FOUNder SE

www.founderpod.com

Print

FOU

ND

R P O D

The Leader of Inkjet Printing in China

Founder EagleJet™ Sheetfed Inkjet Press

0

-

0

-

Founder's First Sheetfed Inkjet Press

330



BEIJING FOUNDER EASIPRINT CO., LTD.



Founder EagleJet[™] S330 Sheetfed Inkjet Press

- Founder's first sheet-fed inkjet press with completely proprietary intellectual property rights.
- Print on both sides with dual-gripper mode and single module.
- Self-developed circulating ink supply system and new DFE printing control system.
- High productivity, high quality, low cost, flexible change and multiple applications.
- Bring about the change of more quickly printing at a lower cost.
- Enjoy market competitive advantages with sheet-fed technology.

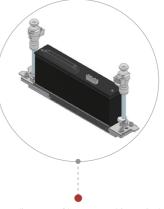


1 Circulating ink supply system

The sixth-generation ink supply control system independently developed by Founder is used to precisely control the ink temperature and negative pressure on the nozzle surface. The fluctuation should be controlled within $\pm 0.1^{\circ}$ C for the ink temperature and ± 0.2 mbar for the negative pressure. Thus it can realize internal ink circulation, solve the common problems such as white lines and wire drawing, and ensure stable production of inkjet printing.

2 High-precision drop-on-demand piezoelectric nozzle

Advanced industrial-grade piezoelectric printheads and variable multi-level ink drop volume are adopted to meet high-quality printing requirements with satisfactory printing effects and long service life.



3D diagram of kyocera Inkjet Printheads

3 Print on both sides by the single module with unique mechanical designs





1 High Productivity

- The product can stably produce 7000 sheets of A3/h, or 233P/min.
- Large-capacity paper feeding mechanism can accommodate 12,000 sheets of paper, and ensure 2 hours of printing.
- Stable mechanical platform, accurate positioning and steady high-speed paper feeding mode ensure stable paper feeding and a lower paper jam rate.
- With powerful RIP cluster control and high-speed data transmission, RIP and printing can be carried out at the same time, which reduces RIP waiting time and improves production efficiency.
- The new ink supply control system independently developed by Founder greatly reduces the frequency of nozzle clogging and maintenance, which thus reduces downtime.

2 High Quality

- Professional high-precision nozzle splicing technology is adopted to ensure high-quality flat screen and gradient screen printing.
- Adopting high-performance special ink developed for domestic general-purpose paper, with a high degree of equipment matching. Combined with unique inkjet screening technology, and precise nozzle spray control technology, the product presents clearer text printing effect and better image quality.
- The domestic unique nozzle compensation technology is adopted, and the impact of nozzle plugging on printing quality has been reduced by means of regional compensation.





3 Low Cost

- The new sixth-generation circulating ink supply system, while ensuring stable printing production, can reduce maintenance times, and reduce the amount of ink by 50% wasted during cleaning and maintenance.
- The high-performance special ink optimized for the equipment is beneficial for text rendering effect with low ink usage cost.
- The maximum power of the whole machine is 9.6kw, and the actual production is 5.5kw, which is energy-saving, environment-friendly and low in operating cost.

4 Multiple and Wide Application

• Brochures, books, manuals, test papers, instruction manuals, education and business training materials

With the characteristics of outstanding uniqueness, small print run, and on-demand production, it can break through the traditional printing processes with multiple working steps, large numbers of workers, and low efficiency. Through superior inkjet printing technologies, it helps users effectively meet the various market needs of black-and-white books, manuals, brochures, test papers and so on.

• Wide range of paper applicability

It supports paper sizes like A4, A3, A3+, and meets the paper weight among 48g-100g. With Founder's unique imposition module, it can realize the printing of finished products of different sizes.





Technical Specifications	
Printing method	Single color double sided
Resolution	600x600dpi/2bit
Maximum printing speed	266P(8000 sheets/hourA3 single side)
Front and back overprint accuracy	±0.5mm
Printhead	Industrial On-Demand Piezo Printhead
Ink type	Water-based pigment ink/water-based dye ink
Operation interface	Visual operation interface
Paper	
Maximum paper width	350mm
Maximum imaging width	324mm
Paper weight	48g-100g/square meter
Paper type	Uncoated paper, digital uncoated paper, newspaper, carbonless copy p
Maximum stack size	12000 sheets
Power and Environment	
Overal lsize	2580*1590*2150mm
Mechanical platform	220Vac, 5.6KW Max
Digital Control System	220Vac, 4KW Max
Temperature	22.5-27.5°C optimal working temperature
Humidity	40-80%, Optimum working humidity 50-60%RH
Component	
Single machine main body	
Nozzle compensation	
Paper positioning device Static elimination device	
Printing module unit	
Paper feeding control platform	

Software System

Founder DFE Print Controller System	
Hardware Configuration	Server
Software Environment	centos
Basic configuration	System settings, font settings, hot folders, template settings, paper management, curve management.
Print	Compatible with the printing of PDF, PS and OFD format files generated by various typesetting software. It has multiple printing methods such as regular printing and hot folder printing, and supports saving, processing and saving, printing and proof-reading in proof printing.
Imposition	It can realize high-speed folding and hand-made large-format processing of books, supporting cutting and stacking, steps and repetitions. And,it supports multiple binding methods such as saddle stitching, flat stitching and so on.
Quality control	Provide quality control functions such as image quality, overprinting, thick characters, and line width adjustment.
Bitmaps preview	Support preview of bitmap files after screening.
Color management	Support linearization curve, trim curves, Founder cmf color correction package.
Device management	Including equipment monitoring, equipment control, cleaning and maintenance.





BEIJING FOUNDER EASIPRINT CO.,LTD.



account of EASIPRINT

Address: Founder Building, No. 9 Shangdi Fifth Street, Haidian District, Beijing Email: jbgao@founder.com• qinye2@founder.com Website: www.founderpod.com

Tik Tok

The final interpretation of this information belongs to Beijing Founder Easiprint Co., Ltd. We reserve the right to change product designs and specifications. If there is any update, please kindly understand if you are not notified in time.