dpi® Digital Inkjet Solutions
For Textile Printing Industry

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 48/64 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 2000–2600mm 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.

- Features a belt washing system with dual sink design for residue-free cleaning.

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
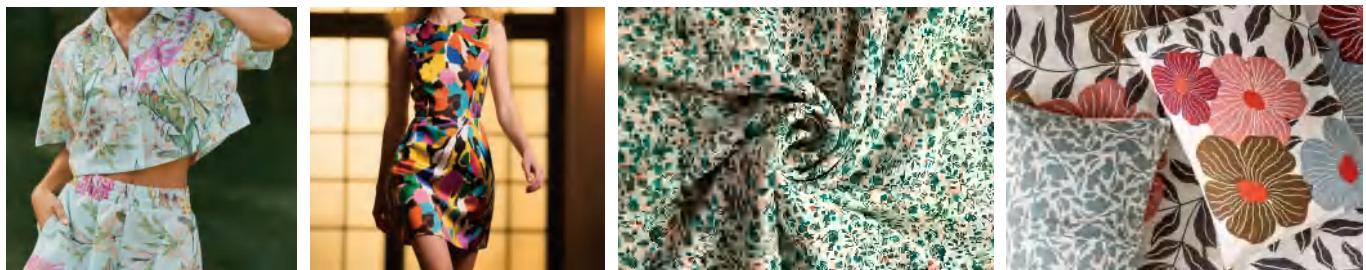
Print Heads & Ink Supply System

- Printing width: 2000 - 2600mm.
- 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.
- Dancing press roller with heating function to soften fabrics, increase adhesiveness and reduce wrinkles.

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

- Features a dual sink design, supporting separate water inflow and drainage.
- 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

Equipped with a high-efficiency heating room, adopting a symmetrical circulating air duct design to ensure a uniform and thorough drying effect.

Compatible feeding system with optional single / multi-roll unwinding racks for jumbo/small rolls.

Enables flexible queues management for continuous printing, supporting unattended automatic pattern change.

Technical Data

Model	H2-48	H2-64	H2 L-48	H2 L-64
Print head	Kyocera KJ4B-EX600			
No. of print head	48	64	48	64
Max printing width	2000 mm		2600 mm	
Resolution	600~2400 dpi			
Drop size	5~16 pL			
Colors channel	8			
Height of platform	980 mm			
Air	0.6 Mpa			
Power supply	Three phase 5 wires 380V			
Power	40 KW			
Dimension (L×W×H)	5500×6400×2650 mm		5500×7000×2650 mm	
Weight	10,000 kg		12,000 kg	

Based on 1800 mm printing width

Resolution (dpi)	No. of printing pass	H2-48 (6×8) Printing speed @m/h	H2-64 (8×8) Printing speed @m/h
400×600	1	804	1022
400×1200	2	482	612
508×600	1	732	929
508×1200	2	431	564
600×600	1	656	844
600×1200	2	381	507

Based on 2600 mm printing width

Resolution (dpi)	No. of printing pass	H2 L-48 (6×8) Printing speed @m/h	H2 L-64 (8×8) Printing speed @m/h
400×600	1	680	844
400×1200	2	407	506
508×600	1	615	767
508×1200	2	357	475
600×600	1	548	694
600×1200	2	308	402

*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.

C M Y K

8 Colors / 48–64 Print heads
*Additional colors available for customization

6 Rows / 8 Colors

8 Rows / 8 Colors

H2-TEX Layout
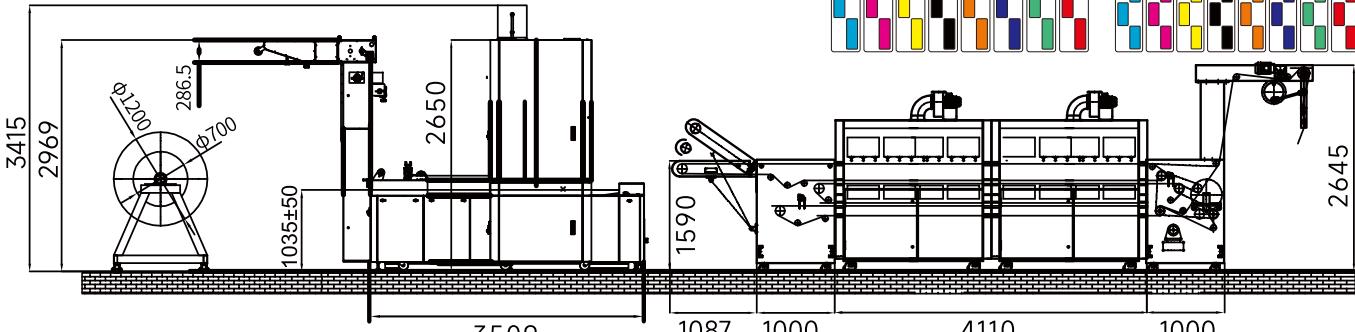
*Dimensions are for reference only; actual size per product.

3415
2969
Φ1000
Φ1270
286.5
Φ700
2650
1035±50
1590
2645
3509
1087
1000
4110
1000

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