# 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
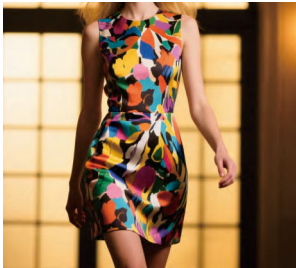
# Print Heads & Ink Supply System

- 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.
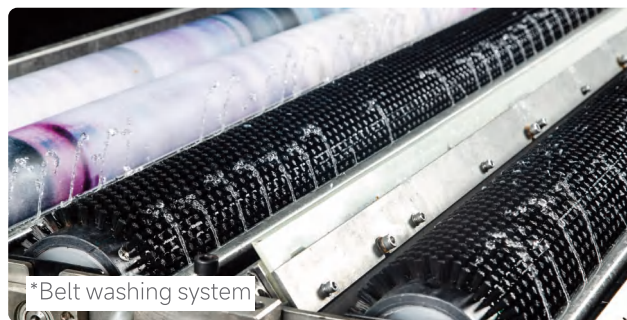
# High-Efficiency Heating Room

- 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<br>A-Frame Rack Optional<br>· Integrated fabric feeding<br>· External fabric feeding with A-Frame rack |
| Fabrics Winding System<br>· Plaiter folding<br>· Surface winding<br>· Pneumatic shaft winding |
| Drying Room<br>· Industrial heating room (2-6 sections).<br>· Symmetrical circulating air duct design,<br>· Multiple heating methods: Electricity, Natural gas,<br>  Thermal oil, Steam. |



*Belt washing system

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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

| | | H2-48 (6×8) | H2-64 (8×8) |
|---|---|---|---|
| Resolution (dpi) | No. of printing pass | Printing speed @m/h | Printing speed @m/h |
| 400×600 | 1 | 1082 | 1022 |
| 400×1200 | 2 | 638 | 612 |
| 508×600 | 1 | 971 | 929 |
| 508×1200 | 2 | 593 | 564 |
| 600×600 | 1 | 892 | 844 |
| 600×1200 | 2 | 533 | 507 |

## 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 |
| 400×600 | 1 | 913 | 844 |
| 400×1200 | 2 | 570 | 506 |
| 508×600 | 1 | 830 | 767 |
| 508×1200 | 2 | 489 | 475 |
| 600×600 | 1 | 750 | 694 |
| 600×1200 | 2 | 435 | 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.

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

6 Rows / 8 Colors     8 Rows / 8 Colors
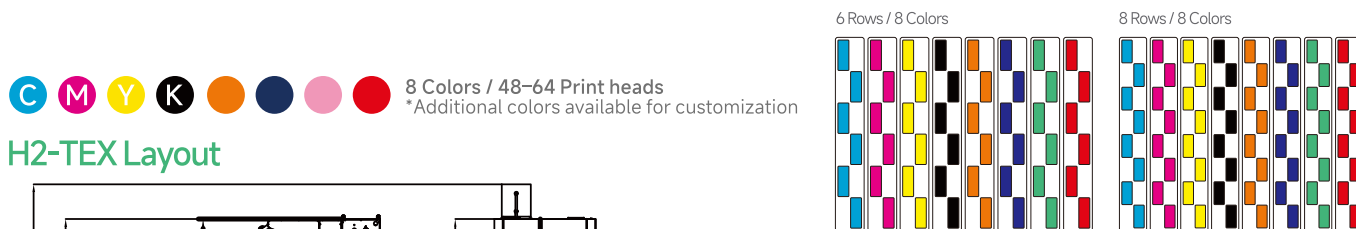
## H2-TEX Layout
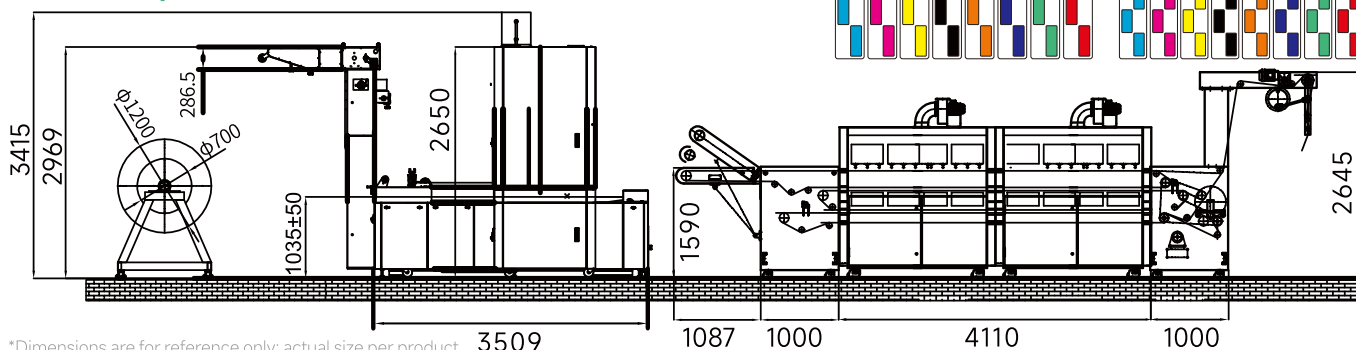


*Dimensions are for reference only; actual size per product.

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

**dpi**