



# Nassenger PRO 120 Inkjet Textile Printer

■ Specifications*		
Product Name	Nassenger PRO120	
Technology	Drop on-demand piezo inkjet technology	
Printhead	1024 nozzles water-based inkjet printhead x 9 pcs	
Ink Type	Reactive dye Ink TYPE-P	Yellow, Extra Magenta, Cyan, Black, Blue, Gray, Orange, Pink, Sky
	Disperse dye Ink TYPE-A	Yellow, Magenta, Cyan, Black, Gray, Pink, Red, Sky, Violet
	Acid dye Ink	Yellow, Magenta, Cyan, Black, Orange, Blue, Light Magenta, Light Black, Light Cyan
Printing Width	1,850 mm	
Fabric Roll Width	330 mm to 1,800 mm**	
Recommended Fabric Thickness	Up to 3 mm	
Printing Mode	540 x 360 dpi	120 m <sup>2</sup> /h
	540 x 720 dpi	60 m <sup>2</sup> /h
	540 x 1080 dpi	40 m <sup>2</sup> /h
	900 x 720 dpi	40 m <sup>2</sup> /h
	Minimum Resolution 360 dpi, Maximum Resolution 1440 dpi	
Operating Environment	Mechanical operating condition	15~30°C 40~70% RH
Maintenance of Printhead	Auto maintenance / Jetting detector	
Ink Supply System	Configuration	Motor-driven pump supply
		In-line system degassing
		Ink tank (6 liter tank 9 units)
	Ink bottle	Original 5 liter bottle
Water Supply	3.5 liter/ min.	
RIP	RIP software required	
Compressed Air	0.5MPa or more, 200 liter/min. or more	
Dimensions	W 4,830 x D 1,740 x H 2,080 (mm) (Includes Tower lamp)	
Weight	Approx. 1,600 kg	
Power Supply	AC 200-240 V 50/60 Hz Single-Phase 12 A	

Product Name	Dryer & Winder	
Fabric Width	1,800 mm	
Winding Roller	Maximum diameter 400 mm	
Operating Environment	Mechanical operating condition	15~30°C 40~70% RH
Control	Automatic drive by printer (Nassenger STANDARD I/O)	
Dimensions	W 2,760 x D 930 x H 1,200 (mm)	
Weight	Approx. 250 kg	
Power Supply	AC 200-240 V 50/60 Hz Single-Phase 40 A	

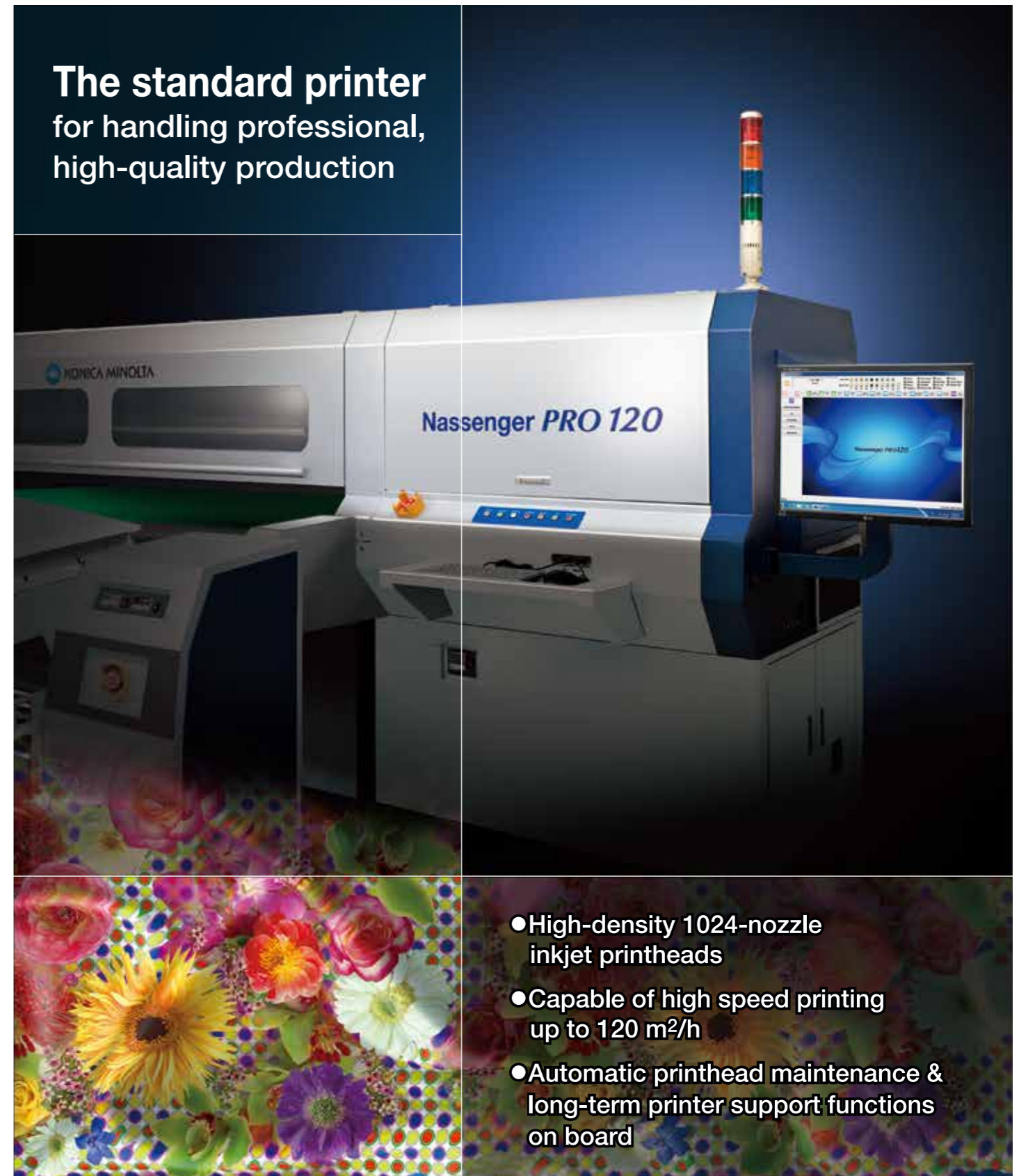
\* Details set out are current as of June 2014. The product specification is subject to change without prior notice.  
\*\* It depends on the length of the paper core.

## ■ Installation space



## KONICA MINOLTA, Inc. Industrial Print Business Unit

2970 Ishikawa-machi, Hachioji-shi, Tokyo  
192-8505, Japan  
Tel: +81-42-660-7648  
<https://www.konicaminolta.com/inkjet/index.html>



- High-density 1024-nozzle inkjet printheads
- Capable of high speed printing up to 120 m<sup>2</sup>/h
- Automatic printhead maintenance & long-term printer support functions on board

Giving Shape to Ideas



### Fully equipped with the essential functions for a total inkjet textile printer solution

PRO120 comes standard with a dryer and winder to provide a total solution that encompasses the entire process from unwinding to printing, drying and winding.

#### Maximum print speed of 120 m<sup>2</sup>/hour

Realizes high-speed output capable of handling short delivery deadlines and low-volume production demands. The print speed can be selected to match production applications.

Print mode	Print speed
540 x 360 dpi	120 m <sup>2</sup> /h
540 x 720 dpi	60 m <sup>2</sup> /h
540 x 1080 dpi	40 m <sup>2</sup> /h
900 x 720 dpi	40 m <sup>2</sup> /h



#### Mounted with high performance water-based inkjet printheads

Employs 1,024 high-density nozzles. The printheads feature an independent drive system that allows simultaneous emission from each nozzle to realize high productivity.



▲ Head carriage



### Nassenger Quality

- Overwhelmingly dark black color results that are world-class
- High resolution for beautifully sharp images
- High definition, uninterrupted image quality
- Color development in 16.7 million varied colors
- Light-colored ink generates rich, smooth gradations
- Highly flexible to accommodate many different types of fabric

#### Automatic printhead maintenance system

PRO120 is equipped with an empty ink detection by laser and automatic print head maintenance functions. This enables extended, yet stable, production.



#### Continuous long-run print support functions

Assorted detection features for checking fabric transport, plus real time display of printing results, are part of the robust long-run print support functions.

#### High quality 9-color ink

Employs 9-color ink with sharp, beautiful black and color development that are both world-class. Boasts high productivity from the high-capacity ink bottles and tanks that can handle continuous printing.



#### Supports maximum fabric width of 1,800 mm

Compact design, yet full support for necessary fabric widths. Handles a wide variety of fabric types to allow for printing many different products.



#### Inkjet textile printing friendly to the global environment

Inkjet textile printing systems are a global environmentally friendly printing technology. Compared to the older screen textile printing method, inkjet textile printing allows for savings in power consumption and significant reductions in waste and CO<sub>2</sub> emissions.