Technical Parameters

Model	Kirin440C	Kirin560C	Kirin660C
Technology	Single Pass, Piezoelectric Inkjet		
Printing Method	CMYK Double-Side Printing		
Ink Type	Water-based Pigment		
Max. Resolution	1200 * 600 DPI		
Max. Printing Speed	100 m/min		
Media Types	Inkjet Treated, Wide Range of Standard Coated and Uncoated Offset Media, Other Papers Subject to Testing from 45-165 gsm		
Media Thickness	45-165 gsm		
Max. Media Width	440 mm	560 mm	660 mm
Max. Printing Width	432 mm	540 mm	648 mm
Max. Media Diameter	1270 mm		
Transportation Method	Roll to Roll, Roll to Sheet (Optional)		

Equipment Dimensions

Roll to Roll	Power	Printer: 35 kW; Drying: 50 kW		
	Dimension	10250 * 4200 * 2300 mm (L * W * H)		
Roll to Sheet	Power	Printer: 42 kW; Drying: 50 kW		
	Dimension	13880 * 4200 * 2300 mm (L * W * H)		

Working Environment

Temperature	18-24 °C
Constant Humidity	40-60% (Non-condensing) Independent, Clean, Low Dust, Low Light Exposure, Well-ventilated

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Kirin440C/560C/660C

CMYK COLOR DIGITAL INKJET SOLUTIONS
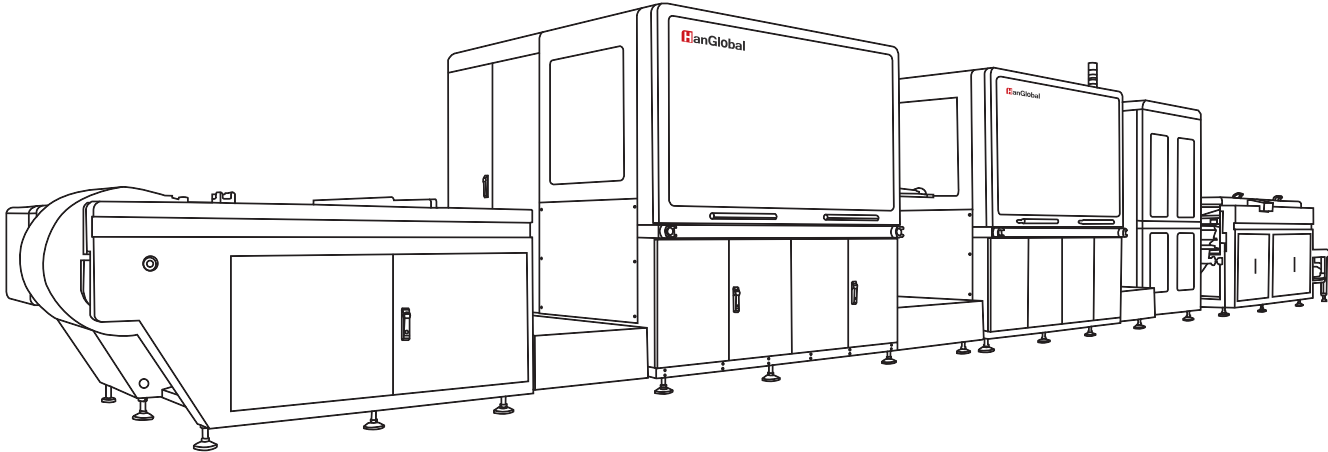
CMYK COLOR DIGITAL INKJET PRINTING SYSTEM

Printing quality meets international standards on publication, government documents, industrial user manuals and other POD color printing requirements.

Optional Width: **440** mm / **560** mm / **660** mm   Max. Resolution: **1200 * 600** DPI   Max. Printing Speed: **100** m/min

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Roll-to-Roll Solution

Roll-to-Sheet Solution

High Productivity, Low Consumption, Creating Flexible and Rapid Response Capability

- Using industrial-grade piezoelectric ceramic print head for high productivity and resolution , with seamless single-sheet feeding to meet diverse customer size needs.
- Max. Printing Speed: **100** m/min
- Max. Resolution: **1200 * 600** DPI
- Optional Width: **440** mm / **560** mm / **660** mm (Max. Media Width) ; **432** mm / **540** mm / **648** mm (Max. Printing Width)
- Self-developed quick-drying ink enables grayscale printing as small as 5 pl, resulting in finer images and sharper text.
- No need for plate-making, printing starting from a single copy, shorter delivery times, reduced inventory pressure, and rapid response to market demands.

Resolution Configuration for Ensuring Stable Printing Quality

- Integrated framework body with high processing resolution and structural stability.
- Integrated inkjet control system that monitors various components of the inkjet printing system in real time.
- Utilizes active unwinding with a multi-node tension control system, ensuring high precision and minimal tension fluctuations.
- Equipped with international top brands' alignment devices, motors, electromagnetic valves, and electronic components to ensure long-term equipment stability in production.
- Can be configured with a printhead water cooling system to ensure stable printhead operation.

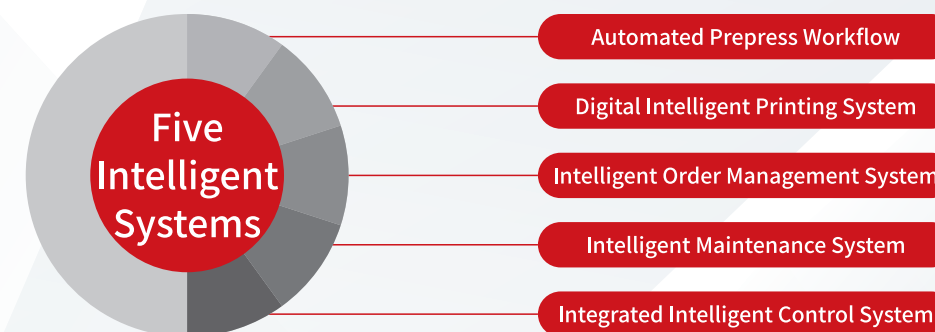## Core Independent R&D Capabilities

- Holds independent intellectual property for digital inkjet technology and develops core software, mechanical platforms, inkjet systems, and more.
- Collaborates with print head manufacturers, accumulating over a decade of experience in high-speed industrial print head research and application, mastering core print head driving technology for exceptional inkjet performance.
- Self-developed water based inks , creating an inkjet industry ecosystem. Quick-drying ink meets green environmental standards, fast dries, reduces energy consumption in drying systems, and offers stability for various paper types, with controlled costs.
- HanGlobal Digital Printing and Cutting System (Optional)

Efficient and advanced cutting technology enables efficient roll-to-sheet cutting, staggered bookbinding, and stable cutting for various specifications and sizes, with a maximum cutting speed of **100** m/min.

Five Intelligent Systems

- Automated Prepress Workflow
- Digital Intelligent Printing System
- Intelligent Order Management System
- Intelligent Maintenance System
- Integrated Intelligent Control System

Comprehensive Solution

- HanGlobal provides end-to-end comprehensive solutions, including pre-press processing, printing, cutting, and ink supply.

Options: Roll-to-Roll Solution / Roll-to-Sheet Solution

Suitable for Various Printing

① Books and magazines printing
(e.g., POD books, short-run books, self-published books, professional books, library collections, etc.)

② Business forms and documents
(e.g., bidding documents, government documents, design institute materials, listed company annual reports, instruction manuals, etc.)

③ Educational materials and exam papers

④ Newspapers and journals
(e.g., short-run newspapers, business journals, etc.)