

Technical Parameters

Model	LabStar 330mini	
Production Mode		
Print Method	Single-pass digital inkjet printing	
Print Speed	50 m/min(600*600 DPI)	25 m/min (1200*600 DPI)
Resolution	600 DPI	
Print Width	Standard: 216 mm	Max. : 322 mm (Optional)
Ink Configuration		
Ink Type	UV Ink	
Color Config	Standard mode: CMYK; Optional: single white or dual white	
Print Substrates		
Applicable Materials	PET/PVC/PP/PE/BOPP films, synthetic, coated papers, aluminum foils,etc.	
Material Width	75-350 mm	
Max. Roll Dia.	600 mm	
Roll Core Dia.	3"(air shaft)	
Material Thickness	0.02-0.5 mm	
Feeding Method	Roll-to-roll	
Equipment Specifications		
Dimensions	3400*1650*1900 mm(L * W * H)	
Net Weight	3000 Kg	
Power	30 kW / AC 380V	
Air Requirement	Industrial air source, 0.6-0.8 MPa, >10 L/min, 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	LED + UV	
Data Transmission	High-speed PCIE	
System Components	Auto web guiding, static elimination & dust removal, water-cooling system	
Additional Features	Tension detection, corona treatment, dust removal, static elimination, in-line web guiding, print height setting, automatic ink consumption detection, modular drying, web break detection, anti-power-outage negative pressure protection, 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

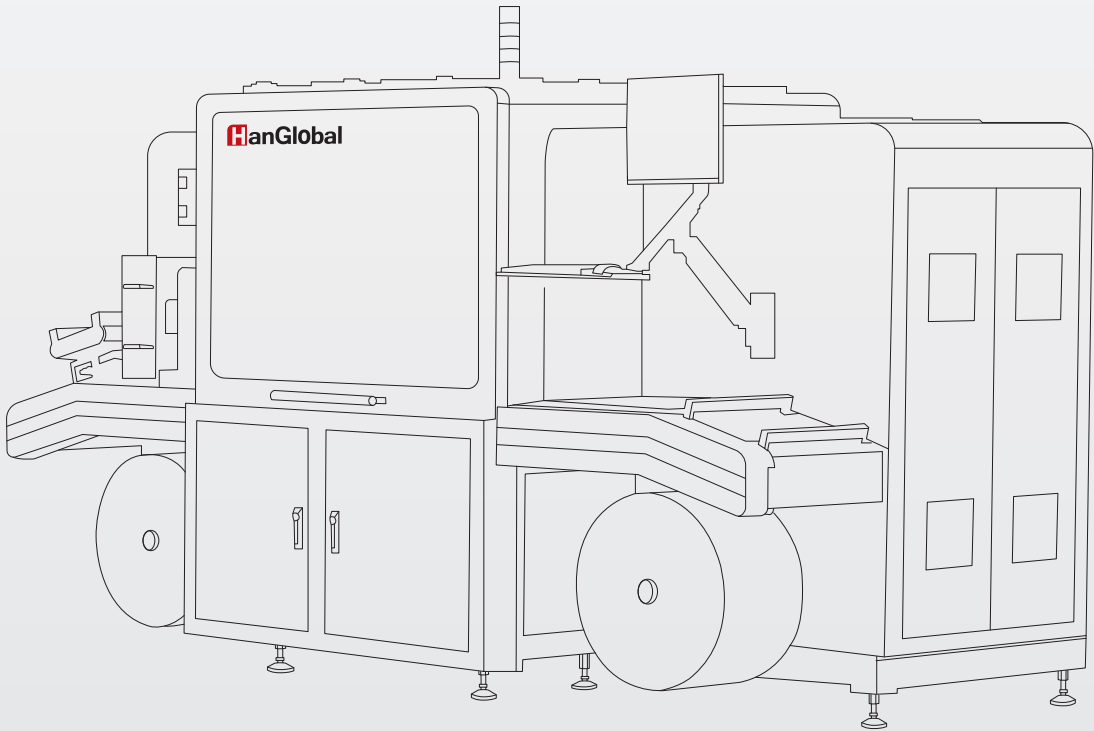


Remote service maintenance system and local services

LabStar 330mini

Industrial Digital Inkjet Label Press

High Performance Model Digital Inkjet Printing System



Max. Print Speed: 50 m/min

Max. Print Width: 322 mm

Printhead Resolution: 600 DPI

Color Solution: CMYK (Optional Single White or Double White)

Core Technologies: Single Pass, Piezo Drop-on-Demand, Multi-level Grayscale Printing, etc.

Endless Customization with Instant Response

Effortlessly Handle the Mass Personalization Market

HanGlobal All-New LabStar 330mini

A highly integrated digital inkjet system delivering precise re-registration, advanced VDP capabilities, and exceptional cost efficiency. Equipped with 600dpi industrial piezoelectric printheads, its all-in-one design eliminates external cabinets, chillers, etc. This reduces footprint significantly while streamlining logistics, installation, commissioning, and overall costs.

Exceptional core performance

Max. speed 50 m/min, CMYK color solution (with optional single or double white), and flexible, high quality printing on diverse substrates.

- **CMYK+W:**
Ideal for most personal & home care, food, and retail labels requiring rich colors
- **CMYK+WW:**
Optimized for high end transparent films (PET/PVC/PP/PE/BOPP) and dark substrates



Master Core Digital Inkjet Technologies: Flexible & Rapid-Response Production

- **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.

- **Self-Developed Printhead-Drive Technology**

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 Piezoelectric Inkjet Technology**

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

Core Printing Breakthroughs: Capturing High-Value Label Orders

- **Second-Pass Printing Capability**

Precisely overlay secondary graphics and text (such as anti-counterfeiting marks, traceability codes, and spot color highlights) onto pre-printed labels.

Hybrid Process Overlay:

Print variable full-color images onto pre-printed labels to enable efficient hybrid production.

Re-print Capability:

Precisely reprint missed content on already printed labels to avoid scrapping entire batches of material.

Personalized Layered Customization:

Realize a flexible production model of "Batch Pre-printing + Personalized Second Pass," balancing mass production with individualization.

Reduced Material Costs:

Targeted printing eliminates the need to restart from scratch. Directly utilizing semi-finished products significantly improves material utilization.



- **VDP Capability**

Supports printing of variable data such as full-color QR codes, barcodes, serial numbers, production dates, batch numbers, and personalized graphics.

Anti-Counterfeiting & Traceability

Delivers a full-process digital solution featuring "One Item One Code," precise alignment, special anti-counterfeiting, and ultra-fast coding.

High Production Efficiency

Supports seamless job switching and non-stop file loading, synchronized with a high speed of 50 m/min (Single Pass efficiency).

Mass Personalization

Enables batch printing of personalized graphics, regional versions, and even randomly generated intricate backgrounds.

Zero Inventory Pressure

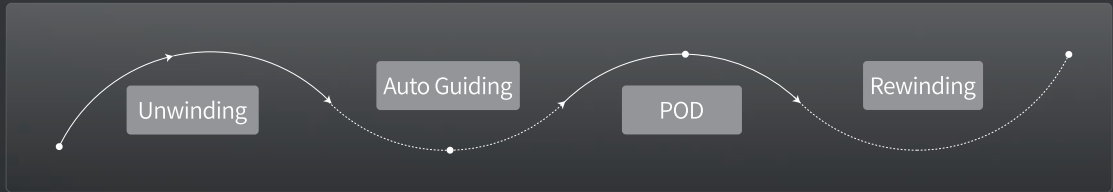
No minimum order quantity (MOQ) restrictions. Achieves plate-free, high-speed, and precise full-color variable data production.

All-in-One Integrated Design

Ultimate Integration & Cost Efficiency

High Integration & Reduced Footprint

- Integrated Full-Process Roll-to-Roll Production



- Space-Saving Footprint

No external electrical cabinets or chiller units; shipped as a single module for easy logistics.

- Single-Body Construction

Shorter web path ensures precise tension control. Simplifies installation and commissioning.

- Easy Installation & Layout Flexibility

Ideal for small-to-medium factories and high-density lines. Maximizes floor space productivity.



High-Performance UV Ink

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

- Fast-drying
- Zero VOC emission
- High color saturation
- Enhanced weather resistance
- Strong material adaptability



Ink Supply Chain System

Backed by HanGlory Group, HanGlobal has a complete, independently controlled ink supply chain

- Competitive pricing
- Product differentiation
- Strong market adaptability
- Rapid response to customer needs
- Sustainable technological innovation

Proven Expertise in Diverse Label Orders

Wide-ranging Applications



Printing Substrates

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

Authorized Certifications

HanGlobal’s LabStar digital inkjet printers have earned multiple international authoritative certifications. This not only places the company on par with global best practices in color management, process standards, and print quality control, but also—through prestigious endorsements—highlights its robust, refined, and rapidly advancing 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.

Additional Features



- **Tension Detection**
Stable web tension for all types of material to rewind in perfect tension.
- **Web Break Detection**
Monitoring web path in the whole printing process, instant stop to prevent down time during printing processes.
- **In-Line Web Guiding**
Continuously monitors material position and alignment, and automatically corrects deviations in real time.
- **Anti-Power-Outage Negative Pressure 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**
Cures ink fast to avoid ink dispersion on high speed printing.
- **Print Height Setting**
Adjusts printhead parameters according to material thickness to avoid crashing and scratching on printhead.
- **Automatic Ink-Consumption Detection**
Precise ink monitoring and calculation optimize ink use and control costs.
- **Corona Treatment, Dust Removal, Static Elimination**
Corona treatment improves ink adhesion, dust removal cleans the surface, and static elimination for plastic materials reduces issues during printing processes.

