

Technical Parameters:

Model	LabStar330HD
Printhead Resolution	1200 DPI
Ink	
Type	UV Ink
Color Configuration	Standard mode: W+CMYK; Optional: 3 spot colors (OGV)
Substrates	
Type	PET/PVC/PP/PE/BOPP and other films, synthetic papers, coated papers, aluminum foils, and other specialty materials
Material Width	75-350 mm
Max. Roll Diameter	800 mm
Unwinder/Rewinder Core	3" (air shaft)
Material Thickness	0.02-0.5 mm
Feeding	Roll to Roll
Roll Change	Automatic lifting by dual-spindle
Environment & Physical	
Dimensions	5020*1600*2130 mm (L * W * H)
Net Weight	4900 KG
Power	40kW / AC 380V
Air Requirement	Industrial compressed air source 0.6-0.8 Mpa
Temperature	18-25°C, independent, clean, low dust, minimal light, well-ventilated
Relative Humidity	40-65% (no condensation)
Input Format	TIFF, PDF, etc.
UV Curing	LED+UV Curing System (modular curing design)
Data Transmission	High-speed PCIE transmission
Additional Functions	Corona treatment, Web cleaner electrostatic removal, Modular curing modules, Web break sensor, Automatic roll diameter detection, Automatic ink consumption detection, Full servo control system

Industrial Digital Inkjet Comprehensive Solution Provider



Independent printhead-drive technology



Self-developed control system



Self-developed MES system



Independent ink industrial chain



Remote service maintenance system and local services

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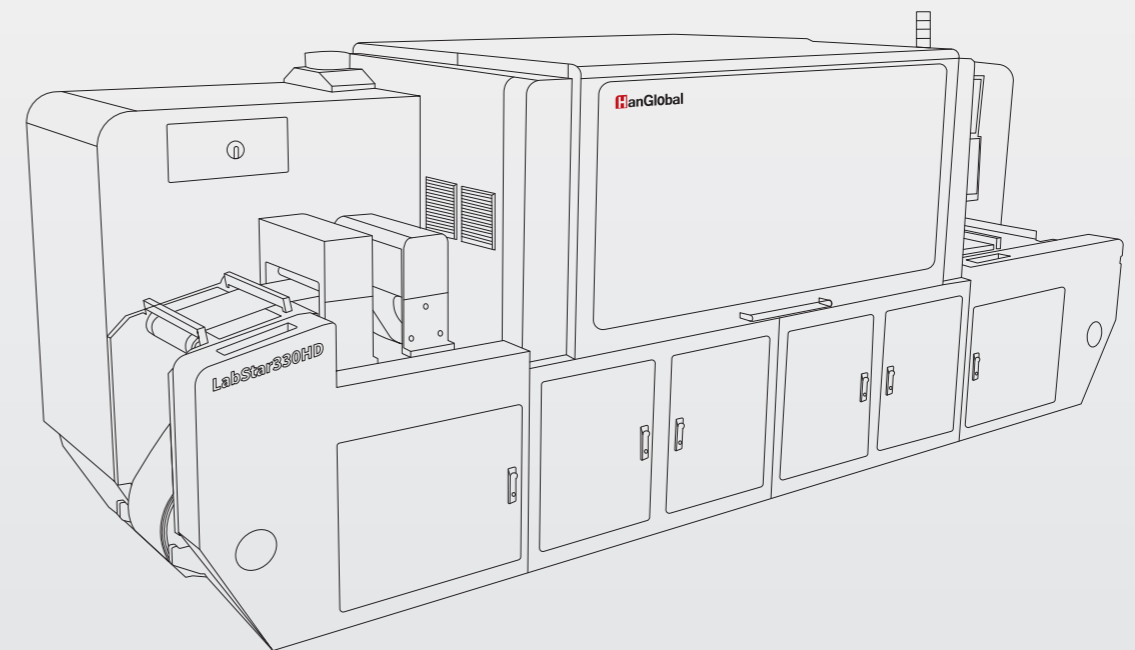
V1.0/2025



LabStar330HD

1200 DPI High-Speed Digital Label Press

Labels & Flexible Packaging
Comprehensively Advanced Inkjet Competitiveness!



Max. Print Speed: 120 m/min

Max. Resolution: 1200*1200 DPI

Ink Droplet Size: 2pl, 4pl

Color Solution: Upgraded 8-Color

Core Tech: Single Pass Technology, 1200 DPI Inkjet Technology

Digital Inkjet System

LabStar330HD integrates Single Pass on-demand inkjet and 1200 DPI technology. Ideal for label, flexible packaging, and product display production, it ensures efficient, high-quality, continuous, and stable operations. With improved performance, it offers better image quality and faster delivery, helping you meet market demands at a lower cost and higher output.

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Enhanced Productivity—Max. Print Speed: 120 m/min

New 1200DPI industrial piezo-ceramic printheads boost speed, reaching up to 120 m/min. Stable high-speed printing is ensured by Single Pass and piezo inkjet technologies. The integrated inkjet control system monitors all components of the printing system in real time. The efficient order management system allows for file loading without machine stoppage, enabling seamless job changes and higher efficiency.

Industry-Leading Quality—Max. Resolution: 1200*1200 DPI

Smaller dots and finer ink droplets, performing well in presenting complex patterns and fine text. With a max. ink droplet of 4pl for vivid colors and a min. of 2pl for sharp details. Achieves smoother gradients and clearer graphic and text details. Expanding the color gamut.



New 8-Color Mode—Supports W+CMYK+OVG

New Color Mode	Standard	Options	Enhancement Module
Upgraded from 7-color, with over 93% Pantone coverage.	W+CMYK	3 sets of spot colors (O, V, G) to improve color gamut.	Additional enhancement modules, e.g., flexo, digital foiling, digital varnish, etc., can be integrated for added functionality.



Durable & Cost-Effective

- Double-wall panel Unwind/Rewind: Stronger structure for fast coil handling.
- Servo Unwind/Rewind System: Stable tension reduces material waste.
- Innovative Structure: Less waste, better performance.
- Super Save System: Seamless job change with web rewind system to prevent material loss from one job to another.
- Modular Design: Solid build, less space.
- Auto Printhead Maintenance: One Touch clearing, to minimize maintenance cost.

Technologies & Functions

Master Core Inkjet Technologies—Single Pass

Based on precise design and HanGlory's strength, HanGlobal's Single Pass technology meets diverse high-speed printing needs across its digital label press series.

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Self-Developed Print Drive System

HanGlobal has developed its own printhead drive and overall control systems. This helps customers maximize printhead performance and get comprehensive tech support for production challenges.

Mature Piezo Inkjet

Over 10 years of cooperation with top Japanese printhead brands. Precise ink control from this mature technology suits complex designs and fine text.

Diverse Functions

- **Pre-Registration for Overprinting**
Reduces waste in overprinting, cuts the reject rate, and boosts material use.
- **Anti-Power-Outage Protection**
Stops ink leakage during power outages, protecting equipment and materials.
- **Full Servo Control System**
Precise servo control for accurate printing within the whole printing process.
- **Modular Drying Components**
Dries ink fast to avoid ink dispersion on high speed printing.
- **Corona, Dust Clearer, Anti-Static Control**
Corona treatment improves ink adhesion, dust removal cleans the surface, and antistatic elimination for plastic materials to reduces issues during printing processes.



Comprehensive Detection Technologies

- **Warpage Detection & Avoidance**
Reduces losses from material warpage, protects the printhead, cuts downtime, and saves materials.
- **Tension Detection**
Stable web tension for all types of material to rewind in prefect tension.
- **Web-Break Detection**
Monitoring web path in the whole printing process, instant stop to prevent down time during printing processes.
- **Roll-Diameter Detection**
Tracks roll diameter changes in real-time and adjusts printer settings for seamless production.
- **Automatic Printing - Height Setting Function**
Adjusts printhead parameters according to material thickness to avoid crashing and scratching on printhead.
- **Ink-Consumption Detection**
Precise ink monitoring and calculation optimize ink use and control costs.

INK & Applications

High - Performance UV Ink

We keep developing high-performance UV ink for better weather resistance, faster drying, and vivid colors. They offer great print quality with less ink and are eco-friendly.

Quick-Drying

Strong Material Adaptability

Enhanced Weather Resistance

High Color Saturation

High Abrasion Resistance

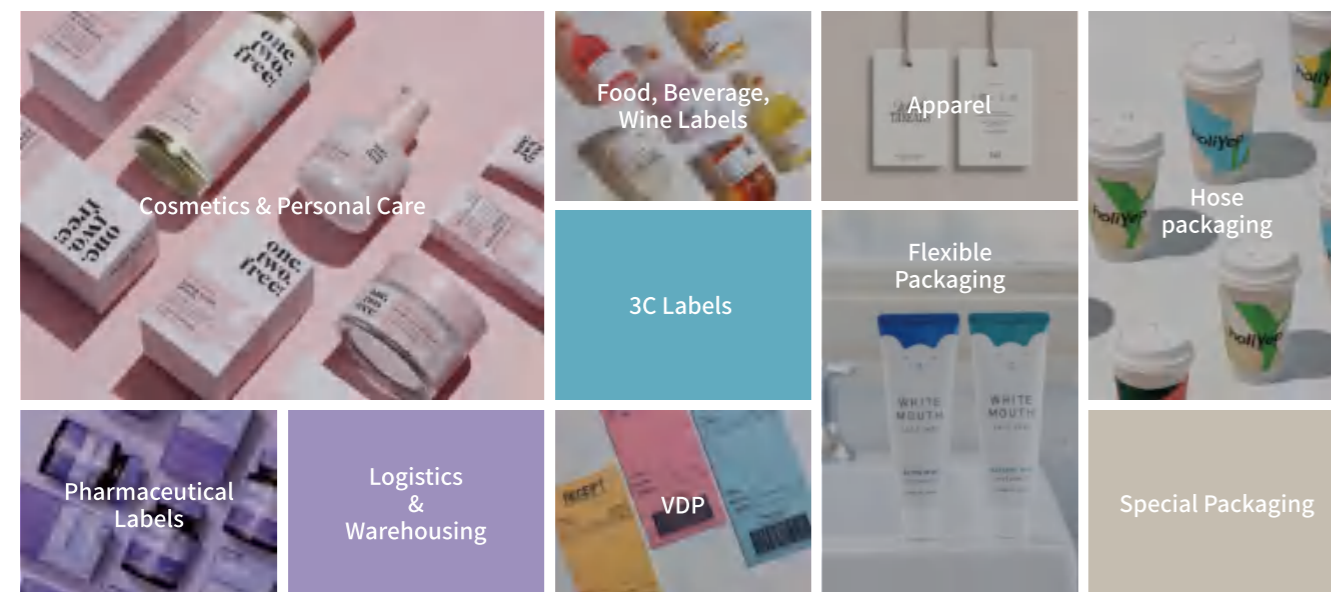
High Sun Festering Resistance

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Printing Substrates

Papers	Films	Specials
Coated, Matte, Thermal, Synthetic, Specialty, etc..	PE, PP, PVC, PET, and other synthetic films.	Infinite length in 1 job order, metal foils, tube stocks, folding cartons.

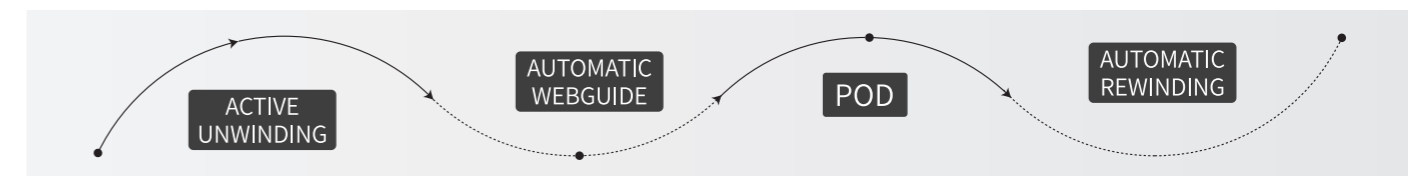
Wide-ranging Applications



Model Options(Optional)

Roll-to-Roll Configuration (Standard)

Integrated Full-Process Roll-to-Roll Production



Combination Configuration (Optional)

Supports flexible expansion into a Hybrid combination production line.

- **Flexo Printing Unit**
Supports multi-color installation.
Can be flexibly added before or after the inkjet unit.
Enables multi-process label formation in a single pass.
True Pantone® coverage (achieving genuine spot colors).
- **Enhancement Unit**
Perfectly achieve digital hot foiling, cold foiling and varnishing processes.
Precise ink control with adjustable ink thickness, delivering fine 3D text effects.
- **Die-Cutting and Finishing Unit**
Integrated post-processing module for inline production and finished product rewinding.
Additional post-processing options available for customer selection.
- **Other Units**
Lamination, compounding, waste removal, and other functional modules.