HanGlobal

HanGlobal POD 5208
High-speed Digital Inkjet
full-color printing system

Shenzhen HanGlobal Digital solutions Co.,Ltd.

Member of Hanglory Group

Add： NO.322Yuanhu Road, Longgang District,Shenzhen,China
Tel ： +86 0755-23007775
Fax ： +86 0755-23217841
Mail： info-hanglobal@hanglorygroup.com
Web： www.hanglobalpress.cn

HANGLORY GROUP | HanGlobal

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

HanGlobal POD 5208

Create new value for full-color publication printing

1200 Max resolution
1200 x 1200 dpi

100 Max printing speed
100 mpm

Superior quality: The physical resolution is 1200 x 1200 dpi.

High productivity and Low Consumption: The maximum printing speed is 100 m/min, and the maximum printing width is 516 mm; energy-saving and environmental-friendly .

High usability: The printing process is wholly controlled by intelligent software. Simple and convenient operations.

Wide range of applications: Suitable for a variety of medium. More choices bring more opportunities.

Hanglory Group focuses on the development and application of digital inkjet printing technology. As one of its subsidiaries, HanGlobal is committed to promoting the application of digital inkjet technology in fields of labels, books and magazines. In 2018 the high-speed inkjet full-color printer POD5208 has been successfully introduced to the market. It means a new business area, also a new development and growth for Hanglory Group.

POD 5208 is a new printing equipment independently developed, designed and manufactured by HanGlobal. Attributed to Hanglory Group's valuable experience and technology on digital inkjet printing over the years, POD 5208 has demonstrated its superior strength in terms of printhead application, user operations, system control, graphic data transmission, production efficiency, energy saving and environmental protection.

Extraordinary Quality

Industry's top-grade piezo-electric printhead

POD 5208 is featured by high-speed industrial-grade drop-on-demand piezoelectric printhead. Its physical resolution is 1200 × 1200 dpi and the smallest ink droplet can reach 2.5 pl, which reproduces clear text and rich images.

Automatic printhead cleaning system makes it easy to detect and maintain the working conditions, which saves a lot of trouble for customers.

Stable and efficient paper transportation

Assisted by automatic path-reversing device and deviation-rectifying device, positioning is accurate for various types of paper and paper feeding is smooth and stable.

The advanced tension control system minimizes tension fluctuation at steady state for best protection from breakage or looseness.

Rich and delicate colors

Water-based pigment ink, various droplet sizes and drop-on-demand technology, all contributes to vivid image reproduction. In standard mode, CMYK printing covers most of Pantone color gamut.

Effective drying + water cooling system

Efficient drying of paper and ink is especially important in high-speed printing. The dual drying system of infrared heating and hot air heating is built in POD5208 to ensure fast drying, and to avoid stains and wrinkles during the output process.

A water-cooling device is also adopted to make sure paper is quickly cooled down after drying. There will be no adverse effect caused by overheating, and no danger posted to the production.

High return on investment by high productivity and low consumption

Meet the needs of industrial mass customization

Unlike traditional printing equipment, POD5208 supports seamless switch of orders and wastes no time for order change (under certain conditions). The maximum printing speed is 100m per minute and printing width is 516 mm, which easily meets the production requirements of both large quantities and versatility.

Low cost and high efficiency, Energy saving and environmental protection

Digital inkjet printing features print-on-demand and variable data printing. Inventory and relevant costs can be reduced to minimum.

Digital printing saves a lot of processes such as plate making and washing etc. Green production satisfies domestic and international environmental protection standards.

Innovative and user-friendly design brings great joy for customers

Industry-grade modular design

Intelligent data processing software ensures accurate and efficient data transmission. It also supports multi-batch variable data importing so efficiency is enhanced and material waste is avoided.

Professional printing software can be integrated into the system for high degree of automation. Self-developed RIP software is compatible with Caldera, ONYX etc. and achieves outstanding printing results.

Real-time monitoring system

Automatic detection system monitors the production in real time. Material waste is reduced, and stability and consistency are assured.

Paper changing auxiliary mechanism

Once paper edge is fixed by the auxiliary crossbeam, the paper roll can be quickly put in place and stabilized through handle operation. There is much less need for manpower required in printing preparations.

Flexible selection of color groups

Four-color printing, two-color printing or single-color printing are all available. Flexible printing methods save a lot of time and cost for customers.

Multiple Applications in Different Areas

Books and product manuals

POD5208 can customize and print each order according to different requirements. The continuously variable printing system saves costs not only on paper consumption, but also on inventory management.

Printing cycle is shortened, and order delivery is faster. Personalization and customization can be easily accomplished.

Newspapers

By POD5208 full-color newspaper will be printed in high quality and with clear picture. The layout is clean and tidy. Ink color is consistent and rich, full and pure. Natural tone is highly restored.
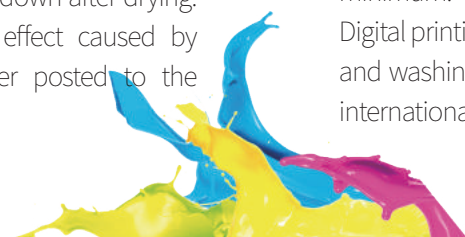
Flyers

High personalization and high quality are key features for flyers, and these can be perfectly accomplished with our POD5208. It also helps to establish personalized connection with customers.

More applications

Combining advanced technologies in printhead, ink and conveyor systems, POD5208 delivers high performance and quality, which can compete with offset printing.

Roll to roll transportation makes it suitable for a variety of professional printing medium. Digital paper, pure paper and offset paper etc. can all be applied for varying solutions in publication printing.

HanGlobal POD 5208

High-speed digital inkjet full-color printing system

PRINTING INDICATORS

Printing Method：single-pass on-demand printing, piezoelectric inkjet technology

Maximum Resolution：600 x 1200 dpi   900 x 1200 dpi   1200 x 1200dpi

Maximum Speed：   100m/min   75m/min   50m/min

Ink Type：Water-based ink

EQUIPMENT INDICATORS

RIP：Self-developed,Caldera,ONYX

Size：15750 x 2200 x 2360 mm

Weight：10000 kg

Drying：Infrared ray + hot air drying

Power Supply：AC380V

WORKING ENVIRONMENT

Power Consumption：Main machine 70 KW，drying 80 KW

Air supply：0.6-0.8MPA

Ambient Temperature：22-28°C

Relative Humidity：(40%-60%)

MEDIUM INDICATORS

Transmission Method：Roll to roll

Maximum print width： 516 mm

Maximum material diameter：1200 mm

Maximum weight： 700 kg

Paper Types： Digital special paper,Pure paper, coated paper, offset paper(40-250gam)(In finite conditions)