

FOUNDER'S FIRST HD
SHEETFED INKJET PRESS

D FOUNDER EAGLEJET™ SHEETFED INKJET PRESS 330HD

*Each One is a Work of Art.
High-Definition
Sheet-Fed Inkjet Leads
the New Era of Printing.*



BEIJING FOUNDER EASIPRINT CO., LTD.

Founder EagleJet™ D330HD Sheetfed Inkjet Press

It is a sheetfed printing machine that combines high-definition inkjet technology and intelligent control technology.

The launch of this press reflects Founder's continuous innovation in the field of digital printing.

Combined with the Founder's independently self-developed belt sheetfed platform,

precise regional suction structure and circulating paper path mode, it realizes the precise control of sheetfed paper.

Coupled with the Founder's completely self-developed circulating ink supply system and the Founder POD System Controller V3.0 (First Release), this sheetfed inkjet press has the advantages of high productivity, high quality,

low cost, and multi-application scenarios, allowing you to share the technological dividends and market competitive advantages brought by inkjet technology and sheetfed applications at a lower cost and with greater agility.

Key Features >>>

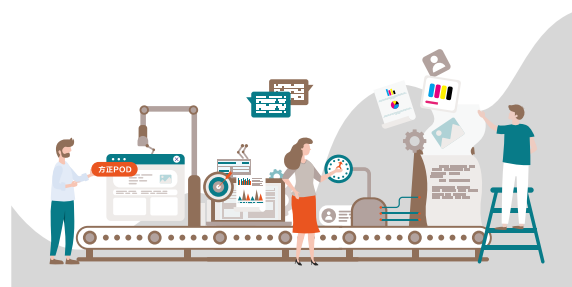
1 Circulating Ink Supply System

The sixthgeneration circulating ink supply control system, which controls the ink temperature and the negative pressure on the nozzle surface accurately. Ink temperature fluctuation can be controlled within $\pm 0.1^{\circ}\text{C}$, and negative pressure fluctuation can be controlled within $\pm 0.2\text{mbar}$. So as to realize internal ink circulation, solve the hard problems such as white line and wire drawing, and ensure stable production of inkjet printing.

4 Brand New Printing Control System

Founder ElecRoc Pre-Press Workflow and Founder Printing Control System work in tandem.

Founder ElecRoc Pre-Press Workflow V6.5 combined with Founder POD System Controller V3.0 (First Release) realizes efficient printing of finished products of different sizes. Users are able to adapt to different printing needs and increase production flexibility.



2 High-Precision Drop-on-Demand Piezoelectric Printhead

The advanced industrial-grade 1200dpi piezoelectric printhead and the multi-stage variable droplet volume are matched with Founder's stable printing control system, which meet the needs of high-quality printing. The printing effect is good and the printhead has a long service life.

3 Unique Mechanical Design & Dual-Module Duplex Printing

The original belt inkjet mode and the ingenious designed paper turning mechanism make the front and back sides to be flipped during the paper transfer process. The operation is convenient and efficient, which not only ensures paper movement stable and no jamming, but also realizes simultaneous printing on both sides.

The precision suction mode ensures printing quality and accuracy by designing and arranging multi-area suction holes in conjunction with stable airflow intensity to control the position and movement of each sheet of paper accurately.

The automatic control system and the dual positioning system monitor and locate the paper accurately in the whole printing process, reducing manual intervention, improving production efficiency and enhancing stability.

Product Advantages >>>

1 Higher Productivity

- Stable printing speed of 8000 sheets A3 duplex/h or 11000 sheets A4 duplex /h.
- Large-capacity paper feeding mechanism for up to 9000 sheets of paper.
- The stable mechanical platform combined with accurate positioning and stable high-speed paper feeding method to ensure the stability of paper feeding and reduce the rate of paper jamming, to achieve a stable 80m/min platform operation.
- Powerful RIP cluster control and high-speed data transfer reduce RIP waiting time and improve productivity.
- The brand new ink supply control system independently developed by Founder greatly reduces the frequency of printhead clogging. No need to stop to maintain the printhead, reducing downtime.

2 High Quality

- Professional high-precision printhead splicing technology ensures high-quality flat screen and gradient screen printing.
- The high-performance special ink developed for general-purpose paper matches to the equipment in a high degree. Combined with the unique inkjet screening technology and precise nozzle spray control technology, the text printing effect is clearer and the image printing quality is better.
- The domestic unique printhead compensation technology adopts the regional compensation method to reduce the impact of nozzle plugging on printing quality.

3 Low Cost

- The sixthgeneration circulating ink supply control system, ensures stable printing and production while reducing the maintenance. The amount of ink wasted in cleaning and maintenance is reduced by 50%.
- The high-performance special ink is optimized for the equipment which has a high degree of matching. The text rendering effect is good, and the ink cost is low.
- The maximum power of the whole equipment is 15kw, and the actual production power is 8.5kw, which is an energy-saving, environmentally friendly press with low running costs.

4 Multiple and Wide Application

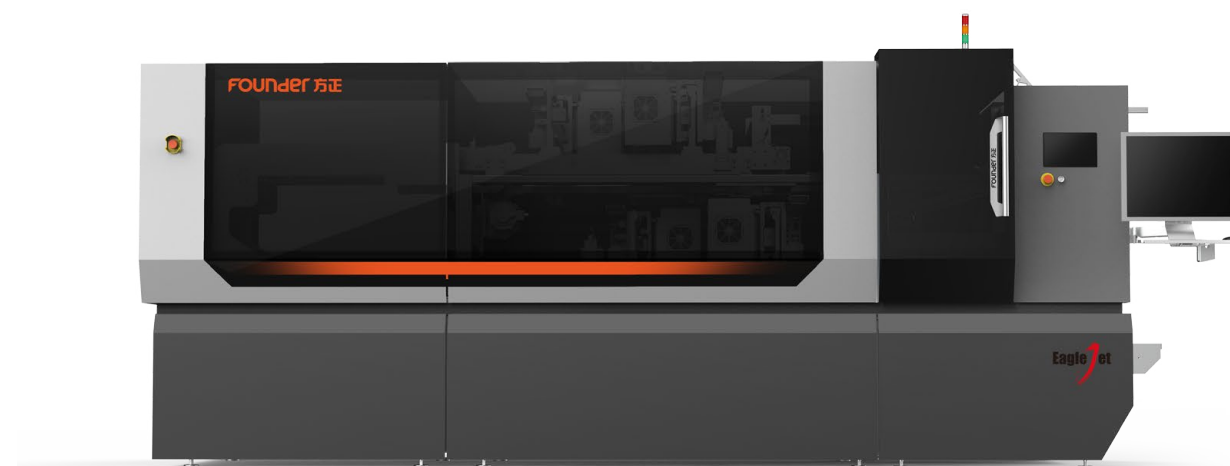
- Brochures, Books, Manuals, Test papers, Instructions, Education and training materials

This press has the characteristics of personalization, short run, and on-demand production, which breaks through the dilemma of traditional printing process with many links, more labors and low efficiency. Users apply inkjet technology to meet the various printing market requirements for monochrome books, manuals, brochures, test papers and so on.

- Wide Range of Paper Applicability

Support paper sizes of A4, A3, and A3+. Meet the paper grammage among 60g-100g.

With Founder's unique imposition module, it is possible to print finished products of different sizes.



Technical Specifications of **Founder EagleJet™ D330HD Inkjet Printing System >>>**

Printing Unit	Technical Specification
Printing Method	Single-Monochrome Duplex (Upgradable to Dual-Color Duplex)
Printhead	On-Demand Piezoelectric Printhead
Max. Printing Width	324mm
Printing Speed	8000 A3/h; 11000 A4/h; 366-533P/min
Resolution	1200dpi
Front and Back Registration	± 0.2mm
Paper Feeding Method	sheetfed
Max. Feed Width	310*440mm
Paper Size	A3+; A3; A4
Paper Type	Uncoated Paper; Inkjet Coated Paper; Copy Paper
Paper Grammage	Among 60g-100g
Ink Type	Water-Based Pigment Ink

Running Environment	Technical Indicator
Mounting Location	Recommended in A Separate Room
Mounting Space	Machine Dimension 4850*1750*1950mm Recommended Space 6000*4000*2300mm
Main Body Weight	2.2 Tons
Power	Equipment Power 8.5kw; Total Power 15kw
Power Supply	220V ± 2%; 68A; Independent Grounding Required; UPS Required
Temperature & Humidity	Temperature: 22.5℃ ~ 27.5℃; Humidity: 45%-65%; Non-Condensing

*The cut paper is flat, without curling edges or waves.



Service Support

The service centers cover 31 cities in China.
The service team is composed of more than 100 professional engineers.
Founder provide quick response and high-quality services such as maintenance, repair and upgrade.
Localized production of spare parts and fast supply system fully guarantee the production.



Remote Diagnosis

Combining with the market demand and the actual needs of customers, Founder has developed a remote diagnosis platform for inkjet equipment. With the Internet and real-time data analysis and processing technology, the platform can reduce equipment downtime and improve the efficiency of after-sales service, providing faster, more accurate and more reliable service.

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