H2-TEX

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

Hyper Productivity
Driven By Premium Efficiency



Making Industry Smarter!

Brilliant Colors, Exceptional Image Quality, And High-speed Printing.

Leveraging DPI's proprietary industrial design and precision electronic control, H2-TEX High Speed Textile Digital Printer delivers high-definition printing and efficient production.

Configurable with 64 Kyocera print heads and up to 8 color channels, it expands color gamut for superior textile printing.

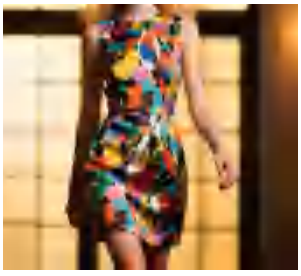
Features

- Up to 64 Kyocera print heads, featuring a 2000–2800mm printing width and support for 8 color channels.
- Features a full-circulation ink system and individual temperature control system, auto-adjusting to environment & printhead temps for stable ink performance.
- Enables unattended production with continuous multi-file printing, real-time progress tracking, and precise ink prediction.
- Equipped with a fabric feeding system, compatible with both jumbo and small rolls.
- 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.

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

- Printing width: 2000 - 2800mm.
- Up to 64 Kyocera print heads & 8 color channels.
- 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

- Self-developed printing software for the textile industry.
- Integrated unique feathering mode, customized feathering files to reduce the overlap problems.
- Tailor-made printing modes, optimized settings for different patterns.
- Supports partition control nozzle voltage adjustment to precisely control color variation.
- Accurate waveform files for accurate color reproduction.
- Reliable and durable motion control system.

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 stretching, centering and constant tension-control devices, suitable for knit and woven fabrics.

Performance Excellence & Stability

- The steel beam structure stabilizes the gap between print head and belt, reducing vibration and deviations during precise high-speed printing.
- Anti-crash devices with an extra layer of protection on the carriage to protect the print head against crash more effectively.
- With optimized mechanical design and strong deformation resistance, stable quality in mass production is guaranteed.

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, 3-layer fabric threading mode.
- Multiple heating methods: electricity, natural gas, thermal oil, steam, etc.
- Multi-section heating chamber, flexible and adaptable configuration per production need.

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
Drying Room · Industrial heating room (2-6 sections). · Symmetrical circulating air duct design, · Multiple heating methods: Electricity, Natural gas, Thermal oil, Steam.



*Belt washing system



Technical Data

Model	H2	H2 L
Print head	KJ4B-EX600 / KJ4B-EX600-RC	
No. of print head	48 ~ 80	
Max printing width	2000 mm	2800 mm
Resolution	600~2400 dpi	
Drop size	5~18 pL	
Colors channel	6~10 Colors	
Height of platform	1120 mm	
Air	0.6 Mpa	
Power supply	Three phase 5 wires 380V	
Power	40 KW	
Dimension (L×W×H)	5500×6400×2350 mm	5500×7200×2350 mm
Weight	10,000 kg	12,000 kg

Print head: KJ4B-EX600			
Based on **1800 mm** printing width		H2-48 (6×8)	H2-64 (8×8)
Resolution (dpi)	No. of printing pass	Printing speed @m/h	Printing speed @m/h
380×600	1	863	1031
380×1200	2	509	629
508×600	1	732	882
508×1200	2	431	536
600×600	1	656	802
600×1200	2	381	481

Print head: KJ4B-EX600			
Based on **2600 mm** printing width		H2 L-48 (6×8)	H2 L-64 (8×8)
Resolution (dpi)	No. of printing pass	Printing speed @m/h	Printing speed @m/h
380×600	1	728	855
380×1200	2	422	529
508×600	1	615	729
508×1200	2	357	451
600×600	1	548	659
600×1200	2	308	382

Print head: KJ4B-EX600-RC			
Based on **1800 mm** printing width		H2-48 (6×8)	H2-64 (8×8)
Resolution (dpi)	No. of printing pass	Printing speed @m/h	Printing speed @m/h
508×600	1	830	992
508×1200	2	490	605
600×600	1	740	910
600×1200	2	434	548

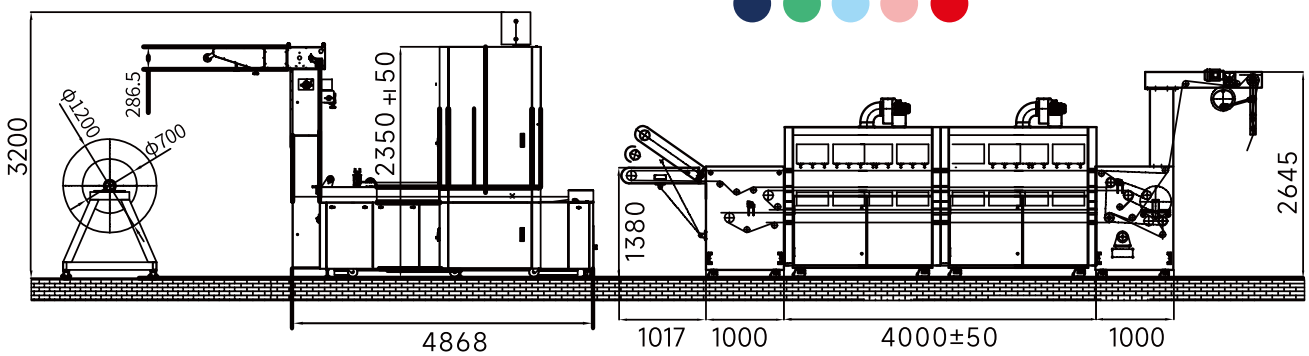
Print head: KJ4B-EX600-RC			
Based on **2600 mm** printing width		H2 L-48 (6×8)	H2 L-64 (8×8)
Resolution (dpi)	No. of printing pass	Printing speed @m/h	Printing speed @m/h
508×600	1	700	823
508×1200	2	406	509
600×600	1	620	744
600×1200	2	351	431

*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.

H2-TEX Layout



6~10 Colors / 48~80 Print heads
*Additional colors available for customization



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

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