

# HT2540UV

## Ultra Wide UV Flatbed Printing Solution

### Innovative Continuous Printing Technology

Automatic continuous printing without downtime, enabling efficient switching between different orders. No need to stop the machine when changing substrates, making production more flexible and efficient.

- **Max. Print Width: 2.5\*4.0 m (W\*L)**

- Breakthrough 4m ultra-wide printing capability,perfectly compatible with large-format printing and multi-color printing.
  - Efficient large-format prints in a single pass, eliminating the need for image segmentation and splicing, significantly improving printing efficiency.
  - Wide application range including advertising feature walls, home décor, custom wall features, architectural decoration, and more.

- **Productivity Up to 141 m²/h, Supporting 4-10 Colors**

- Advanced Technologies:Industrial-grade PLC control module, new Ricoh printhead design, and innovative circulation printing technology for superior performance.
  - High-Quality Printing: Supports up to 10 colors, with 4-16 Pass output and minimum ink drop size of 5pl, delivering finer, more vivid print results.
  - Outstanding Color Consistency, Ensures stable color reproduction across different batches within the same order, unlocking a significant advantage in color uniformity.

- **Flexible and Powerful Multi-Solution**

- **Printing Solutions:** Embossed texture painting, color-white-color with gloss varnish, color-white-color, full color, color-white, white-color, partial gloss varnish, white-color with gloss varnish, etc.
  - **Printhead Solution:** New four-row printhead solution, supports multiple printing modes.
  - **Color Solution:** CMYK + W + spot color flexible combinations as needed.
  - **White Ink Solution:** More than ten white ink solutions to increase efficiency and meet requirements.

- **Technical Support**

- **Intelligent Order Management System:** Supports queue printing with unlimited order loading without downtime.
  - **Variable Data Printing:** Efficiently handles dynamic barcode/image/data printing.
  - **Remote Fault Diagnosis and Maintenance:** Efficient technical support & after-sales service response.

• **Outstanding Performance**

Automatic Negative Pressure System

Automatic Height Measurement System

Adjustable UV Curing Power

Sensitive Carriage Anti-collision Device

Adjustable Suction Area

Optional Anti-Static Bar

Integrated Software Functions

High Quality Imported Original Parts



- **Comprehensive Efficiency Enhancement**

- **Industrial-grade PLC Control Module:** Stronger functionality expansion, faster response time, and supports automation equipment integration.
  - **New Ricoh Control Head Board:** Faster and more stable transmission speed, compatible with more printheads.
  - **Three-Zone Independent Printing:** Independent control for each zone, supporting different tasks to be performed simultaneously.
  - **Standard 6-Pedal Area Control:** More efficient continuous printing, significantly improving work efficiency.

- **Flexible Production Management**

- Supports queue printing of multiple specifications of panels, automatically adapts to different sizes of panels.
  - Supports larger widths, 4-meter large-format panel printing in one go, with higher efficiency.

- **New Software Architecture**

- Provides a rich set of functional applications, operates more smoothly, and offers stronger compatibility.

\*Automated production robotic arms (optional)  
The robotic arm pictures are for promotional illustration only.  
The actual product's appearance follows the concluded contract.



### Technical Parameters:

|                                   |                                                                                                                                               |           |         |         |           |           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------|---------|-----------|-----------|
| Model                             | HT2540UV                                                                                                                                      |           |         |         |           |           |
| Printing Information              |                                                                                                                                               |           |         |         |           |           |
| Printhead                         | GEN6                                                                                                                                          |           |         |         |           |           |
| Number of Printheads              | 4-16 pcs (4-Row)                                                                                                                              |           |         |         |           |           |
| Pass                              | 4 Pass                                                                                                                                        | 6 Pass    | 8 Pass  | 9 Pass  | 12 Pass   | 16 Pass   |
| Productivity(2.5*4.0m full width) | 141 m²/h                                                                                                                                      | 95.5 m²/h | 71 m²/h | 63 m²/h | 46.7 m²/h | 35.3 m²/h |
| Printing Modes                    | Bidirectional high speed                                                                                                                      |           |         |         |           |           |
| Media & Ink                       |                                                                                                                                               |           |         |         |           |           |
| Max. Print Width                  | 2.5*4.0 m (W*L)                                                                                                                               |           |         |         |           |           |
| Max. Media Thickness              | 100 mm                                                                                                                                        |           |         |         |           |           |
| Media                             | Background wall decoration, steel plates, soundproof cotton, waterproof fabrics, water entertainment equipment, and other large-format media. |           |         |         |           |           |
| Ink Type                          | Environmentally friendly UV-curable ink (VOC-free)                                                                                            |           |         |         |           |           |
| Ink Color                         | CMYK + White + Spot colors (up to 10 colors supported)                                                                                        |           |         |         |           |           |
| Software & Features               |                                                                                                                                               |           |         |         |           |           |
| Curing                            | LED Curing (adjustable power)                                                                                                                 |           |         |         |           |           |
| Transfer                          | High-speed PCIE                                                                                                                               |           |         |         |           |           |
| RIP                               | Caldera                                                                                                                                       |           |         |         |           |           |
| Input                             | PDF, JPEG, TIFF, EPS, AI.....                                                                                                                 |           |         |         |           |           |
| Dimensions & Weight               |                                                                                                                                               |           |         |         |           |           |
| Machine Dimensions                | 5420*5026*1580 mm (L*W*H)                                                                                                                     |           |         |         |           |           |
| Net Weight                        | 3000 KG                                                                                                                                       |           |         |         |           |           |
| Power & Environment               |                                                                                                                                               |           |         |         |           |           |
| Power Consumption                 | 12.5kW (57A)                                                                                                                                  |           |         |         |           |           |
| Power Supply                      | 220V                                                                                                                                          |           |         |         |           |           |
| Environmental Requirements        | Independent, clean, low-dust, low-light workspace with good ventilation                                                                       |           |         |         |           |           |
|                                   | Operating Temperature: 18°C ~ 30°C (64°F ~ 86°F)                                                                                              |           |         |         |           |           |
|                                   | Relative Humidity: 30% ~ 70% (non-condensing)                                                                                                 |           |         |         |           |           |

### Industrial Digital Inkjet Comprehensive Solution Provider



Independent printhead-drive technology



Self-developed control system



Self-developed MES system



Industrial-grade PLC control module



Independent ink industrial chain



Remote service maintenance system and local services

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V1.0/2025