

HT2513UV

Intelligence Evolution Automation Upgrade
UV Inkjet Flatbed Printer

Technical Breakthroughs:

New PLC Module, New Printhead Scheme, New Software Architecture, New Design and so on

117 m²/h

Max. Productivity

363*3600 DPI

Max. Resolution

2.5*1.3 m

Max. Print Width

Max. 10 Colors

Upgraded Color Scheme



HT2513UV

4-Row Ricoh Applications Technical Breakthroughs

Equipment Configuration

- **Brand New Design:**
Upgraded appearance meeting modern work and production demands.
- **4-Row Ricoh Scheme:**
Fully equipped with 24 heads, unleashing 117m²/h productivity.
- **Supports Normal & Symmetrical Arrangement:**
Flexible selection; symmetrical arrangement significantly boosts production efficiency and quality.
- **Color Scheme:**
Supports 4-10 colors with expandability for Spot Colors / Varnish / Fluorescent inks, targeting the high-end market.
- **UV Ink:**
Enhanced weather resistance, fast-drying, vivid color performance, and eco-friendly (VOC-free).





Automatic Efficiency Boost

Automatic Blowing/Suction System:

- Platform features 4-zone independent air control. Blowing/Suction controllable via both buttons, software, variable fan speed.
- Flexibly adapts to boards of different sizes/materials. Negative pressure suction ensures flatness, enhancing print precision & efficiency.

Automatic Media Positioning:

- Rapid automatic calibration and precise positioning for media of different sizes and specs.
- Eliminates manual adjustment of positioning bars, ensuring a unified print starting point for every board.

Pedal Zone Control:

- Control material positioning and suction; uses foot pedal method to automatically start printing.
- Eliminates the need to walk back and forth between the computer and machine, making printing more efficient.

Intelligent Advancement

Remote Response & Maintenance:

- Supports remote access to real-time data, parameter modification, or fault diagnosis during equipment warnings.
- Enables preliminary diagnosis and troubleshooting without technicians on-site, improving O&M efficiency.

Real-Time Ink Management:

- PLC triggers warnings and auto-pauses tasks when ink levels are low.
- Real-time monitoring of ink supply caused cost by blockages or leakage.

Supports Optional Automation Equipment:

- Flexible PLC programming supports efficient development and standard communication interfaces for high expandability.
- Can connect to high-automation external devices (like robotic arms) for automatic loading, unloading, positioning, and movement.

Technical Breakthroughs

- **X, Y Axis Bi-Directional Auto Blank Skipping:**
On-demand partial printing, intelligently skipping blank areas to save costs.
- **X-Direction Linear Motor Drive:**
X-axis magnetic levitation drive for extreme response speed.
- **Magnetic Encoder Scale:**
Industrial-grade magnetic scale ensures alignment precision.
- **New Negative Pressure & Independent Ink Heating & Solenoid Valve System:**
Efficient operation of the ink system.
- **New Software Architecture:**
More intuitive and user-friendly platform; easier daily printhead maintenance.
- **Intelligent Order Management:**
Supports queue printing for various board specs and automatic multi-order printing.
- **Upgraded Crash Protection & Resume:**
Smart stop upon collision with breakpoint recording; protects printheads and resumes printing after troubleshooting.
- **Safety & Precision Enhancements:**
Light curtain protection & anti-static bars—double assurance for operational safety and print precision.



HT2513UV

Industrial PLC Intelligent Advancement

The new generation HT2513UV applies a PLC Control Module designed specifically for industrial environments. This empowers the equipment with stronger interference capabilities and more agile response speeds, comprehensively advancing industrial production automation and intelligence.

Print Efficiency Boost

- **One-Click Printing:** Comprehensively simplifies the operation workflow.
- **Double-Sided Printing:** Industrial-grade precise registration for front and back sides.
- **Loop Printing:** Continuous printing with no downtime required for material changes.
- **Performance Upgrade:** Achieves higher equipment response speeds.

Stability Performance Boost

- **Industrial Hardware Architecture:** Solid and reliable build, adapted for 7x24h continuous production.
- **Strong Anti-Interference:** Achieves low failure rates, zero downtime, and continuous operation in complex environments.
- **Adapts to Harsher Production Environments:** Effortlessly handles complex operational conditions at various industrial sites.

Authorized Certifications

HandTop UV Inks Certified with UL GREENGUARD [Gold]



Application

Advertising Printing + Signage + Exhibitions + Home Decor + Specialized Industrial Segments, etc.

