

**HanGlobal Kirin**  
Digital inkjet printing system

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Member of Hanglory Group



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Create value for customers  
Be a world-leading manufacturer and solution  
provider of smart printing equipment



# Conform to the Trend of the Times Provide New Possibil- ities to Publication and Express Printing

**1200** Max resolution  
600 \* 1200 DPI

**648** Max printing width  
648 mm

**100** Max printing speed  
100 m/min



**High Performance:** Attributed to grayscale printing and the maximum resolution of 600 \* 1200 dpi, the printing quality is superior and stable.

**High Production & Low Consumption:** The highest printing speed is 100 m/min and the maximum printing width is 648 mm. With self-developed rapid-drying ink, reductions in consumption and costs could be achieved.

**High User-friendly:** Flexible, reliable and safe configuration guarantees easy operation.

**Wide Range of Applications:** Support of a variety of paper types to offer a broader array of printing choices.

With the continuous improvement of digital printing technology, more and more advantages are being recognized. Plate making and minimum order are no longer required. The features of quick response and zero inventory make it possible for personalized and customized production, and more efficient industrial output. Digital printing is now in the lead for brighter future.

**Hanglory Group** masters the core digital inkjet printing technology and rapidly arrange multiple industry segments. Starting from the needs of customers, our group sets up sales and technical service support system in more than 60 countries and regions, and provides end-to-end high-quality printing solutions to different industrial printing companies, bringing considerable ROI to customers.

**HanGlobal** is a wholly owned subsidiary of Hanglory Group, with a focus on leading digital printing solutions for the fields of roll-to-roll printing such as label and publication. Since many top talents joined us from the traditional publication industry, HanGlobal has been working to apply the digital inkjet technology to publication printing, bringing new opportunities and new growth points for customers in traditional fields.





Equipped with leading international brands of correction devices, motors, solenoid valves, electronic components, etc. to ensure long-term stable production of the equipment.

### Comprehensive solutions

HanGlobal provides end-to-end comprehensive solutions for pre-processing, printing, cutting, ink and other processes.

## Fine configuration decides its excellent quality

### High quality

Equipped with industrial-grade piezoelectric ceramic nozzles and high-precision baseplate, HanGlobal Kirin achieves superb print quality with a high resolution of 600 \* 1200 dpi.

The self-developed fast-drying ink that is highly compatible with our machine, and the ink drops with a minimum of 5 picoliters are used for grayscale printing. This printer can print out photographs perfectly, which is highly appealing with clearly legible letters and numbers.

### High stability

Integrated frame body, high processing accuracy and stable structure. Integrated inkjet control system, real-time monitoring of each components of the inkjet printing system.

Equipped with advanced tension control system, high control accuracy, small tension fluctuation, and paper path design for front and back printing with reversing mechanism to ensure the stable state of the paper and the precise position of image output.

## Integrated design for high productivity and low consumption

### Speed and Width

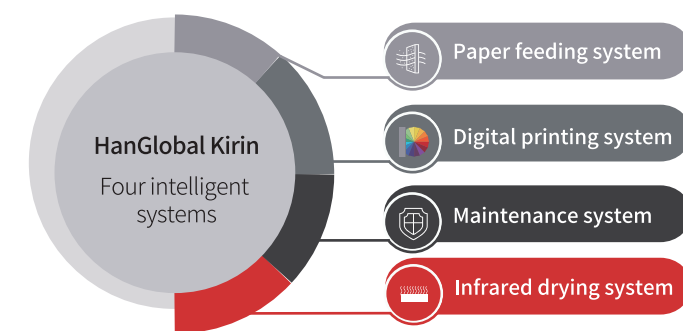
The paper feed and inkjet systems are highly integrated to achieve the maximum printing speed of 100 m per minute (equivalent to 2424 A4 pages per minute) and a width of 648mm, which greatly increases the scope of application and meets the needs of customers in different business areas. The intelligent circuit control system is adopted to greatly reduce energy consumption and reduce cost of equipment.

### Self-developed ink

Quick-drying ink is self-developed by Hanglory Group, and Fast drying speed, low power consumption. The great stability makes it a good fit for various types of papers at a low and controllable cost.

## Industrial Grade Piezoelectric Nozzle With integrated inkjet control system

Hanglory Group has more than ten years of experience in the use and development of industrial-grade printheads and integrated inkjet control systems, which can perfectly present the best results of inkjet printing. At the same time, Hanglory Group has formed long-term strategic partnerships with many mainstream printhead companies such as Kyocera, providing strong technical support for the continuous evolution of inkjet technology.



**Paper feeding platform:** Ensures smooth and efficient paper transportation;

**Digital printing system:** Guarantees the precision of text, graphics and images for optimum reproduction;

**Maintenance system:** Real time monitoring and maintenance of print heads to prevent blockage and damage;

**Infrared drying system:** Ensures fast drying and stable printing quality.

These interconnected systems are highly integrated and coordinated for extraordinary and intelligent solutions.

## Easy Operation and High User-friendly

### Multiple choices

Two types of 440 and 660 are available to meet different application needs of customers.

### Easy operation

All daily operations, such as input of paper specifications, order management or print settings, can be done on one control panel.

Up-and-down mobile printing module, equipped with automatic cleaning nozzle function, which reduces manual intervention and ink path failures, ensuring convenient and fast daily maintenance.

Independent ink supply station, one-key start lock shaft design, convenient and practical.

## Wide Range of Applications.

### Print on Demand

Publications

Product manuals

Study materials and notes

Project portfolios

## Intelligent manufacturing, expanding applications

The brand new HanGlobal Kirin digital inkjet printing system combines the many years of digital inkjet experience of Hanglory Group to create high-quality equipment and complete solutions to meet the printing needs of customers on a variety of papers.

## For large-scale publishing and printing customers

Compared with traditional printing, digital printing has the advantages of no platemaking, one-copy printing, ordering at any time and timely delivery, etc., which can solve problems such as publishers' inventory.

## For small-scale, personalized and customized users

Digital printing breaks the limitation of traditional printing with minimum order, better meets the needs of small-scale customized customers, and extends the boundaries of printing enterprise services.



# HanGlobal Kirin

## Digital inkjet printing system



### Kirin660

#### Print functions

Printing Method: Single-pass POD, piezoelectric inkjet  
Colour Capability: black  
Ink type: Water-based pigment ink  
Max. Resolution: 600 \* 1200 dpi  
Max. printing Speed: 100 mpm

#### Equipment Indicators

Size: 8150 \* 2050 \* 2060 mm  
Power Consumption: Main engine 35 KW, drying system 30 KW  
Power supply: AC380V/50Hz  
Dry method: Infrared dryer  
Air requirments: industrial air source 0.6 - 0.8 Mpa

#### Medium

Media Types: Uncoated and inkjet treated. Other papers may be suitable, subject to testing  
Max. media size: 660 mm  
Media thickness: 45 - 165 gsm  
Max. material diameter: 1200 mm  
Max. printing width: 648 mm

#### Working Environment

Temperature: 24 - 28 °C  
Constant Humidity: 40% - 60% (RH)  
A separate, clean and low dust room with low radiation and good ventilation



### Kirin440

#### Print functions

Printing Method: Single-pass POD, piezoelectric inkjet  
Colour Capability: black  
Ink type: Water-based pigment ink  
Max. Resolution: 600 \* 1200 dpi  
Max. printing Speed: 100 mpm

#### Equipment Indicators

Size: 9360 \* 1720 \* 2100 mm(Including finishing system)  
Power Consumption: Main engine 22 KW, drying system 15 KW  
Power supply: AC380V/50Hz  
Dry method: Infrared dryer  
Air requirments: industrial air source 0.6-0.8 Mpa

#### Medium

Media Types: Uncoated and inkjet treated. Other papers may be suitable, subject to testing  
Transmission Method: Roll to Sheet  
Max. media size: 440 mm  
Media thickness: 45 - 165 gsm  
Max. material diameter: 1200 mm  
Max. printing width: 432 mm

#### Working Environment

Temperature: 24 - 28 °C  
Constant Humidity: 40% - 60% (RH)  
A separate, clean and low dust room with low radiation and good ventilation