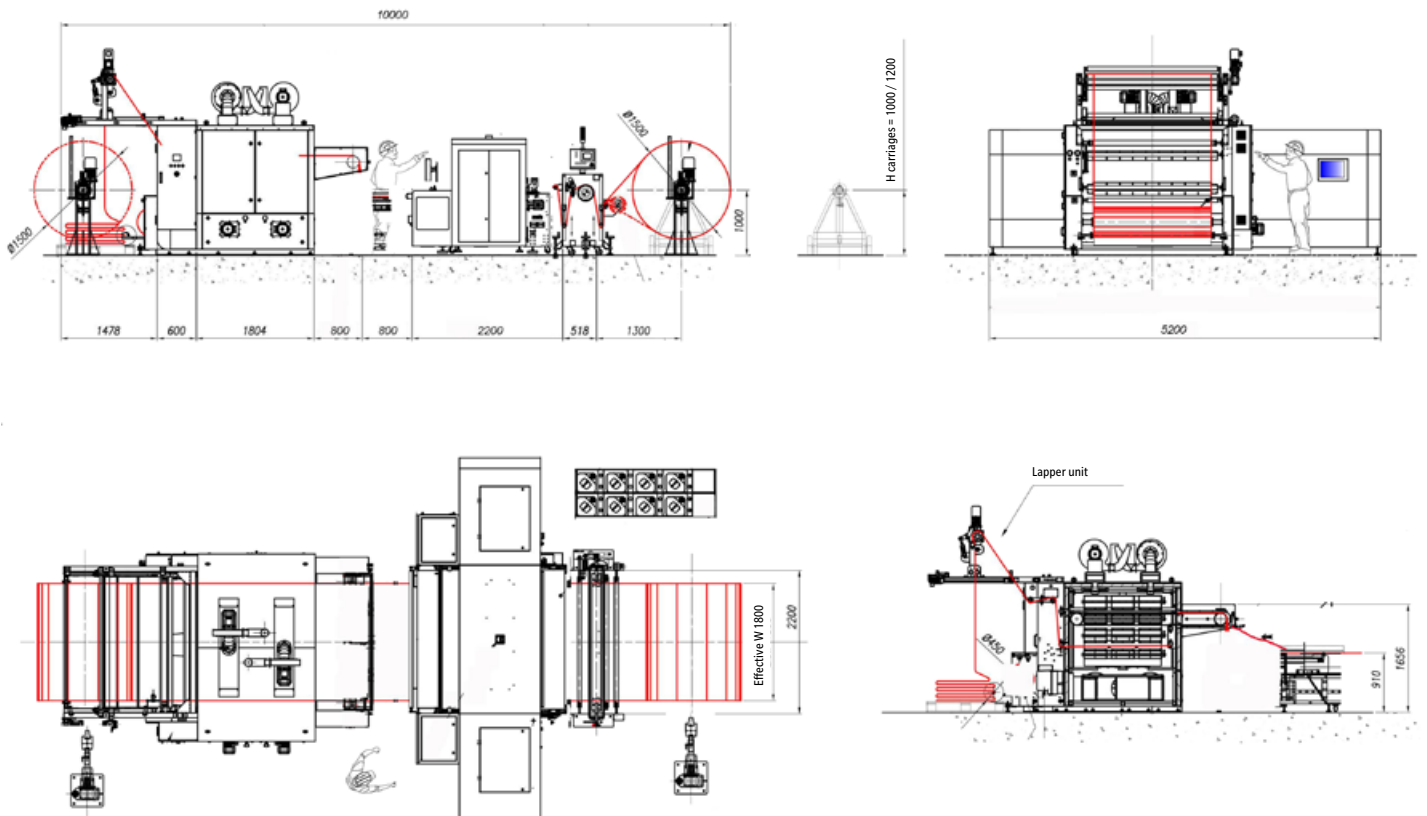
Printing mode	Printing speed
Draft	380 m <sup>2</sup> /h max - 360 x 360 dpi
Standard1	240m <sup>2</sup> /h max - 360 x 360 dpi
Standard2	200 m <sup>2</sup> /h max - 720 x 720 dpi
Standard3	110 m <sup>2</sup> /h max - 720 x 720 dpi
Extra1	110 m <sup>2</sup> /h max - 360 x 360 dpi
Extra2	60 m <sup>2</sup> /h max - 360 x 360 dpi

### TECHNICAL SPECIFICATIONS

<b>Product Name</b>	<b>NASSENGER 8</b>	
<b>Technology</b>	Variable drop - Drop on-demand piezoelectric inkjet technology (from 7 to 54 pl)	
<b>Print head</b>	Inkjet water-based print head with 1,024 nozzles	4 Heads per color: 32 pieces (max 36 colors) 2 Heads per color: 16 pieces (max 18 colors)
<b>Ink</b>	REACTIVE DYE INK	Yellow, Extra Magenta, Cyan, Black, Orange, Blue, Pink, Gray, Penetration
	DISPERSE DYE INK	Yellow, Magenta, Cyan, Black, Pink, Gray, Red, Violet, Pink, Gray, Penetration
	ACID DYE INK	Yellow, Magenta, Cyan, Black, Blue, Orange, Red, Pink, Gray, Penetration
<b>Print width</b>	1,850 mm	
<b>Max. textile thickness</b>	15 mm	
<b>Operating environment/ moisture conditions</b>	Certification condition of the color of reactive dye ink	20 ~ 28°C 40 ~ 70%RH
<b>Size (L × D × H)</b>	Print unit	L 5,080 × D 2,010 × H 2,040 (mm)
<b>Weight</b>	Print unit	approx. 3,300 kg
	Ink rack	approx. 170 kg
	Unwinder	approx. 270 kg
	Drier and winder	approx. 600 kg
<b>Power supply</b>	Print unit	AC single-phase 200-240V 30A (50/60Hz)



## MACHINE LAYOUT





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