**Specifications**

<table>
<thead>
<tr>
<th>Product Name</th>
<th>NASSERGEN SP-1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Technology</td>
<td>Drop on-demand piezo inkjet technology</td>
</tr>
<tr>
<td>Printhead</td>
<td>KM water based inkjet printhead module</td>
</tr>
</tbody>
</table>

**Ink**
- Reactive dye ink: Yellow, Extra Magenta, Cyan, Black, Orange, Blue, Pink, Gray, XK, UK
- Dispersed dye ink: Yellow, Magenta, Cyan, Black, Pink, Sky, Gray, Red, Violet, Cyan

**Printing Mode**
- Ultra High Speed: 720 × 360 dpi, 6,400 mm²/h
- High Speed: 720 × 340 dpi, 4,300 mm²/h
- High density: 720 × 900 dpi, 2,500 mm²/h

**Printing Width**
- 1,600mm, 1,830mm, 1,600mm, 1,830mm
- 6 colors, 7 colors, 8 colors
- 144 modules, 162 modules, 188 modules, 199 modules, 192 modules, 219 modules

**Operating Environment / humidity condition**
- Color certifying condition of reactive dye ink: 20-28°C, 50-70%RH
- Color certifying condition of disperse dye ink: 20-28°C, 50-70%RH

**Dimensions (L × W × H)**
- 1,950 × 2,435 × 2,540 (mm)

**Weight**
- Print Unit: Approx. 820kg × number of colors
- Transport Unit: Approx. 4,700kg

**Power supply**
- Main Controller: AC Three Phase 380-415V 50/60Hz, 75A
- Image scan Unit: AC Single Phase 220-240V 50/60Hz, 10A
- Supply from Main controller
- Transport Unit: AC Three Phase 380V 50Hz, 40A

---

**Machine footprint**

---

**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

---

*Fabric width 1,830mm, print head clearing time is not included.*
Enter a New Era in Inkjet Textile Printing with Single-Pass Technology
Announcing the Pinnacle of the NASSENGER Series

Unprecedented Speed in Digital Textile Printing

Employs single-pass technology
NASSENGER SP-1 uses single-pass technology that prints on cloth (media) fed on a belt under the fixed printing units. The result is an inkjet printer that achieves comparable production quality to screen printers.

Excellent Image Reproduction, with No Loss Despite the High Speed

Newly developed printhead module
NASSENGER SP-1 is equipped with a newly developed printhead module for single-pass printing. In addition, our proprietary ink injection control technology has reached a new level that allows flexible ink adjustments for small, medium, or large drop sizes. Ultra high speed, yet fine detail and excellent gradation results as well.

Equipped with Special Technology and Features for Minimized Downtime

New technology for the most reliable single-pass printing
- Equipped with functionality that compensates for errors detected by printhead nozzle sensors.
- New able to adjust density uniformly for each color on all of the printhead modules, thanks to density correction functions using image sensors.
- Newly developed mechanism for automatically cleaning the printhead module nozzle surface eliminates extra labor and skill previously required for nozzle cleaning, and also allows long-term, stable printing.

User-Friendly Maintenance
- The "rising shutter" allows direct access to the print module, in addition to "cat walk" space for each color. Simple maintenance means increased productivity. Should the printhead module need changing, the process is simple and requires no special skill. Ink impact points can be easily adjusted using the image sensors.
- Equipped with functionality that compensates for errors detected by printhead nozzle sensors.
- Now able to adjust density uniformly for each color on all of the printhead modules, thanks to density correction functions using image sensors.
- Newly developed mechanism for automatically cleaning the printhead module nozzle surface eliminates extra labor and skill previously required for nozzle cleaning, and also allows long-term, stable printing.

Easy operation for increased work productivity

Touch panel & remote operation
- Employs a touch panel for visually intuitive operation. Make production and maintenance setting adjustments remotely with a tablet.

Konica Minolta inks for beautiful color development

Compatible with two types of ink
- In addition to existing reactive-dye ink, new disperse-dye ink has been developed for single-pass printing. Reactive-dye ink has cleared requirements for GOTS (Global Organic Textile Standard) certification.

NASSENGER SP-1
Single-Pass Textile Printer