他们竭尽全力去追逐这个世界的潮流
They try best to chase the tide of this world

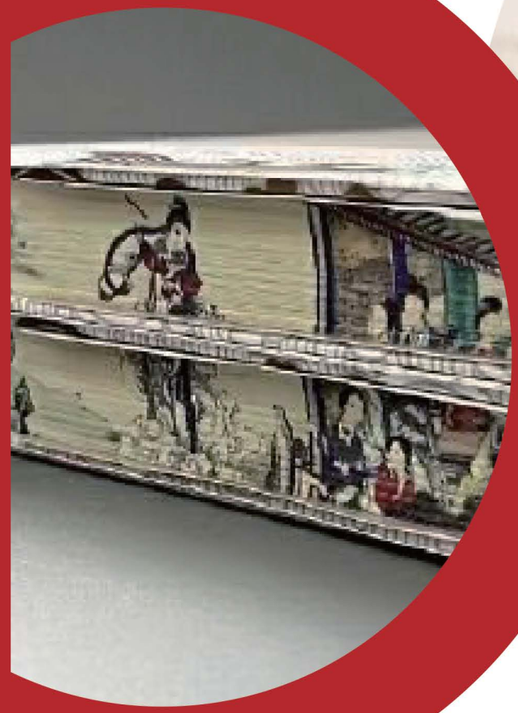
而UPG的环保机器，才是设备的未来潮流
And the environmental machine from UPG,
must lead the trend of future.

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200070.P.R.CHINASHANGHAI

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www.upg-digital.com

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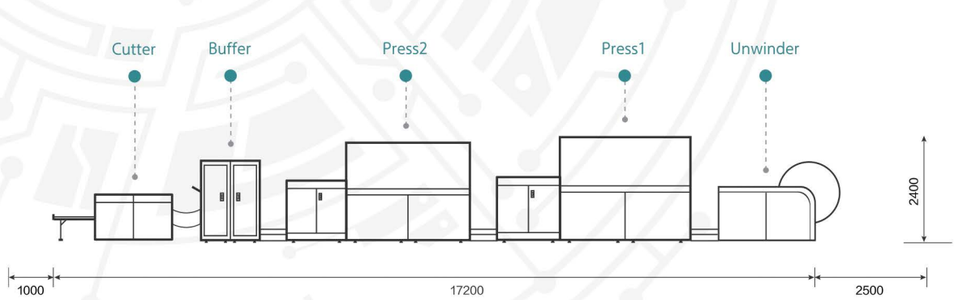


Digital POD Solution
数码书本印刷方案

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CHD Full Color Duplex Inkjet Digital Press
高速全彩高精度喷墨印刷机





Roll-to-sheet

1200DPI HD
CHD Full Color Duplex Inkjet Digital Press

Fast Production Speed
The maximum production speed reaches 137 m/min and ensures the production requirement of 100 m/min when connecting inkjet equipment.

Leading Cutting Technology In China
CHD cutting technology can meet the requirements of not only tissue paper cutting but also the accurate cutting of smaller sizes with the unique small-diameter rotary cutter.

Simple Setup And Quick Specification Conversion
The paper cutting specification can be changed by simply set in the touch screen without downtime to improve efficiency and reduce paper waste.

Staggered Stacking ls Convenient For Post-Process Operation.
The staggered stacking, realized through the simple touch screen setting, simplifies the paper separation in the post-process, which reduces labor and improves production efficiency.

Compacted Structure Helps To Reduce Power Consumption And Working Space

Applications





Specifications

Printing mode	LQ-MD P4400CHD	LQ-MD P5600CHD	LQ-MD P6600CHD
Printing type		4-colors duplex	
Resolution		1200×1200dpi、1200×840dpi、1200×600dpi	
Max. printing speed		Uncoated paper 120m/min	
Registration accuracy		±0.5mm(Front and back)	
Max, media width	440mm	560mm	660mm
Max.printing width	440mm	540mm	650nm
Media thickness		45gsm-165gsm	
Vax roll diameter		1270	
Cutting System Specifications			
Cutting speed		137m/min (max. speed)	
Paper weight		40g-200g(Some papers need to be texted.)	
Web width		140-560mm	
Stack length		90mm-710mm	
Stack height		250mm	

High-Definition Mono Color Inkjet Digital Press
高清单色喷墨印刷机



LQ-MD 4400HD/5600HD
High-Definition Mono Color Inkjet Digital Press

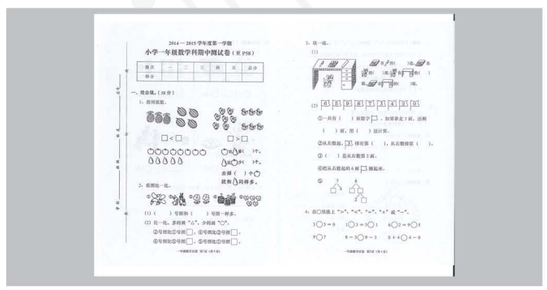
With the benefits including high quality comparabl to offset printing, lower ink cost, efficient and stable production release, and extended service life, the new-generation HD inkjet press will become the key factor for customers in the market competition by its excellent printing quality and lowest comprehensive cost.

Specifications

Model	LQ-MD 4400HD	LQ-MD 5600HD
Printing type	Monochrome duplex	
Resolution	1200×1200dpi、1200×960dpi、1200×840dpi、1200×600dpi	
Printing speed	150m/min Max*	
Cutting speed	100m/min Max*	
Registration accuracy	±0.5mm(Front and back)	
Printhead	Industrial Drop-on-demand Piezoelectric	
Ink	Water-based pigment ink/dye ink	
Dry method	Infrared dryer (automatic adjustment on printing speed)	
Digital front-end	EagleJet™inkjet imaging system (Windows Server based)	
Max. media width	560mm	560mm
Media type	440mm	540mm
Media type	Uncoated paper,inkjet coated paper,newspaper#	
Media thickness	45 gsm-165 gsm	
Max. roll diameter	1270mm	

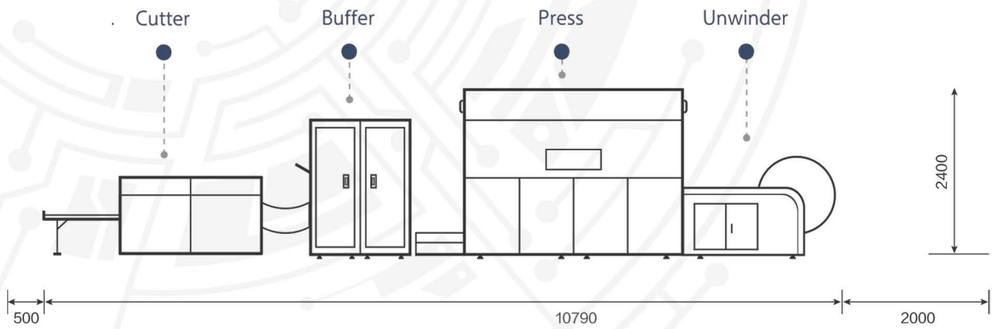
Applications





High-Speed Mono Color Inkjet Digital Press
高速单色喷墨印刷机





Applications





LQ-MD 4400S
High-Definition Mono Color Inkjet Digital Press

Printhead compensation technology with regional compensation method, solves the printing quality instability caused by nozzle blocking.
Independent and stable tension control.
Newly-designed and patented paper feeding route.
Through RIP, screening and edge generation technology combined with ink drop size control technology, effectively eliminates text edge zigzag and levels, to ensure best printing effect.
Touchless self-cleaning system.
Independent and centralized ink supplying cabin (from main press)
Up-to-date colorgray image optimization conversion technology
Improves consistency of conspicuous visua features in gray-level image and colorful original pattem, and improves presentation effect.

Specifications

Model	LO-MD 4400S
Max. Media Width	440mm
Max. Printing Width	432mm
Printing Type	Monochrome Duplex
Dry Method	Infrared Dyrer (automatic adjustment on printing speed)
Registration Accuracy	±0.5mm(front and back)
Print Speed	100m/min Max.
Frame Structure	Steel structure
Printhead	Industrial Drop-on-demand Piezoelectric
Ink	Water based pigment ink, dye ink
Resolution	600x600dpi/2bit 600x1200dpi/2bit(Max.)
IR Lightbox	Two Suits
Media Type	Uncoated paper, Digital uncoated paper. newspaper
Media Thickness	45gsm-165gsm
Max. Roll Diameter	1270mm

Two Sides Sheet-Fed Inkjet Printer
高速单张纸数码喷墨印刷机



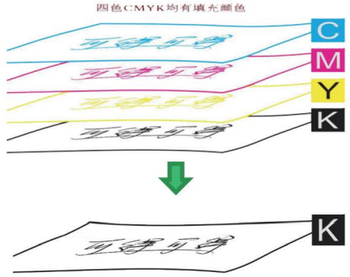
LQ-MD 4400C
Two Sides Sheet-Fed Inkjet Printer

LQ-MD 4400C is a high-speed full colors duplex inkjet sheet-feeding press with completely independent intellectual property rights.

The bottom tooth-picking and paper tail air suction technology of the product's roller of traditional offset printing have undergone a number of technical innovations to ensure the accuracy of the paper transfer, which can achieve 40-180g paper thickness and maximum feed 330×440 printing, with a maximum capacity of 7,000 sheets A3/hour and maximum accuracy of 600×1200dpi, without IR drying, greatly reducing energy consumption.



Clear text Presentation



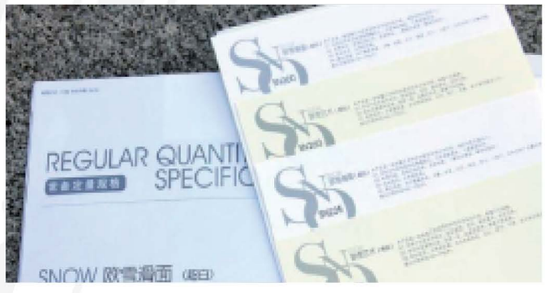
Four color text to single black text

We used RIP for special processing of the text edges, so the text edges can be printed clearly and even small fonts are clear and legible.Realize four-color text conversion to the signle black text, easy to slove the printing alignment problem.

Applications







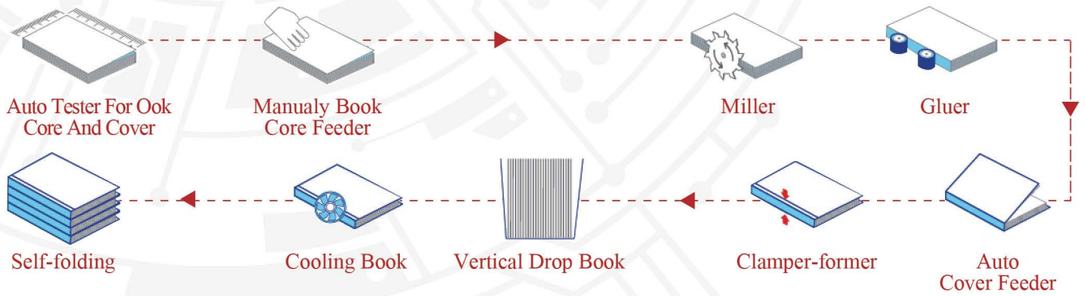


Specifications

Model	LQ-MD 4400C
Printhead	Using the latest high-speed circulation on demand piezoelectric industrial grade printhead (high-speed, high-precision, circulation, variable point printing)
Printing size	440mm×330mm
Printing color	Single Black, Dula Colors, Full Colors
Resolution ratio (dpi)	Full color:600x600dpi,600x800dpi,600 x1200dpi Black and white: 1200 x1200dpi
Suitable paper	Woodfree paper/News paper/inkjet Coated Paper/Carbon Free Paper
Control unit	Full Seryo
Print speed	Designed speed 600ppm, around 7,000pcs/h above (depending on paper's quality, thickness and environment, etc.)
Dimensions	(H)1.8×(L)4.61×(W)1.69m (including base pedal 2.85 m)

Fully Intelligent Ellipse Binding Machine
全智能胶订机





Applications





LQ-MD 50/5FD
Fully Intelligent Ellipse Binding Machine

LQ-MD 50/5FD Fully Intelligent Ellipse Binding Machine is multi functions binding machine with advanced technology in 21th century. It can paste paper scrip and gauze. And also can be used for sticking big sizes cover in the meantime or use alone. The interchange between EVA and PUR is very fast.

This machine adopted a computer operation system, a mill chamber construction, side rubber wheel, indentation wheel, book-wrapping table, cover size adjuster, auto computer setter. As a result it can finish table, cover size adjuster, auto computer setter. As a result it can finish and PLC. It is assembled with photoelectric cells, auto tester and touch screen displayer, There is digital display function in the glue breaking function back and forth, mill back, glue breaking glue pot and covering adjustment in gluing in the back. The press track wheel has micro adjustment functions constantly, the book output is using robots vertical colleting way and protects the book back forming in better way. This machine not only uses lock line gluing packaging, but also unwiring gluing packaging, which is the deal equipment for the unwiring gluing packaging and wiring packaging in the printing factories of wide-range universities.

Specifications

Model	LQ-MD 50/5FD
Binding size	Max :450×308mm Min:150×105mm
Binding thickness	2-50mm
Binding speed	Max :2000Books/ Hour
Power required	14kw
Weight	2200kg
Dimensions	3900×2500 ×1250mm

Glue Binding line
高速胶订机



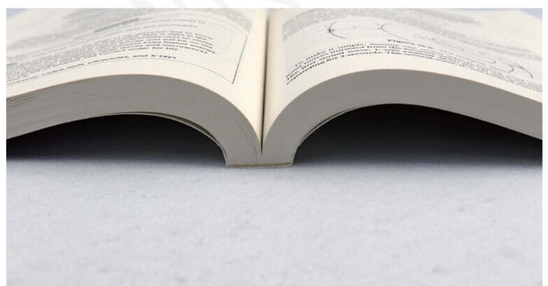
LQ-MD 5000
Glue Binding line

The LQ-MD 5000 glue binding machine is designed with the concept of providing powerful features and good performance at a low investment cost, making it a high-quality binding solution at an attractive price. The core gluing technology platform ensures high quality gluing while providing high productivity and economic efficiency.

Cost-effective, a lot of labor saving, can quickly recover costs.
A large number of user-friendly design, easy to use and operate.
Adaptable to flexible production, strong scalability.

Applications





Specifications

Model	LQ-MD 5000
Max. Speed	5000c/h
Book length	140-460mm
Book width	120-270mm
Book thickness	3-50mm
Page length	140-470mm
Page width	250-640mm
Power	55kw
Weight	5800kg
Dimensions	9950×1900×1500 mm

Digital Edge Printer
数码书边打印机



LQ-MD 450
Digital Edge Printer

For the personalized printing needs of books, notebooks, notes and photo books, we have successfully developed the digital edge printer for book printing that using the inkjet technology of non-contact printing.

The digital edge printer is equipped with a full set of digital printing processes, with high precision, high efficiency, low loss, and is equipped with a full process flow to make production operations simpler and easier, which is the perfect digital printing solution for digital book edge printing.

Specifications

Model	LQ-MD 450
Maximum book size	450x450mm
Maximum book thickness	200mm
Production speed	1000 copies/hour (Book size 185×185×10MM; printed on three sides)
Printing resolution	720×1200DPI
Ink	CMYK water-based ink
Equipment size	2.5×1.85×2.3m (lengthxwidthxheight)
Standby power	60W
Working power	2500W
Operating temperature	17-35℃
Operation humidity	non-condensing 20%-80%

Applications



