

Authorized Certifications

HandTop UV Inks Certified with UL GREENGUARD [Gold]



Application

Focusing on Large Format, High Productivity, and Outdoor Durability Scenarios Large-scale Advertising Signage + Commercial Displays + Architectural Decoration, etc.



Technical Parameters:

Model	HT3116UV					
Printing Information						
Printhead Configuration	Kyocera					
No. Printheads	Max. 16 pcs (3 Rows)					
Max. Resolution	600*1800 DPI					
Productivity	4 Pass	6 Pass	8 Pass	9 Pass	12 Pass	16 Pass
	200.6 m ² /h	129.3 m ² /h	97.5 m ² /h	86.2 m ² /h	64.6 m ² /h	48.3 m ² /h
Print Mode	Bidirectional high speed					
Media & Ink						
Max. Print Width	3.1*1.6 m					
Max. Media Thickness	100 mm					
Media	Aluminum Composite Panel, Weather-resistant Acrylic, High-density Foam Board, Eco-friendly PVC, Solid Wood Veneer, and Various Other Boards					
Ink Type	Environmentally friendly UV-curable ink (VOC-free)					
Ink Color	CMYK + White + Varnish + Spot colors (up to 10 colors supported)					
Software & Features						
UV Curing Method	LED curing (adjustable power)					
Data Transmission Method	High-speed PCIe transmission					
RIP Software	Caldera					
Input Formats	PDF, JPEG, TIFF, EPS, AI, etc.					
Dimensions Weight						
Device Dimensions	5768*3529*1550 mm (L*W*H)					
Net Weigh	2600 Kg					
Power Environment						
Power Consumption	Host: 9.8 kW (44.5 A)					
Power Supply	220 V					
Environmental Requirements	Independent, clean, low dust, low light, well-ventilated workspace.					
	Operating Temperature: 18°C~30°C (64°F~86°F)					
	Humidity: 30%~70% (no condensation)					

Industrial Digital Inkjet Comprehensive Solution Provider



Core Digital Inkjet Technology



Industrial-grade Supply Chain



Independent Ink Industry Chain



Comprehensive Solution Capabilities



Strong R&D & Manufacturing Support



Global Service Network

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HT3116UV

Stepping Up to a New Level of Automation & Intelligence
Large Format UV Inkjet Flatbed Printer

Technical Breakthroughs:

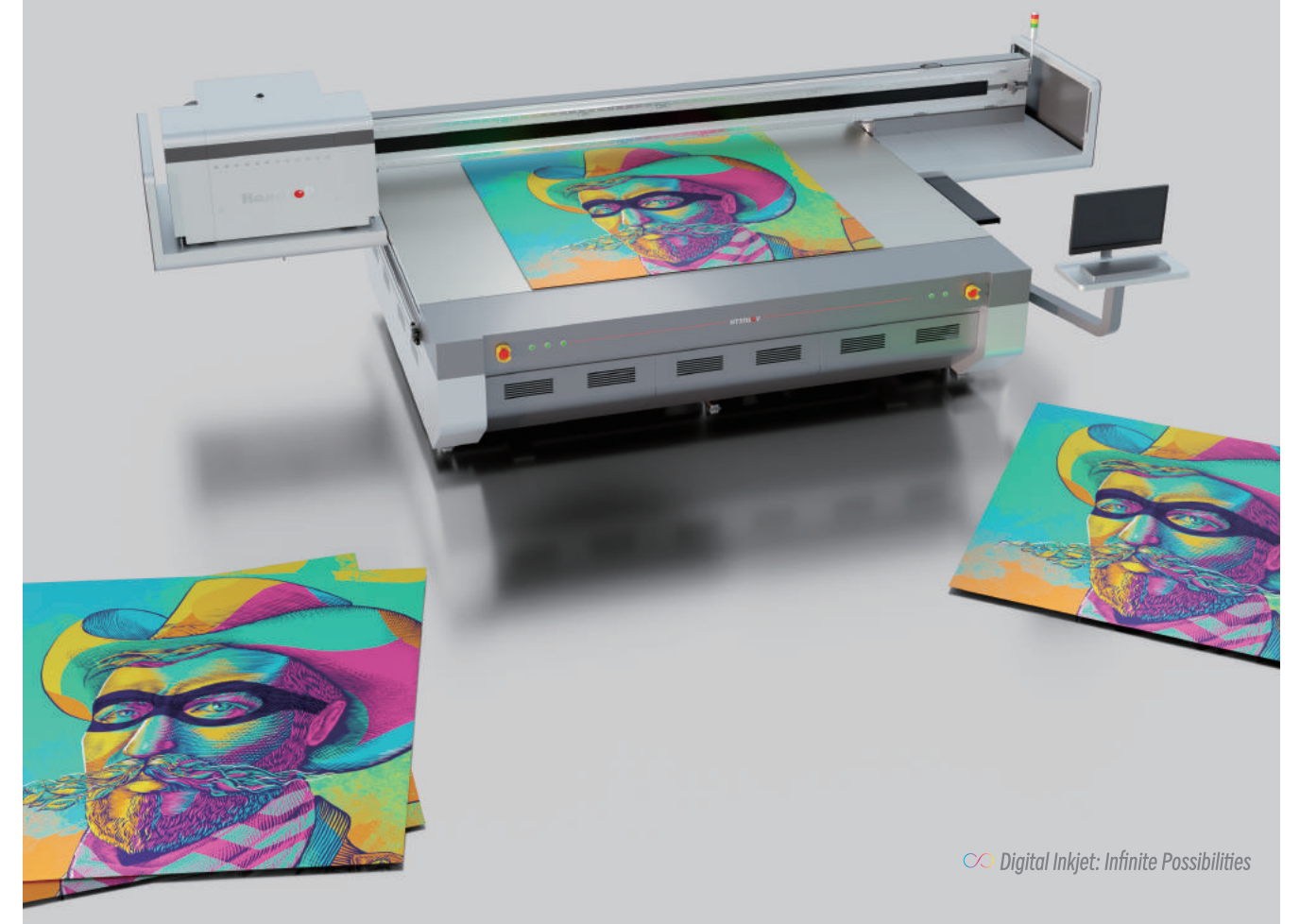
New PLC Module, New Printhead Scheme, New Software Architecture, New Design and so on

200.6 m²/h
Max. Productivity

600*1800 DPI
Max. Resolution

3.1*1.6 m
Max. Print Width

Max. 10 Colors
Upgraded Color Scheme



∞ Digital Inkjet: Infinite Possibilities

HT3116UV

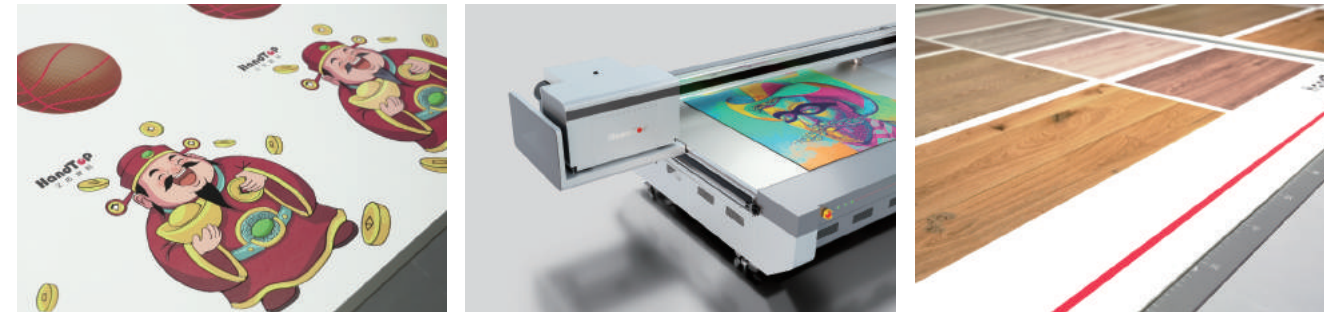
3-Row Kyocera Applications Technical Breakthroughs

Equipment Configuration

- **Brand New Design:**
Upgraded appearance meeting modern work and production demands.
- **New 3-Row Kyocera Scheme:**
Fully equipped with 16 heads, unleashing 200.6m²/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).

Technical Breakthroughs

- **X, Y Axis Bi-Directional Auto Blank Skipping:**
On-demand partial printing, intelligently skipping blank areas to save costs.
- **Bi-Directional Linear Motor Drive:**
X/Y axis magnetic levitation drive for extreme response speed, significantly improving efficiency.
- **Metric/Imperial Metal Optical Grating Ruler:**
Industrial-grade high-precision grating; resistant to temperature differences to ensure registration 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:**
Automatically processes multiple orders for printing, auto-splits double-sided orders, and delivers finished products directly.
- **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.



HT3116UV

Industrial PLC Intelligent Advancement

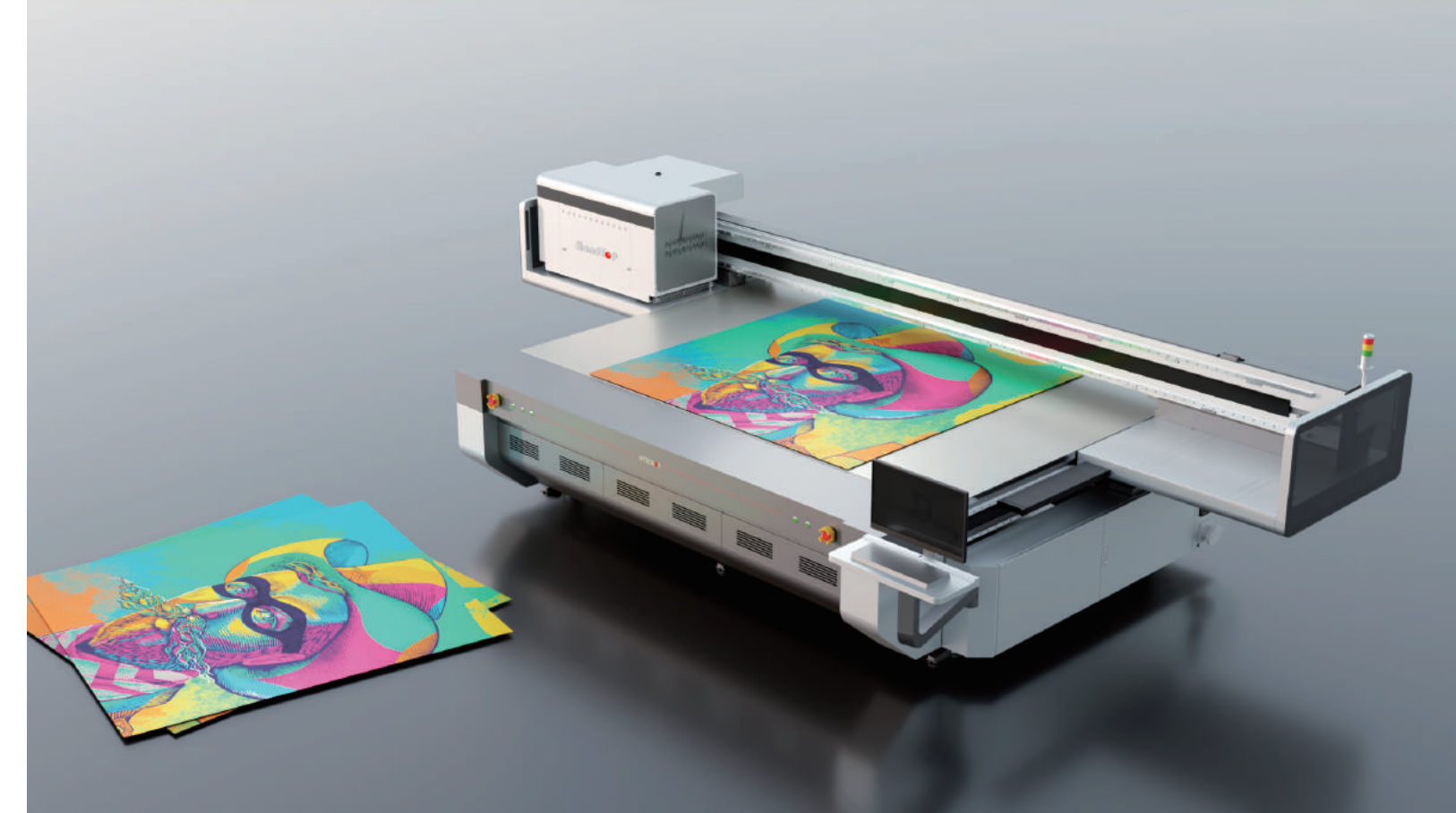
The new generation HT3116UV applies a PLC Control Module designed specifically for industrial environments. This empowers the equipment with stronger interference capabilities and more agile response speeds, comprehensively advancing industrial production automation and intelligence.

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.



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.

