

Technical Parameters

Model	LabStar 330S
Production Mode	
Max. Print Speed	50 m/min
Printhead Resolution	600 DPI
Max. Print Width	322 mm
Ink Configuration	
Ink Type	UV Ink
Color Config	Standard mode: W+CMYK; Optional: 3 spot colors (O, G, V)
Print Substrates	
Applicable Materials	PET/PVC/PP/PE/BOPP films, synthetic, coated papers, aluminum foils,etc.
Material Width	75-350 mm
Max. Roll Dia.	800 mm
Roll Core Dia.	3"(air shaft)
Material Thickness	0.02-0.5 mm
Feeding Method	Roll-to-roll
Roll Change Method	Dual-arm pneumatic lifting
Equipment Specifications	
Dimensions	4200*1600*2130 mm(L * W * H)
Net Weight	3400 KG
Power	40kW / AC 380V
Air Requirement	Industrial air source, 0.6-0.8 MPa, clean and water-free
Operating Temperature	18-25°C, independent, clean, low-dust, low-light, well-ventilated
Relative Humidity	40-65%(no condensation)
Input Formats	TIFF, PDF, etc.
UV Curing	Combined UV drying (LED + UV Mercury)
Data Transmission	High-speed PCIE
Additional Features	Tension detection, corona treatment, dust removal, static elimination, modular drying, paper break detection, print height setting, automatic ink consumption detection, full servo control system, etc.

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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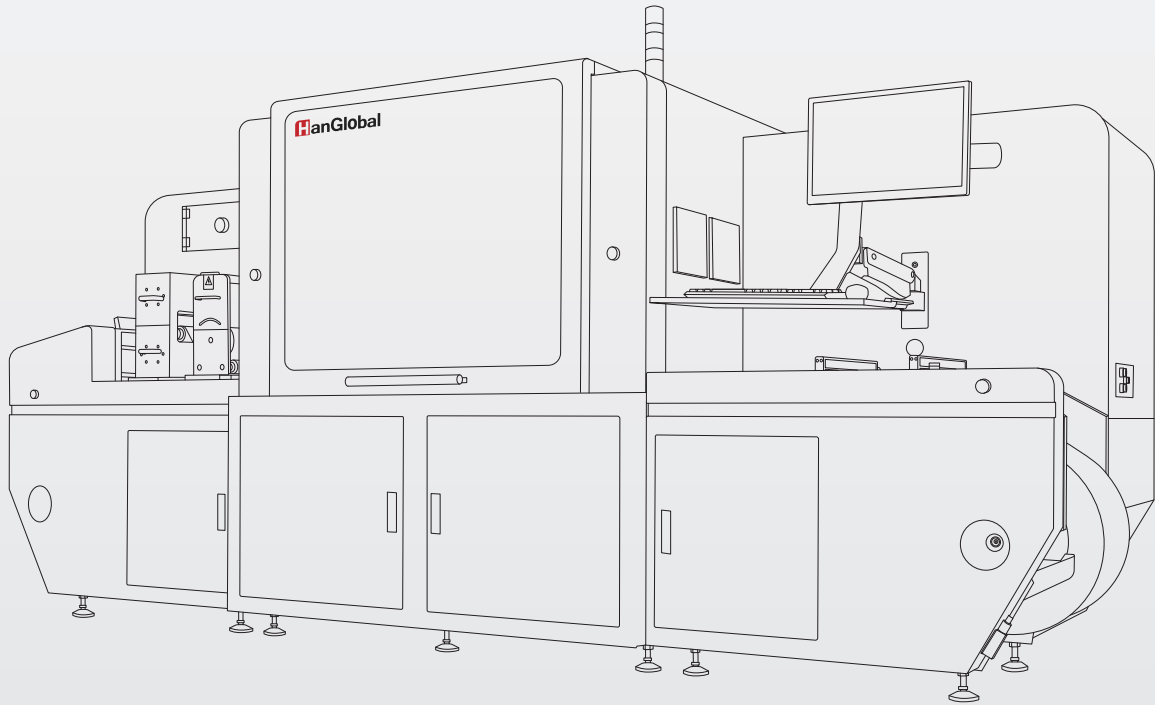
V1.0/2026



LabStar 330S

Label Digital Inkjet Press

7S Core Strengths Pioneer a New Benchmark in Color Label Printing



Max. Print Speed: 50 m/min

Max. Print Width: 322 mm

Color Solution: 7-Color Mode

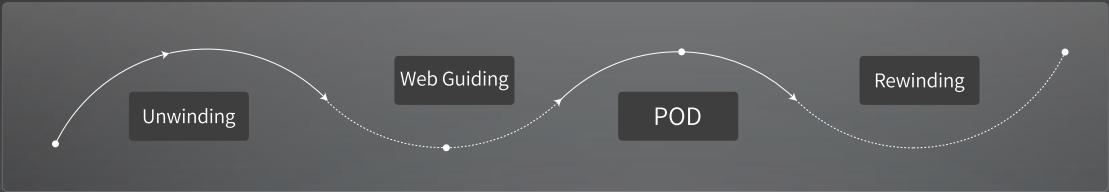
Multi-Level Ink Droplets: Grayscale Printing

Core Tech: Single Pass Technology

Digital Inkjet System

The LabStar 330S, HanGlobal's gateway flagship press, leverages proven Single Pass POD technology and industrial-grade piezoelectric printheads. It is engineered to master the core demands of today's label, flexible packaging, and product display markets—including personalization, multi-version jobs, efficient delivery, flexible production, and variable data. This press unlocks new opportunities for business expansion and profitability.

- **Roll-to-Roll Solution (Standard)**
Integrated Full-Process Roll-to-Roll Production



- **Optional Solutions:**
The Modular Design Allows for Future Upgrades to a Full Hybrid Production Line
Flexibly integrate additional solutions on-demand, such as flexo units, digital enhancement, in-line die-cutting, etc.



7S Core Strengths

- **SUPER**

Max. Print Speed: 50m/min
Color Solution: 7-Color Mode
Standard Model : W + CMYK
Flexible Modular Configurations—Optional Configurations:
Add 1-2 spot colors (O, V, G optional)
Supports optional configuration of 1-2 sets of inkjet varnish/matte varnish/3D varnish/reverse varnish, etc. to achieve special effects
Optional digital hot stamping&laminating module for an integrated line, enabling inline cold stamping

C (Standard)	W (Standard)
M (Standard)	O (Optional)
Y (Standard)	V (Optional)
K (Standard)	G (Optional)



- **SMART**

Intelligent Standby enables instant resumption of production and supports ultra-short-run production starting from a single sheet
Intelligent Operating System offers user-friendly and hassle-free operation, making it easy for one person to operate multiple machines effortlessly
Order Management System allows file loading without stopping the machine, providing flexibility for adding, inserting, deleting, or reprinting orders

- **STANDARD**

Robust Dual-Wall Construction ensures feeding stability and color consistency for long runs and reprints
Ultra-short Rainbow Bridge Design + Servo Unwinding & Rewinding System ultimate registration accuracy, stable tension, and one-click lifting for easy roll change
Super Cooling Systems (for printheads, UV chill rollers) support sensitive materials such as thermal paper, heat shrink film, etc.

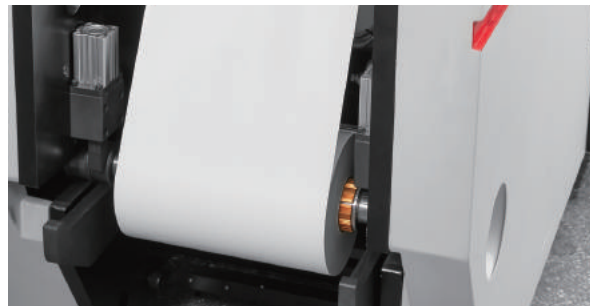
LabStar 330S

Industrial Label Digital Inkjet Press



• **SAVE**

- Super Save System enables intelligent retrace and continuous printing from the last job to the next job, reducing waste during job changeover
- Compact Design with integrated and modular mechanical structure, requiring less floor space
- Re-Registration Function reduces material and time waste during registration adjustments
- Precise Ink Calculation Software minimizes ink consumption, allowing for precise cost control and reducing ink waste



• **SAFE**

- Anti-Power-Outage Negative Pressure Protection System effectively achieves no ink leakage in case of sudden power outage
- Warpage Detection and Automatic Avoidance protect the printhead, reduce downtime, and prevent material waste
- Tension Detection continuously monitors and adjusts the web tension to prevent substrate deformation and ensure high-precision registration
- Paper Break Detection immediately stops the press if a material break is detected, preventing waste and equipment damage
- Print Height Setting allows for precise, manual adjustment of the printhead carriage to accommodate various material thicknesses, preventing substrate collisions



• **STABLE**

- Precise Printhead Splicing Technology prevents issues such as pattern breaks and color irregularities caused by printhead misalignment
- Possesses the ability to independently research and develop core printhead drive systems and overall control systems
- Proficiently masters the application of industrial-grade Single Pass technology and piezoelectric inkjet technology
- Collaborates with international inkjet giants and inherits over ten years of stable inkjet production experience
- Masters special printhead splicing, software and hardware processing, etc. and provides comprehensive technical support

• **SIMPLE**

- Supports "Unlimited Web Length and Seamless Pattern Printing" with easy operation and no frequent manual adjustment of machine parameters
- Fully Automated Printhead Maintenance achieves easy maintenance with low cost

Ink & Applications

High-Performance UV Ink

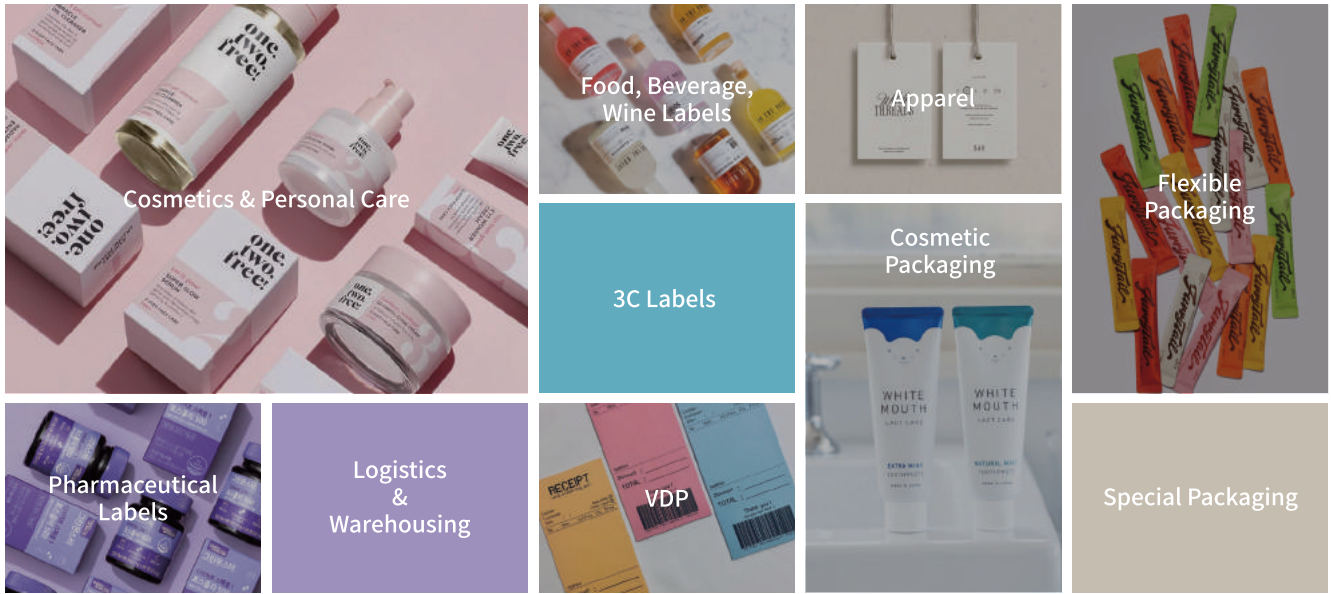
We keep developing high-performance UV ink for better weather resistance, faster drying, and vivid colors. They offer great print quality with less ink and are eco-friendly.

- Fast-Drying
- Strong Material Adaptability
- Enhanced Weather Resistance
- High Color Saturation
- High Abrasion Resistance
- High Sunlight Resistance

Printing Substrates

Papers	Films	Specials
Coated, Matte, Thermal, Synthetic, Specialty, etc.	PE, PP, PVC, PET, and other synthetic films	Unlimited length (long images achievable via tiling) Metal aluminum foil, ABL/PBL, folding cartons, etc.

Wide-ranging Applications



Authorized Certifications

HanGlobal’s LabStar digital inkjet printers have earned multiple international authoritative certifications. This not only puts the company on par with global advanced standards in color management, process norms and printing QC, but also, via authoritative endorsement, highlights its strong, well-honed and burgeoning capabilities in digital inkjet printing.



Achieved Fogra PSD Certification Setting a New Standard in Digital Printing

- Color Accuracy:** Achieving consistent and precise color reproduction.
- Process Control:** Ensuring repeatable and stable printing production.
- Workflow Compliance:** Using a PDF/-X workflow to guarantee consistent quality and color fidelity.



Achieved Idealliance G7® Colorspace Certification

Data-driven and standardized production processes.
Maintaining long-term, stable, and repeatable printing quality.
This accomplishment ensures our clients receive prints with superior color accuracy and consistency.