

NASSENGER 10

| ■ Specifications | | | |
|--|--|--|--|
| Product Name | NASSENGER 10 | | |
| Technology | Drop on-demand piezo inkjet technology | | |
| Printhead | 1024 nozzles water-based inkjet printhead x 8colors72pcs (max. 9colors81pcs) | | |
| Ink | Reactive dye ink TYPE-P | Yellow, Extra Magenta, Cyan, Black, Orange, Blue, Pink, Gray, Sky | |
| | Disperse dye ink TYPE-S | Yellow, Magenta, Cyan, Black, Pink, Sky, Gray, Red, Violet | |
| | Acid dye ink | Yellow, Magenta, Cyan, Black, Blue, Light Magenta, Orange, Light Cyan, Light Black | |
| Printing Width | 1,850mm | | |
| Maximum Fabric Thickness | 8mm | | |
| Printing Mode | Draft | 370 ~ 990m ² /h (with 8 colors) | 360 ~ 980m ² /h (with 9 colors) |
| | Standard1 | 310 ~ 580m ² /h (with 8 colors) | 300 ~ 570m ² /h (with 9 colors) |
| | Standard2 | 140 ~ 450m ² /h (with 8 colors) | 140 ~ 440m ² /h (with 9 colors) |
| | Standard3 | 120 ~ 230m ² /h (with 8 colors) | 120 ~ 230m ² /h (with 9 colors) |
| | Extra1 | 70 ~ 230m ² /h (with 8 colors) | 70 ~ 230m ² /h (with 9 colors) |
| | Extra2 | 60 ~ 120m ² /h (with 8 colors) | 60 ~ 120m ² /h (with 9 colors) |
| Operating Environment / humidity condition | Mechanical Operating Condition | 15 ~ 30°C 40 ~ 70%RH | |
| | Color certifying condition of reactive dye ink | 20 ~ 28°C 40 ~ 70%RH | |
| Dimensions(W × D × H) | Scan Unit | W 5,800 × D 2,020 × H 1,860 (mm) | |
| | Transport Unit | W 2,600 × D 4,360 × H 1,140 (mm) | |
| | Belt cleaning Unit | W 2,360 × D 783 × H 662 (mm) | |
| Weight | Scan Unit | Approx. 1,800kg | |
| | Transport Unit | Approx. 2,100kg | |
| | Belt cleaning Unit | Approx. 300kg | |
| Power supply | AC Single Phase 200-240V 60A (50/60Hz) | | |

Details set out are current as of August 2015. The product specification is subject to change without prior notice.

NASSENGER 8

| ■ Specifications | | | |
|--|--|--|--|
| Product Name | NASSENGER 8 | | |
| Technology | Drop on-demand piezo inkjet technology | | |
| Printhead | 1024 nozzles water-based inkjet printhead | 4 line head x 32pcs (max. 36pcs) | |
| | | 2 line head x 16pcs (max. 18pcs) | |
| Ink | Reactive dye ink TYPE-P | Yellow, Extra Magenta, Cyan, Black, Orange, Blue, Pink, Gray, Sky | |
| | Disperse dye ink TYPE-S | Yellow, Magenta, Cyan, Black, Pink, Sky, Gray, Red, Violet | |
| | Acid dye ink | Yellow, Magenta, Cyan, Black, Blue, Light Magenta, Orange, Light Cyan, Light Black | |
| Printing Width | 1,850mm | | |
| Maximum Fabric Thickness | 15mm | | |
| Printing Mode | Draft | 170 ~ 380m ² /h (4line head) | 90 ~ 240m ² /h (2line head) |
| | Standard1 | 130 ~ 240m ² /h (4line head) | 70 ~ 130m ² /h (2line head) |
| | Standard2 | 70 ~ 200m ² /h (4line head) | 40 ~ 110m ² /h (2line head) |
| | Standard3 | 60 ~ 110m ² /h (4line head) | 30 ~ 60m ² /h (2line head) |
| | Extra1 | 40 ~ 110m ² /h (4line head) | 20 ~ 60m ² /h (2line head) |
| | Extra2 | 30 ~ 60m ² /h (4line head) | 15 ~ 30m ² /h (2line head) |
| Operating Environment / humidity condition | Mechanical Operating Condition | 15 ~ 30°C 40 ~ 70%RH | |
| | Color certifying condition of reactive dye ink | 20 ~ 28°C 40 ~ 70%RH | |
| Dimensions(W × D × H) | Print Unit | W 5,080 × D 2,010 × H 2,040 (mm) | |
| | Inkcrack | W 960 × D 1,965 × H 762 (mm) | |
| | Unwinder | W 2,544 × D 800 × H 1,150 (mm) | |
| | Drier&Winder | W 2,534 × D 1,668 × H 1,480 (mm) | |
| Weight | Print Unit | Approx. 3,300kg | |
| | Inkcrack | Approx. 170kg | |
| | Unwinder | Approx. 600kg | |
| | Drier&Winder | Approx. 270kg | |
| Power supply | Print Unit | AC Single Phase 200-240V 30A (50/60Hz) | |
| | Drier&Winder | AC Three Phase 380V 50A (50/60Hz) | |

Details set out are current as of August 2015. The product specification is subject to change without prior notice.



KONICA MINOLTA

NASSENGER 10

NASSENGER 8

High Resolution, High Output, & High Speed Scanning Textile Printer



KONICA MINOLTA, Inc.

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<http://www.konicaminolta.com/inkjet/index.html>

Giving Shape to Ideas

NASSENGER 10

Full-Fledged High-Volume Model with Increased Speed and Design Reproducibility



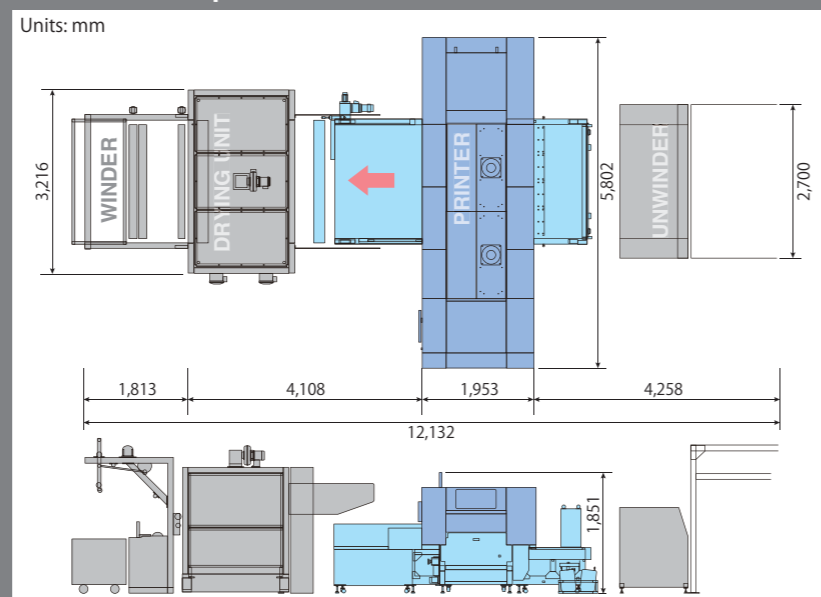
- High production capacity to handle loads produced by conventional flat screen textile printers.
- Offers diverse print modes to handle needs for volume production and high image quality.
- The optimal choice for customers handling large-lot print jobs requiring both quality and volume.

■ Diverse print modes

| Print mode | Print speed (with 8 colors) |
|------------|-----------------------------|
| Draft | 370~990m ² /h |
| Standard1 | 310~580m ² /h |
| Standard2 | 140~450m ² /h |
| Standard3 | 120~230m ² /h |
| Extra1 | 70~230m ² /h |
| Extra2 | 60~120m ² /h |

NASSENGER 10 offers print modes to suit your diverse needs for handling tight deadlines, high precision imaging, and high ink concentration/permeability.

■ Machine footprint



NASSENGER 8

Our standard model suited for wide applications, from sample printing to small lot production



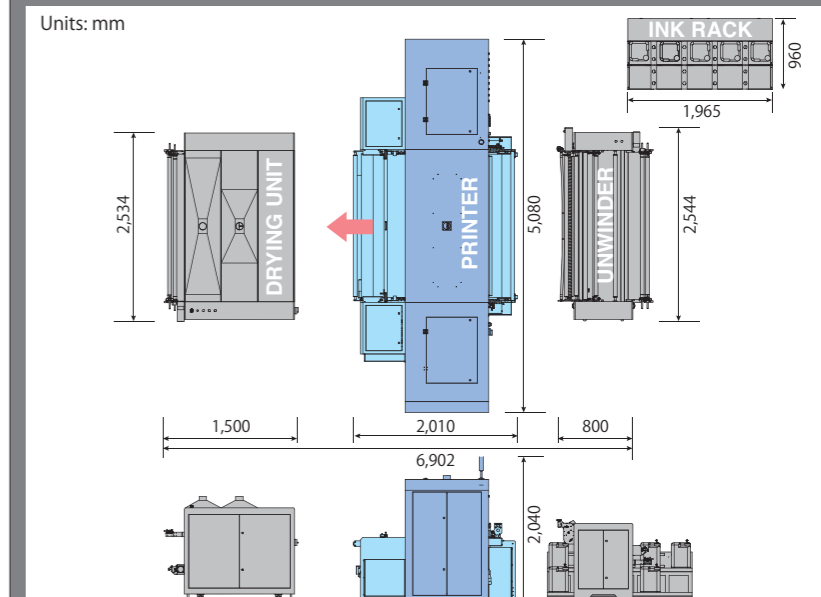
- Utilizes high resolution and stable production functions that deliver a higher level of print quality.
- Offers diverse print modes able to flexibly handle tight deadlines and large or small output.
- Optimum choice for customers handling medium-sized lots and looking to enhance their digital textile printing business.

■ Diverse print modes

| Print mode | Print speed |
|------------|--------------------------|
| Draft | 170~380m ² /h |
| Standard1 | 130~240m ² /h |
| Standard2 | 70~200m ² /h |
| Standard3 | 60~110m ² /h |
| Extra1 | 40~110m ² /h |
| Extra2 | 30~60m ² /h |

NASSENGER 8 offers print modes to suit your diverse needs for handling tight deadlines, high precision imaging, and high ink concentration/permeability.

■ Machine footprint



Increased Speed, Resolution, & Productivity

A high-performance printer pushing the evolution of digital textile printing.

Newly Developed Printhead for Unprecedented Detail

Equipped with a new inkjet printhead

Employs a new inkjethead developed by Konica Minolta, global supplier of inkjet printheads. NASSENGER 10 is equipped with 72 (81 as an extra option) 1,024-nozzle inkjet printheads, while NASSENGER 8 offers 32 (36 as an extra option).



Design performance with striking beauty

Design performance at an all new level thanks to flexible ink adjustments for small, medium, or large drop sizes, plus the ability to combine Konica Minolta's dark and light colored inks. Excellent gradation and detailed printing, as well as faithful and beautiful re-creation of intricate, contiguous geometrical and other designs that have previously been difficult to handle.

Precise, Fast, and User-Friendly Operation for Increased Productivity

Easy-to-read, easy-to-use UI & touch panel

Employs an intuitive wysiwyg user interface. The popular touch panel features straightforward and simple operation.



Easy Maintenance Design Further Increases Reliability

Access door & extra large window

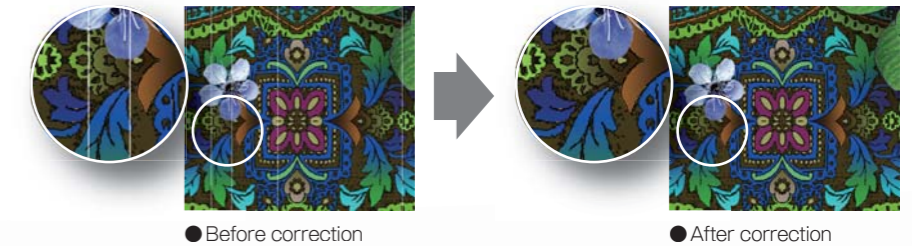
Conveniently designed for easily checking head carriage movement and printing status. Smoothly handle errors and quickly replace components.



Thoroughly Developed Stability for Minimal Downtime

Misprint recovery

Empty nozzle compensation function and proprietary image processing technology tackle problems that previously could not be avoided even with scanning printing.



Functions ensuring stable production

Equipped with head maintenance functions (printhead cleaning and empty nozzle detection systems). Achieves stable production and reduced running costs.

High Quality Ink for Flexible Color Re-creation

Vibrantly colorful Konica Minolta inks

8 colors standard (4 base + 2 special + 2 light colors) or 9 colors optional. Uses Konica Minolta's disperse-dye and reactive-dye inks with impressive color development. Optimally designed ink that maximizes printhead and printer functionality thanks to Konica Minolta's expertise as the only* supplier of inkjet printhead and printers in the digital textile printing market.

*As of August 2015; research by Konica Minolta.

Safety & Environmental Performance

Clears various safety and environmental standards

The Nassenger series greatly reduces environmental burdens compared to conventional flat screen textile printers. In addition, Konica Minolta's reactive-dye ink has cleared requirements for GOTS (Global Organic Textile Standard) certification.

