



**Shenzhen HanGlobal Digital Solutions Co., Ltd. Member of Hanglory Group**

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# Focus on digital Passion for digital

## LabStar 330

Industrial-grade Digital Inkjet Printing System

Create value for customers

Be a world-leading manufacturer & solution provider

of smart digital printing equipment



HANGLORY GROUP

## HanGlory Group

### Focus on Digital Printing Industry

*HanGlobal will continue to create value for customers by providing products and high-quality services that better meet market needs. Let's join hands to meet the digital era and create a better future!*

*With digital inkjet technology as its core, HanGlory Group is committed to becoming the world's leading digital equipment manufacturer and application solution provider in the field of digital printing.*

*HanGlory Group has been focusing on the research and development of cutting-edge digital inkjet printing technology for the last 10 years, and its products are applied in fields like advertising, home decoration, building materials, crafts, art design, plastics, ceramics, electronics, textiles, clothing, corrugated packaging, etc..*

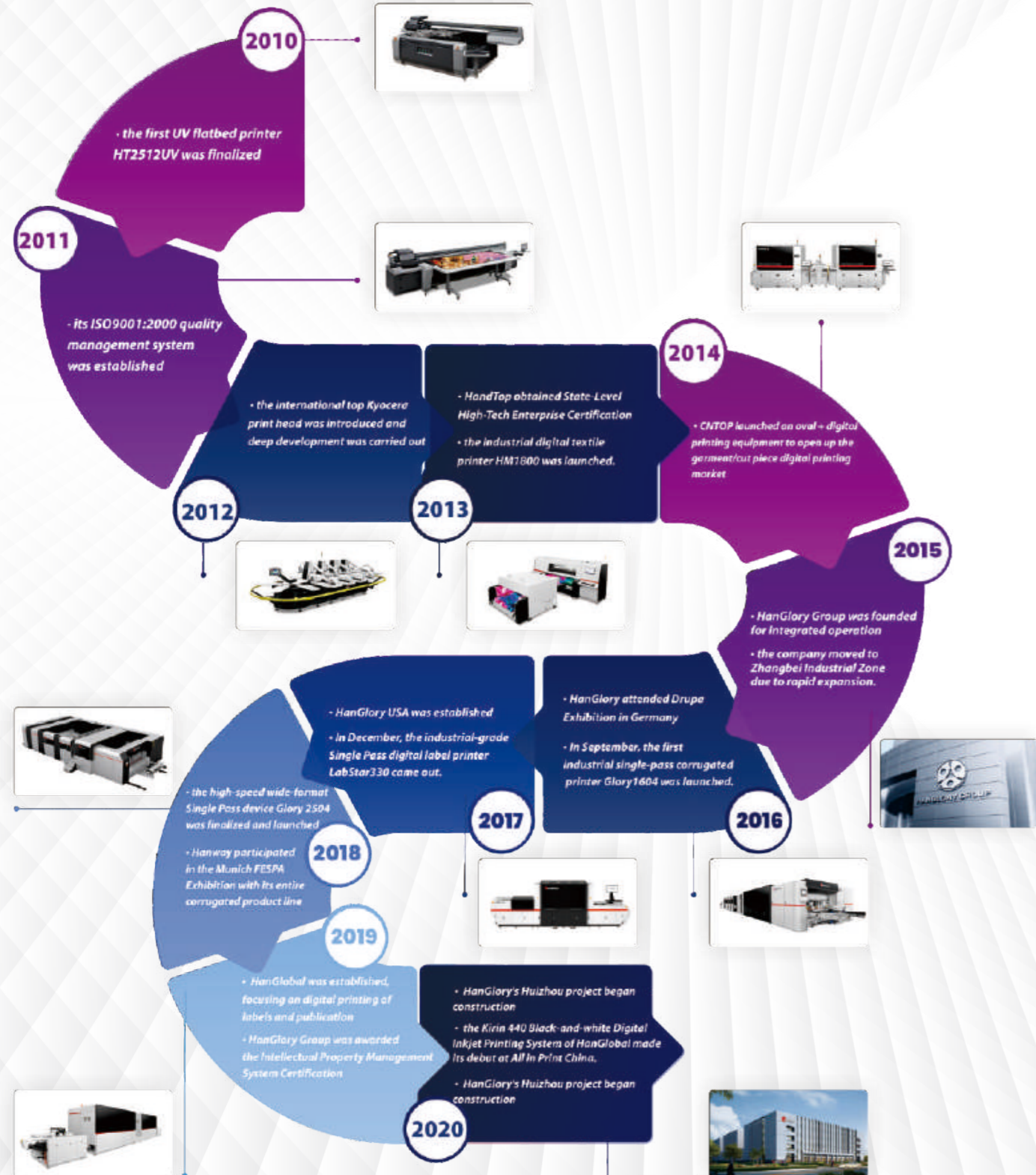
*HANGLOBAL is a wholly-owned subsidiary of Shenzhen HanGlory Group, focusing on providing leading inkjet digital solutions in the field of roll-to-roll printing, such as labels, books, and publishing.*

*By combining inkjet digital technology and intelligent manufacturing, we are concentrating on providing our best assistance and support to help customers in the fields of labels and books to reshape their products' business value and plan their development strategies in the digital market.*

*Supported by the advanced inkjet technology and the marketing and service capability of HanGlory, HANGLOBAL gathers along with a team of experienced and excellent experts all over the world to form our R&D team and first launches the LabStar 330 in 2017. With a number of testing sites and positive feedback from our customers, our brand new LabStar 330 have been evolved to our new age of the digital world.*

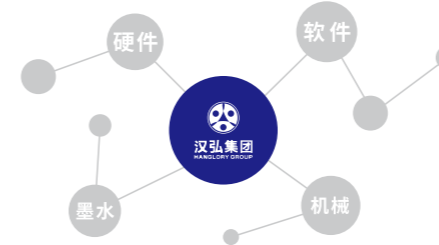
*HANGLOBAL will continue to create value for customers by providing more products and better services to meet market demands. Let us join together to welcome the digital era and create a better future.*

## Development of Hanglory



### Core Technology

HanGlory Group has always adhered to independent intellectual property rights and firmly grasped the core technologies of software, hardware, machinery, ink and solutions. Our products and technologies follow the market demand and development, and always think a step ahead of our partners for future upgrade needs of customers.



### Strength in R&D

Currently, HanGlory Group has about 900 employees, of which more than 200 colleagues belong to the R&D team of an independent R&D center, specializing in core digital printing technologies, and in-depth research on the applications. The company's R&D and technical colleagues account for more than 30% of the total number of employees, and the annual R&D investment accounts for more than 15% of operating income.



An R&D team of more than 200 people



R&D staff account for 30% of the total number of employees



Annual R&D investment accounts for more than 15% of operating income



### High-tech Enterprise

HanGlory Group attaches great importance to the innovation and application of digital printing technology, and currently owns 7 national high-tech enterprises.



### Patent

HanGlory Group has an elite R&D team that is deeply involved in the digital printing industry. The company and its holding subsidiaries legally own 206 patents, including 22 invention patents, 167 utility model patents, 17 design patents, 25 registered trademarks and 60 software copyrights.

Most subsidiaries under HanGlory Group have acquired the quality management system certification and the intellectual property management system certification. The major projects of the group have received key attention from the country, provinces and cities, and have successively obtained the certification of Guangdong High-growth Enterprise, Shenzhen Engineering Technology Research Center, and participated in the formulation of Single Pass digital printing standards.



# LabStar 330

Industrial Digital  
Single Pass Label Press



## High Configuration

Kyocera print head technology is adopted to ensure printing quality.

## High Efficiency

50m/min printing speed, suitable for industrialized mass customization production needs.

## High Quality

600 x 1200 dpi high resolution output (optional to 1200 x 1200 dpi), to achieve high-quality label printing on demand.

## User Friendly

Innovative designs for easy handling.

## High ROI

Digital printing technology brings customers higher return on investment.

## Print Functions

Highest Resolution: 600 x 1200 dpi / 1200 x 1200 dpi  
**Max. Printing width:** 322 mm (optional to 324 mm)

## Ink

**Ink Type:** UV Ink.  
**Color Configuration:** CMYK; optional white.

## Substrate

**Type:** PET/PVC/PP/PE/BOPP and other mono film materials, synthetic paper, aluminum foil and other special materials.

**Material Width:** 75-350mm

**Roll Diameter:** 800 mm

**Unwinder/Rewinder core:** 3" (air shaft)

**Thickness:** 0.02-0.5 mm

**Feeding:** roll to roll

**Roll-changing Method:** automatic lifting by dual-spindle

## Additional Functions

Web guide, Tension control, Corona treatment, Web cleaner, Electrostatic removal, Modular curing Modules, Web break sensor, Automatic diameter detection, Automatic thickness detection, Automatic ink consumption detection, Fully servo control system

## Print Functions

Dimensions: 6290 x 1650 x 2107 mm

Net Weight: 3500 kg

Gross Weight: 4000kg

Power: 40 KW/AC380V

Air Requirements: industrial air source 0.6-0.8Mpa, compressed

## Environment

A separate, clean and low dust room with low radiation and good ventilation

Temperature: 18-25°C

Humidity: 40%-65% (RH)

## Input Format

TIFF, PDF etc.

## UV Curing

LED+UV curing system (modular curing design)

## Data Transmission

High-speed PCIE transmission

## Optional Module

White ink color group, flexo printing module, cold stamping/laminating module, intermittent die-cutting module, continuous circular knife die-cutting module, cleaning module, separation module, striping module, etc.

## Automatic Printhead Cleaning System

While printing, the performance of the printhead is essential for print quality. Automatic Printhead Cleaning System is introduced to control the consistency of printing, eliminate nozzle blockage from the printhead, and provide daily maintenance to extend the life span of the printhead.

LabStar 330's automatic Printhead Cleaning System simplifies the nozzle cleaning and maintenance process. With just one click of the mouse, all print heads can be cleaned in 2 minutes, and then the wiper automatically cleans the remaining ink and cleaning fluid on the print head panel, completing the entire print head cleaning process.

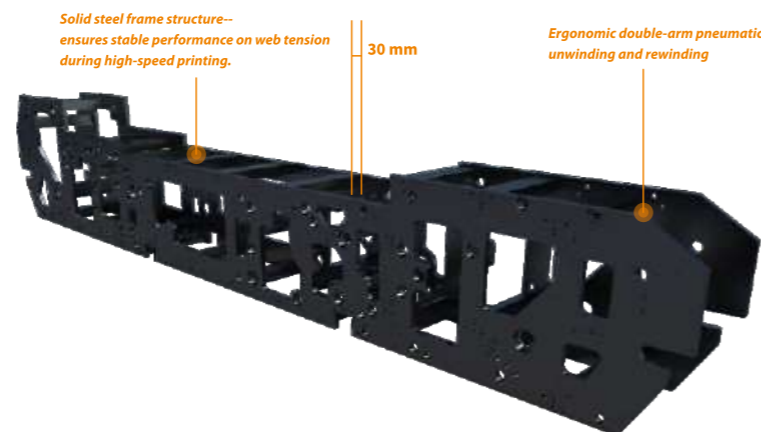
## Unique Dual-wall Steel Frame

Ergonomic double-arm pneumatic unwinding and rewinding.

Easy roll changing and stable material feeding.

Solid steel frame structure ensures stable performance on web tension during high-speed printing.

Stable printing on the material of thickness from 0.02-0.5mm.



## Innovative and User-Friendly Design

It is suitable for a variety of print media, providing a variety of options for label printing. It ensures the stable and efficient production of media with thickness of 0.02-0.5 mm. With the high-quality color sensor system and accurate control on tension and printing, re-registration printing can be achieved for front and back. Servo technology enhances the full automation of the machine includes pneumatic unwinding/rewinding, automatic control of roll diameter, material thickness, ink consumption and data of print etc. Dancing rollers on the machine compensates the stretching of material for stable tension and better printing quality.

### LabStar 330 Industrial Digital Single Pass Label Printing System

HanGlobal  
Industrial  
Label Printing



Unwinding Module

Flexo Cold Foil Module

Die Cutting - Lamination - Slitting - Matrix Removal Module

Winding Module

High strength structure, high precision processing and modular module design

Width of material from 75 to 350 mm

Suitable for a variety of print media, providing a variety of options for label printing

Dancing rollers on the machine compensates the stretching of the material

Color management software is easy to learn

Servo technology enhances the full automation of the machine



## High-speed Inkjet Printing for Industrialized Mass Customization

- High printing speed, up to 50 m/min (164 ft/min)
- No plate making necessary, print any time in any volume
- 2 minutes to change from one substrate to another
- No downtime at all from one job to another



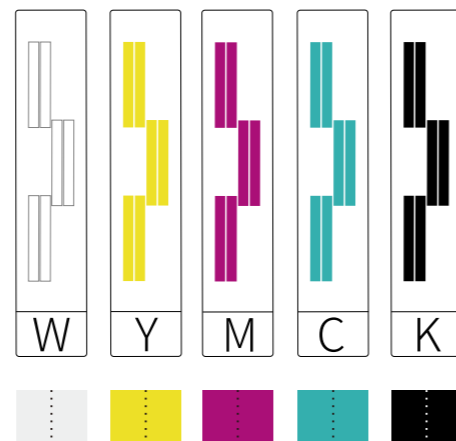
## High-speed Inkjet Printing for Industrialized Mass Customization

- No plate making procedures
- CMYK and White as options for customers to choose from
- Great choices of substrates without any changes on the machine
- Print mass customized labels on demand to save inventory and TCO

## Unique Binary Printhead Design Ensures High Quality Print

Label quality is the most important part of the product. It provides attraction of the products, and accelerate product promotion and circulation. LabStar 330 provides the best tools for customers with the best printing quality with no MOQ.

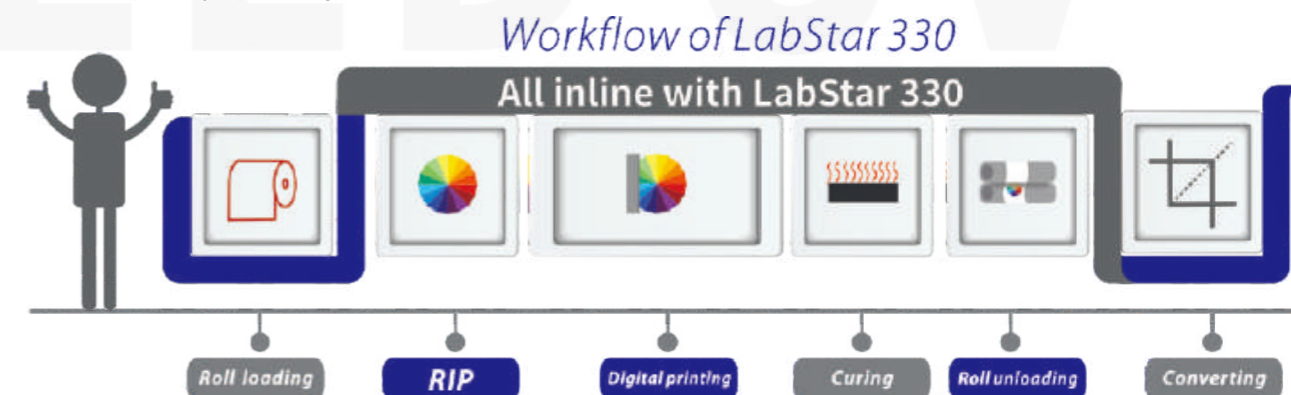
With the introduction of the Binary printhead alignment, we do not just increase the resolution of the print to 1200dpi, but our technology also enhances the life cycle of the printhead itself to give a longer and more stable performance of the print. In addition, LabStar 330 can achieve some special 3D tactile effects and has a wider range of applications.



## Improve Work Efficiency and Simplify Workflow

Efficient handling of highly specialized tasks and simplified process steps is the key to improve prepress and printing processes.

LabStar 330 workflow is automatic, which can simplify the workflow and increase the speed of job processing.



Automatic workflow needs only one operator



## High Resolution Meets the Needs of High Quality Label Printing

Multi-level ink drop output, up to 1200 x 1200 dpi resolution, can achieve the minimum 3pt fine printing of numbers or English font size.

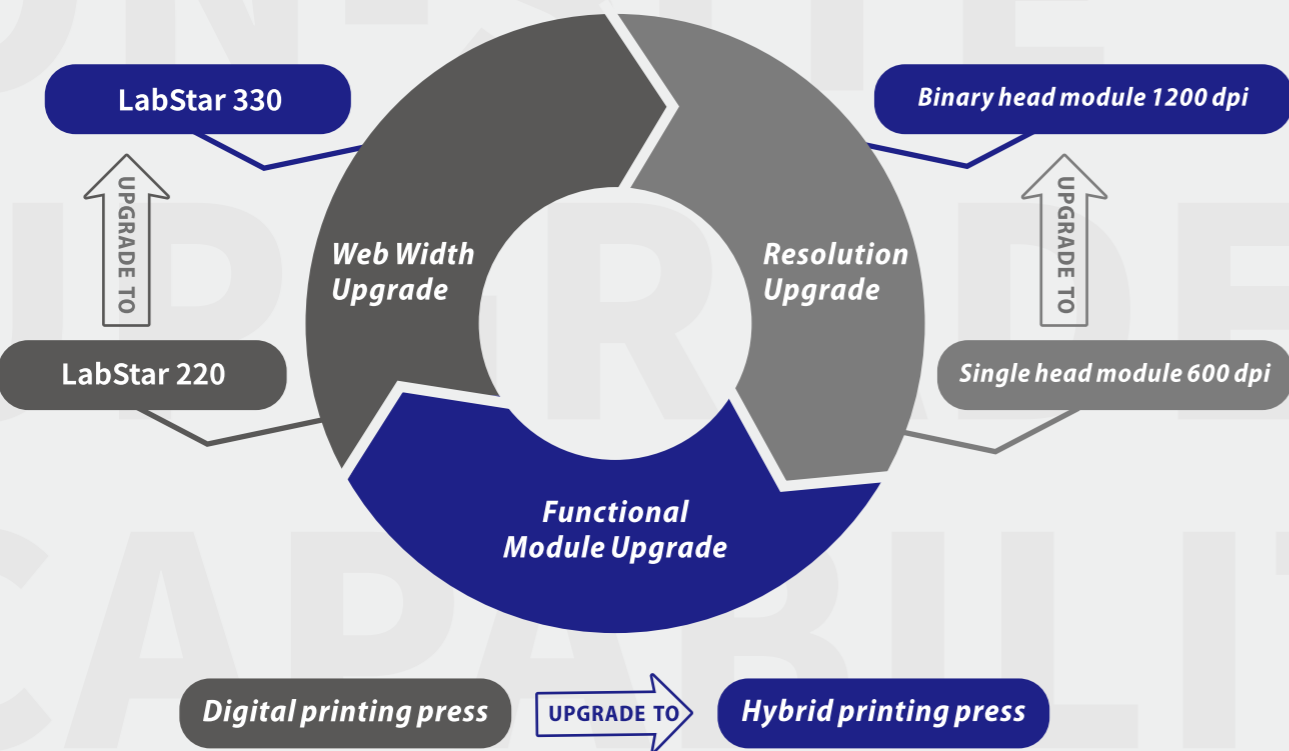
In standard mode, 4-color printing covers most of the Pantone® library.

Provide ink solutions for white ink, special spot colors, etc.

# On-site Upgrade Capability

HANGLOBAL adheres to HanGlory Group's service philosophy "create value for customers", and engraves it in our products and after-sales service system.

In addition to the two print widths of 220 mm and 330 mm, LabStar 330 also provides multi-color options for print head configuration. You can enjoy free on-site equipment upgrade and professional training by ordering upgrade accessories through official channels. HANGLOBAL, help you profit.

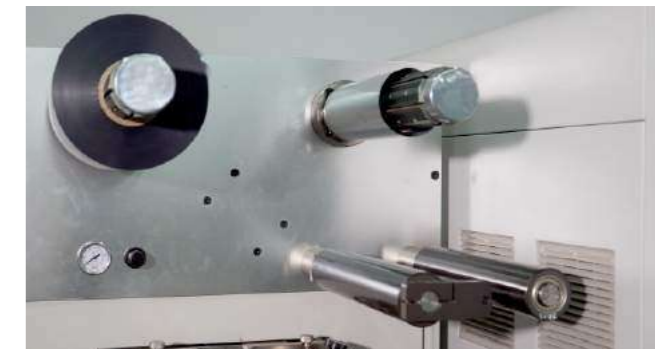


## Multifunctional Combined Printing:



**Flexo Printing Module**

The flexo printing unit can be used for cold stamping to realize the functions of pre-coating, polishing, base color, spot color printing, etc. Each set of flexo printing unit is driven by double servo system to ensure ±0.1mm accurate alignment and ensure the stability of ink transmission. It is easier to replace ink roller and ink cartridge.



**Cold Foil Unit**

Contains four functional blocks: film release, film collection, pressing and peeling.

Combined with flexo printing module, it can realize the hot stamping and silver hot stamping processes on the printed products to improve the visual effect.



**Intermittent/Full Rotary Die Cutting Module**

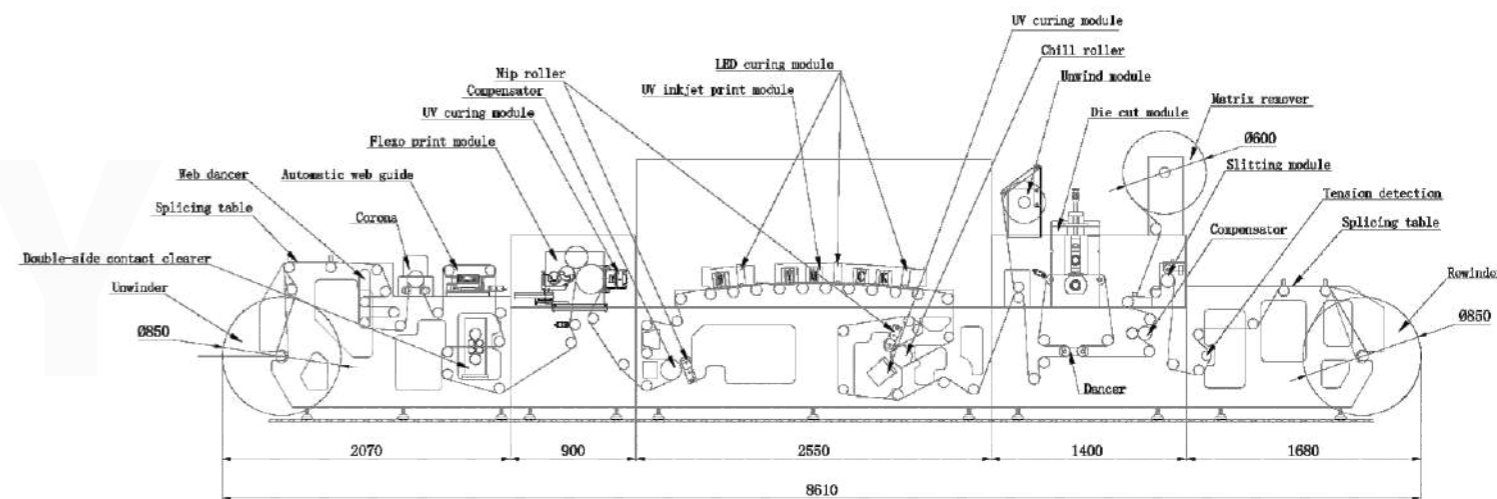
It can be completed from printing to die cutting at one time, improving productivity and reducing material loss. Automatic tracking and registration function ensures accurate registration with the digital printing part. Maximum die-cutting speed: 120 m/min high-speed die-cutting, suitable for large-volume production.



**Slitting Module**

Equipped with pressure cutting and dicing, which can strip and trim the materials such as stickers and films.

Equipped with a strip blower to realize fast and efficient stripping operation.





THE MARKET FULLY MEET THE DIVERSE NEEDS OF

## Fully meet the diverse needs of the market

LabStar330 has a wide range of flexible and extensive applications, and more than 90% of the materials can be printed directly without any processing. It is very suitable for the needs of industrialized flexible production, expands the label printing market and capabilities of customers, and increases competitive advantages.

Multiple colors to choose from for printing



### Stable Color Output

The print head device introduces the passive rod into the active rod, which can effectively prevent the deformation of ink droplets.

Multi-level ink droplet technology optimizes the printing resolution of the label, thereby improving the printing quality.



### Image Quality

The close stitching between the print heads accurate to the micron ensures seamless printing.

The white ink option can optimize the image quality of transparent labels.



### Detail performance

Innovative binary printhead design increases the printing resolution to 1200dpi, and the details in complex patterns can be reproduced truly.



### Variable printing

Every piece of the label is unique and different from each other.



Individual Package Design



Support variable barcode and QR code printing





## Support high-speed printing of variable barcode, QR code and diverse types of variable data

“Full-color random QR code” realizes anti-counterfeiting traceability and opens up the online and offline two-way connection between brands and consumers, which has a broad market prospect in the digital era.

Variable barcode and QR code printing can realize information storage, process control, information encryption, verification and reading. Anti-counterfeiting and traceability functions coexist to ensure the authenticity of the information, make products traceable, and improve user experience and brand reputation.



**Multiple color options**  
(QR code images of different colors are presented)

**Barcode clear identification**  
(display of barcode samples)

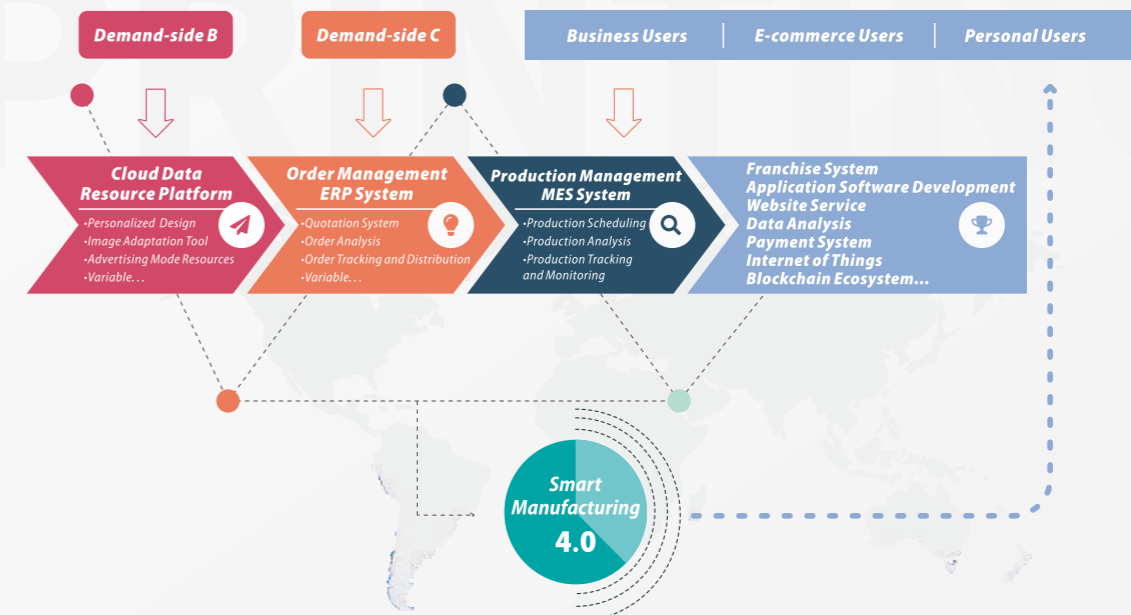
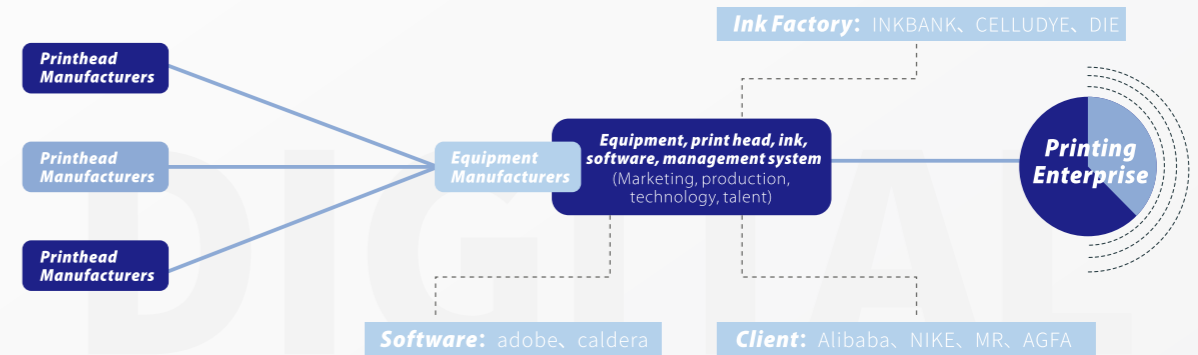
## SOLUTIONS

### SOLUTIONS

HanGlory Group is committed to R & D, manufacturing, production and sales of high-end digital printing products for UV printing, ready-to-wear printing, textile printing, corrugated packaging, PCB printing, labels, books and publication. It can provide an end-to-end high-quality overall solution including printing equipment, ink, consumables, software, and after-sales support, and constructs a production system based on Single Pass printing technology, thus building a unique, dynamic and innovative digital printing industry ecology.

HanGlobal not only focuses on technological development, but also integrates driver, hardware, software, machinery, ink and other elements with digital printing through a full set of solutions, so as to cover a wider range of application environments and more diverse materials to support the client application end.

#### Create the World's Top Digital Inkjet Industry Ecosystem



# Main Application Areas

<b>Packaging</b>	daily supplies, hoses, etc.
<b>Beverages</b>	wine labels, water labels, etc.
<b>Commodity Categories</b>	price labels, shelf labels, barcode, thermal paper, etc.
<b>Chemicals</b>	labeling of various special solvent products, in-mold labels, etc.
<b>Food and Medicine</b>	food, beverage, drug label, etc.
<b>Electronic Appliances</b>	various electrical labels, battery labels, membrane switches, energy efficiency labels, etc.
<b>Jewelry and Apparel</b>	jewelry tag, clothing tag, washing tag, RFID, etc.
<b>Transport Tickets</b>	boarding passes, luggage tags, train tickets, long-distance bus tickets, etc.
<b>Variable Anti-counterfeiting</b>	Color QR code, barcode, etc
<b>Others</b>	personalized products, limited products, small cartons, paper, and plastic boxes, etc



**Beverages**  
used for labels of liquor, beer, rice wine, etc.

**Packaging**  
daily supplies, hoses, etc.

**Commodity Categories**  
price labels, shelf labels, barcode, thermal paper, etc.

**Electronic Appliances**  
various electrical labels, battery labels, membrane switches, energy efficiency labels, etc.

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