

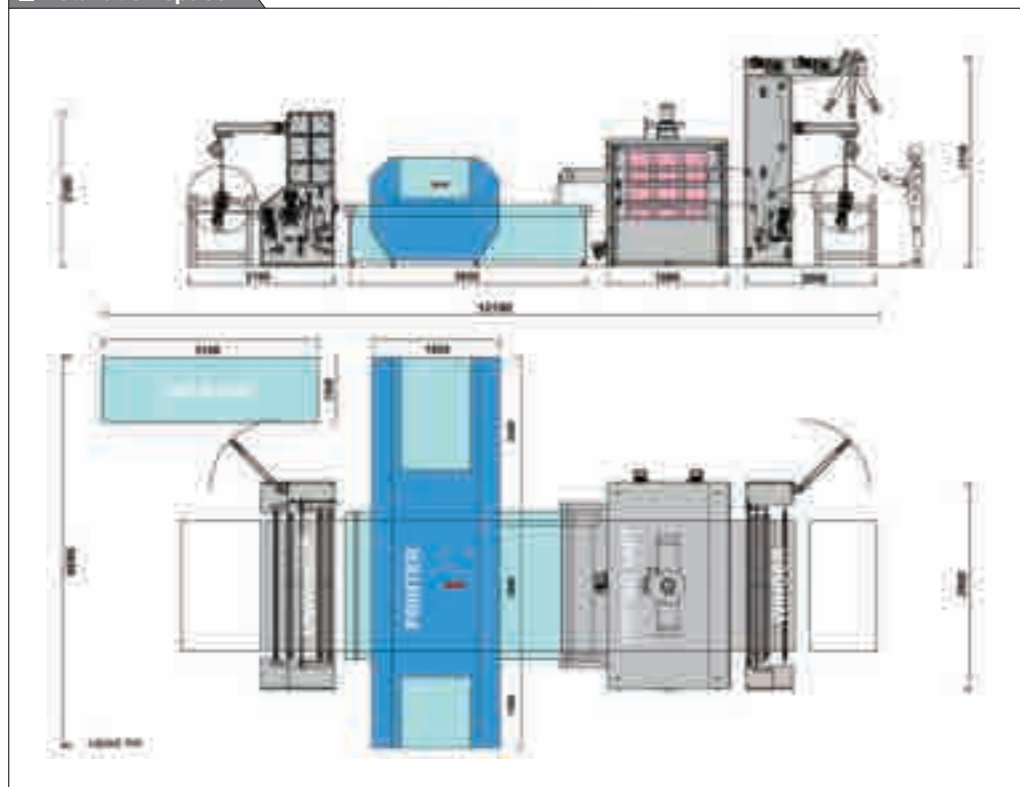
Specifications

Product Name	Nassenger PRO 1000	
Technology	Drop on-demand piezo inkjet technology	
Printhead	1024 nozzles water-based inkjet printhead x 81 pcs	
Ink type	Reactive dye	Yellow, Extra Magenta, Cyan, Black, Orange, Blue, Pink, Gray, Sky
	Acid dye	Yellow, Magenta, Cyan, Black, Light Magenta, Light Cyan, Light Black, Orange, Blue
	Disperse dye	TBD
Printing Width	1,850mm	
Printing mode	540 x 360dpi	1000m ² /h
	540 x 720dpi	600m ² /h
	900 x 360dpi	730m ² /h
	900 x 720dpi	420m ² /h
	Minimum Resolution 360dpi, Maximum Resolution 1440dpi	
Operating Environment	Mechanical Operating condition	15~30°C 40~70%RH
	Quality assurance Printing condition	20~28°C 40~70%RH
Maintenance of Printhead	Printhead Cleaning	Wet Cleaning
	Nozzle Detection	Faulty nozzle detected by laser beam
	Capping	Wet Capping
Ink supply system	Configuration	Motor-driven pump supply Ink tank (20 liter tank 9 units)
	Ink tank	Original 40 Litter tank
Dimensions	Printer	W 6,140 x D 3,940 x H1,720 (mm)
	Ink supply unit	W 322 x D 97 x H1,140 (mm)
Weight	Printer	Approx. 3,500 kg
	Ink supply unit	Approx. 400 kg (without ink)
RIP	RIP software required	
Power supply	AC 200~240V Single-phase 50/60Hz 60A	

* Details set out are current as of August 2011. The product specification is subject to change without prior notice.

** The Nassenger PRO 1000 includes a scanning print unit and a precision fabric transport unit. A separate un-winder and drier etc. will be needed to complete the print system.

Installation space



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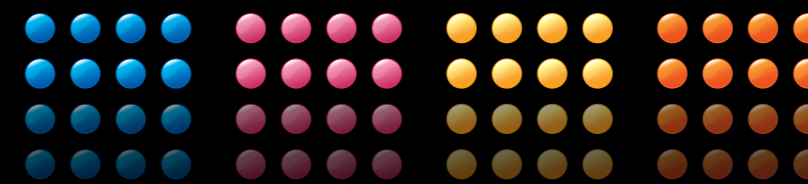


KONICA MINOLTA

NEW TEXTILE PRINTING SYSTEM

Nassenger PRO 1000

Realization of the world's fastest print speed of 1000m²/hour



The world's fastest **1000** m²/hour
print speed of



1024 Nozzles
1,000 Max m²/h
1,850 mm Fabric width
9 Colors
1440 dpi
40L Ink supply
Green Technology

- Newly-developed high-speed drive, high-density inkjet printhead
- Realization of the world's fastest print speed of 1000m²
- Advanced highly-reliable maintenance system
- Safe fabric transport design to prevent transport problems
- High-quality 9-color dye ink
- Large capacity 40L ink tanks for each color
- Easy operation to enhance work performance

Giving Shape to Ideas

Nassenger PRO1000

to offer real digital textile printing solution for professionals

The world's fastest
print speed of **1000** m²/hour
Nassenger PRO1000

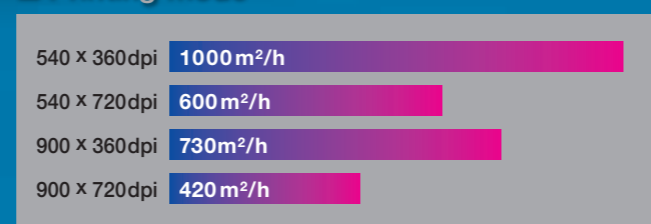


Realization of the world's fastest print speed of 1000m² per hour (*Research by Konica Minolta)

The newly-designed printhead carriage produces a maximum print speed of 1000m²/hour (540 x 360dpi) and a high standard print speed of 600m²/hour.

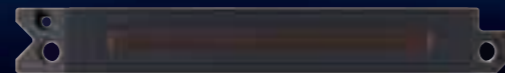


■ Printing mode



Newly-developed high-speed drive, high-density inkjet printhead

Newly-developed independently-driven channel printhead with a total of 1024 nozzles, each with a nozzle density of 360 npi. The inkjet printhead realizes both high quality and high speed production.



Highly-reliable maintenance system

An automatic printhead maintenance system unique to Konica Minolta is adopted to ensure stable print production. This system regularly checks the printhead nozzle status to enable stable print quality and uninterrupted production, and helps minimize labor costs by automation. In addition, the system is furnished with a remote maintenance function to make it possible to perform maintenance tasks such as device diagnostics and remote operation via the network.

Safe fabric transport design to prevent problems

Features such as a fabric wrinkle-detection function and concave printhead-nozzle surface design prevent fabric from colliding with the printhead carriage to minimize transport problems.

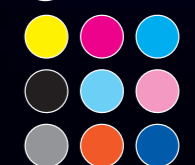
■ Fabric transportation unit



High-quality 9-color dye ink

The former 8 colors have been upgraded to 9 colors to produce the rich colors required of textile printers. The increased number of colors enhances color gamut, color reproducibility and graininess. The ink lineup comprises reactive-dye, disperse-dye and acid-dye types. These inks have been proven through a wide range of tests to be safe for human contact and are also robust types resistant to laundering and abrasion.

9 colors



Large-capacity 40L ink tanks

Furnished with new large-capacity ink supply system to enhance productivity and work performance. Two 20L ink tanks are set up for each color, one on top and one underneath, to provide a total of 40L of ink for extended printing tasks.

■ Ink tank



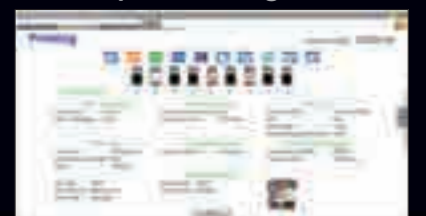
■ Ink supply unit



Easy operation ensures enhanced work performance

A newly-designed operation panel that features a touch screen in place of the former keyboard is used in the Nassenger PRO Series to improve work performance.

■ New panel design



Provision of color-matching solutions

Color matching solutions have been reinforced to enable use of the Nassenger PRO Series for all processes. PRO 1000 can be used as the production machine with entry model of Nassenger PRO Series as the proofer.

Inkjet textile printing friendly to the global environment

Inkjet textile printing systems represent a global environmentally considerate print technology. Compared to the older screen textile printing method, inkjet textile printing allows savings in power consumption and significant reductions in waste and CO₂ emissions.