Specifications

- **Product Name**
  - Nassenger PRO1000

- **Technology**
  - Drop-on-demand piezo inkjet technology

- **Printhead**
  - 1,024 nozzle water-based inkjet printhead x 81 pcs (72 printheads mounted for use with 8-color ink)

- **Ink Type**
  - Disperse dye ink (TYPE-A): Yellow, Extra Magenta, Cyan, Black, Blue, Gray, Orange, Pink, Sky
  - Acid dye ink: Yellow, Magenta, Cyan, Black, Orange, Pink, Red, Sky, Violet
  - Reactive dye Ink TYPE-P
  - Disperse dye Ink TYPE-A
  - Acid dye Ink

- **Printing Width**
  - Up to 8 mm

- **Fabric Roll Width**
  - 330 mm—1,850 mm

- **Recommended Fabric Thickness**
  - Up to 8 mm

- **Print mode**
  - 540 x 360 dpi: 1000 m/h
  - 540 x 720 dpi: 600 m/h
  - 900 x 360 dpi: 750 m/h
  - 900 x 720 dpi: 450 m/h

- **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
  - Needle Detection
  - Missing nozzle detected by laser light
  - Capping
  - Wet Capping

- **Ink supply system**
  - Configuration: Motor-driven pump supply
  - Ink tank (20 liter tank 9 units x 2)
  - Ink bottle (20 liter tank 9 units x 2)

- **RIP**
  - RIP software required

- **Dimensions**
  - Printer: Width 6,140 x Depth 3,940 x Height 1,720 (mm)
  - Ink supply unit: Width 3,220 x Depth 970 x Height 1,140 (mm)

- **Weight**
  - Printer: Approx. 3,500 kg
  - Ink supply unit: Approx. 400 kg (without ink)

- **Power supply**
  - AC 200～240 V Single-phase 50/60 Hz 60 A

Our flagship printer with 1,000 m²/hour print speed unparalleled worldwide*

- **Realization of the world’s fastest* print speed of 1,000 m²/hour**
- **High-speed drive & high-density inkjet printhead**
- **Transport design that prevents cloth transport problems**
- **High-quality 9-color ink**

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*As a scanning inkjet textile printer. (30 of April 2014; research by Konica Minolta)
**Realization of the world’s fastest* print speed of 1,000 m²/hour**

The independently designed printhead carriage allows world leading print speeds. Fast print speed of 600 m²/hour even in standard mode.

### Print Speed

<table>
<thead>
<tr>
<th>Print mode</th>
<th>540 x 360 dpi</th>
<th>600 m²/h</th>
<th>940 x 360 dpi</th>
<th>600 m²/h</th>
<th>900 x 720 dpi</th>
<th>420 m²/h</th>
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*As a scanning inkjet textile printer. (30 of April 2014; research by Konica Minolta)

**Mounted with high-speed drive, high-density inkjet printheads**

Mounted with a total of 1,024 channel heads with independent-drive, high-density 360 npi nozzles. Delivers both high-quality and high-speed production.

**Highly reliable maintenance system**

Equipped with an automatic printhead maintenance system that consistently checks nozzles and allows for stable, high quality printing and continuous production. In addition, device diagnostics and remote operation are possible through the network equipped with remote maintenance functions.

**Safe fabric transport design to prevent transport problems**

Equipped with design features such as a fabric wrinkle-detection function and concave printhead nozzle surfaces to prevent transport problems before they occur.

**High quality 9-color ink** that achieves high volume ink supply

Employs 9-color ink with sharp, beautiful black and color development that are both world-class. The safe and robust ink has passed numerous trials and delivers high productivity, supplying high ink volumes of 40 L per color, easily handling extended printing.

**Operations and color matching solutions that enhance work performance**

Equipped with easy-to-use touch screen operation panels upgraded from the previous keyboard input system. In addition, combining the Nassenger PRO120 as a proofer delivers a higher level of color matching solutions.

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

Inkjet textile printing systems are a global environmentally friendly printing technology. Compared to the conventional screen textile printing method, inkjet textile printing allows for savings in power consumption and significant reductions in waste and CO₂ emissions.