NEO-TEX
High Speed Industrial Digital Printer
Primarily Used For **Apparel** and **Home Textile Fabrics**

dpi

Cost - Effective Excellence
for Digital Textile Direct Printing



Making Industry Smarter!

High Cost - Efficiency Meets Superior Performance, Tailored for Small - Batch & Customized Printing Needs

NEO-TEX High Speed Textile Industrial Digital Printer
perfectly integrates high cost-effectiveness with superior performance,
specifically tailored for instant printing job requirements.

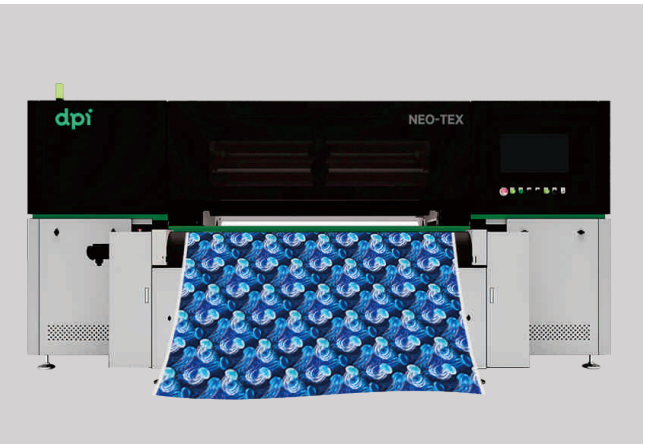
It boasts low investment and controllable operating expenses,
flexibly adapting to small-batch orders and customized production needs.
It is easy to operate with low maintenance cost,
while being equipped with efficient and innovative technologies
to deliver high-quality printing results.

Features

- Up to 32 Kyocera print heads, compatible with 6~8 color channels.
- Featuring an 1800mm - 2800mm printing width and paired with a fabric feeding system, it easily handles orders of different specifications.
- Full-circulation ink system and individual temperature control system automatically adjusted according to ambient and print head temps, ensuring jetting stability.
- Features width expansion centering and constant tension devices, compatible with various fabrics.
- Belt washing system with automatic real-time water spraying, ensuring effective belt cleaning whilst conserving water.
- Adopts a short-frame design, compact structure, small footprint, easy for transportation.

Application	
Apparel	√
Home Textile	√
Outdoor Sportswear	√
Ink Types	
Reactive Ink	√
Acid Ink	√
Disperse Ink	√
Pigment Ink	√
Fabrics	
Various Cotton	√
Rayon	√
Silk	√
Polyester	√

*For more details, please contact DPI









Print Heads & Ink Supply System

- Flexibly select print head configurations based on product characteristics.
- Equipped with up to 32 Kyocera print heads, and configured with up to 6~8 color channels.
- The 1800mm - 2800mm printing width covers small and medium-sized home textile & apparel fabric printing needs.
- Full-circulation ink system, auto-activating circulation in standby to prevent print head drying.
- Individual temperature control system, auto-adjusting to ambient and printhead temps for stable ink performance.

Software & Electronic Control

- Integrated unique feathering mode, customized feathering files to reduce the overlap problems.
- Tailor-made printing modes, optimized settings for different design.
- Supports partition control nozzle voltage adjustment to precisely control color variation.
- Accurate waveform & ink matching for accurate color reproduction.

Fabrics Feeding System

- Segmented (detachable) feeding system enabling convenient transport & installation.
- Compatible feeding system with optional single/multi-roll unwinding racks for jumbo/small rolls.
- Equipped with expansion centering and constant tension control devices, suitable for knit and woven fabrics.

Mechanical Structure

- Specialized steel beam structure design minimizes beam deformation risks.
- High-performance belts and transmission components with high-specification materials to ensure printing precision.

Belt Washing System

- Belt washing system with automatic real-time water spraying, ensuring effective belt cleaning whilst conserving water.
- Equipped with double brush rollers, sponge rollers, air blade, water-absorbing rollers and drying system, effectively ensures the stickiness of the belt.
- The scraper can flexibly adjust the angle according to the actual cleaning effect.

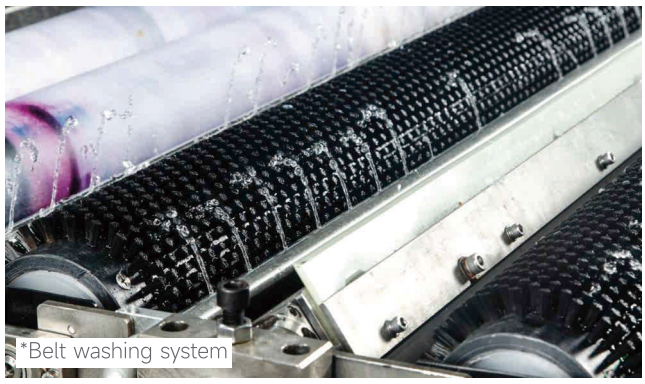
High-Efficiency Heating Room

- Symmetrical circulating air duct design, supporting single-layer or multi-layer fabric threading modes.
- Multiple heating methods: electricity,, natural gas, thermal oil, steam, etc.

Specification
Inline Integrated Fabrics Feeding System A-Frame Rack Optional · Integrated fabric feeding · External fabric feeding with A-frame rack
Fabrics Winding System · Plaiter Folding · Surface winding · Pneumatic shaft winding
Heating Room · Industrial heating room (1-3 sections). · Symmetrical circulating air duct design, · Multiple heating methods: Electricity, Natural gas, Thermal oil, Steam.



*NEO-TEX with fabric feeding system



*Belt washing system

Technical Data

Model	NEO	NEO L	NEO PRO	NEO PRO L
Print Head	Kyocera KJ4B EX600			
No. of print head	24~32			
Colors channel	6~8 Colors			
Max printing width	1800 / 2200 mm	2800 mm	1800 mm	2800 mm
Resolution	600~2400 dpi			
Drop size	5~16 pL			
Height of platform	950 mm			
Air	0.6 Mpa			
Power supply	Three phase 5 wires 380V			
Power	20 KW			
Dimension (L×W×H)	3600 × 4150 × 2100 mm 5100 × 4550 × 2100 mm	3600 × 5150 × 2100 mm	3600 × 4550 × 2100 mm	3600 × 5550 × 2100 mm
Weight	6,000 kg	6,500 kg	5,800 kg	6,800 kg

Based on 1800 mm printing width

		NEO-24(4×6)	NEO-32(4×8)	NEO PRO-24(4×6)	NEO PRO-32(4×8)
Resolution (dpi)	No. of printing pass	Printing speed @m/h	Printing speed @m/h	Printing speed @m/h	Printing speed @m/h
380×600	1	646	600	646	600
380×1200	2	355	330	355	330
508×600	1	551	521	551	521
508×1200	2	323	278	323	278
600×600	1	485	448	485	448
600×1200	2	280	232	280	232

Based on 2200 mm printing width

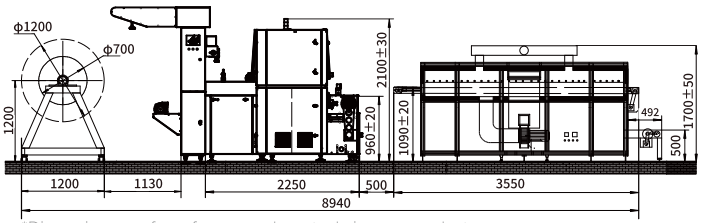
		NEO-24(4×6)	NEO-32(4×8)
Resolution (dpi)	No. of printing pass	Printing speed @m/h	Printing speed @m/h
380×600	1	580	540
380×1200	2	319	297
508×600	1	509	481
508×1200	2	298	257
600×600	1	448	414
600×1200	2	259	214

Based on 2600 mm printing width

		NEO L-24(4×6)	NEO L-32(4×8)	NEO PRO L-24 (4×6)	NEO PRO L-32(4×8)
Resolution (dpi)	No. of printing pass	Printing speed @m/h	Printing speed @m/h	Printing speed @m/h	Printing speed @m/h
380×600	1	542	504	542	504
380×1200	2	298	277	298	277
508×600	1	470	448	470	448
508×1200	2	270	239	270	239
600×600	1	410	385	410	385
600×1200	2	235	199	235	199

*Bidirectional printing speed is for reference only; actual speed depends on on-site production performance. Specifications are subject to change due to upgrades, without prior notice.

NEO-TEX Layout

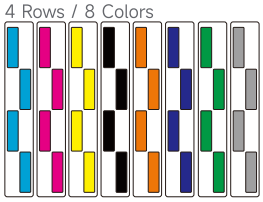


*Dimensions are for reference only; actual size per product.

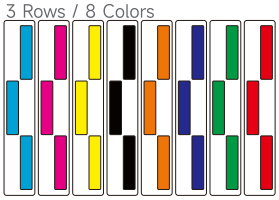


6~8 Colors / 24~32 Print heads
*Additional colors available for customization

4 Rows / 8 Colors



3 Rows / 8 Colors



DPI is a global technology enterprise, specializes in the R&D, manufacturing, sales, and service of high-speed industrial digital inkjet printers. DPI delivers innovative digital printing solutions to diverse industries such as ceramics, building materials, textiles, and packaging. For more information, please visit www.dpi-t.com