



JMD Finishing Solutions

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Company Profile



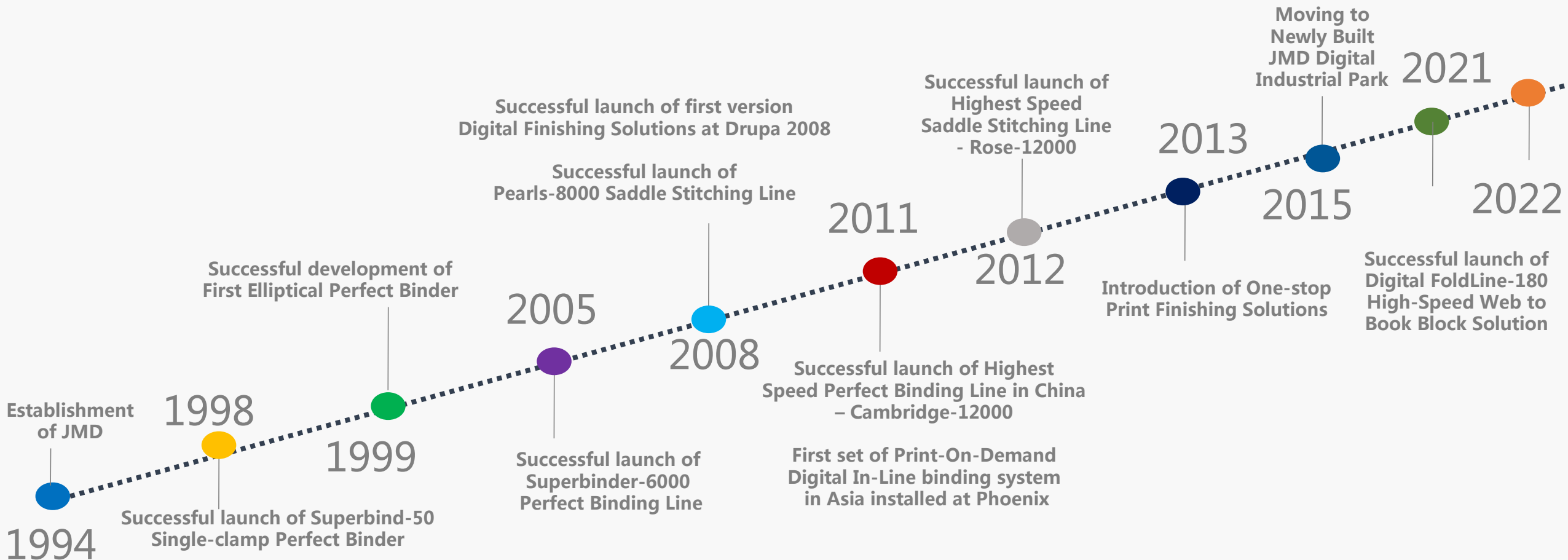
- Established in 1994
- Industry leader of high quality print finishing systems in China
- 90% large sized printing companies in China are using JMD finishing systems
- National high-tech enterprise



JMD Milestones

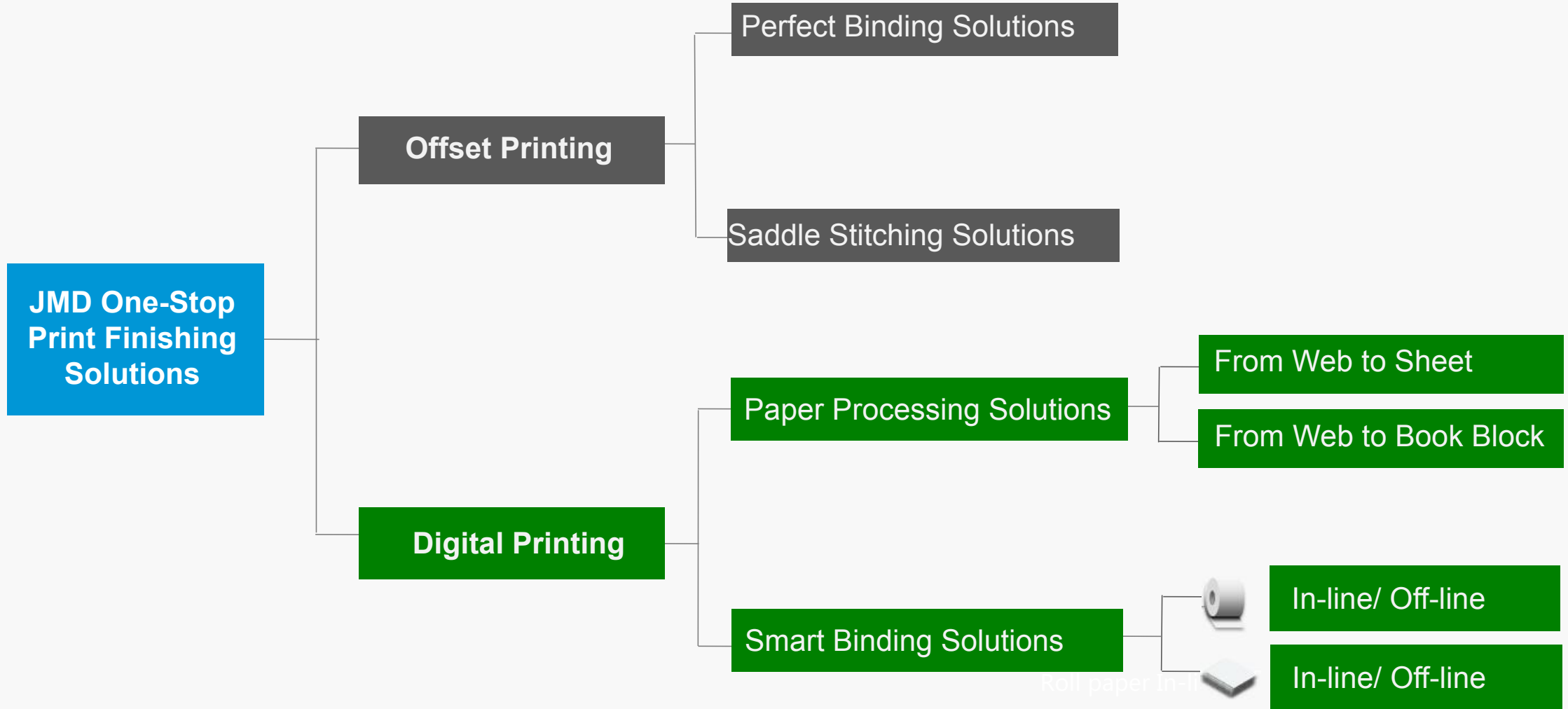


28 Years' Focus on Manufacturing Top Quality Print Finishing Systems





JMD One-Stop Print Finishing Solutions

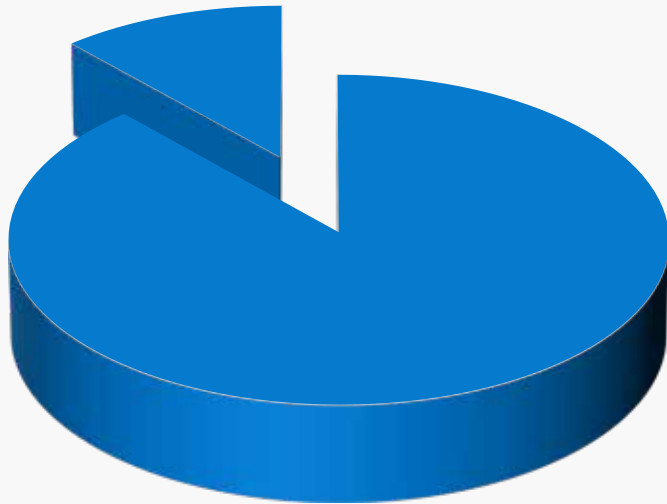




Industry Leader in China Domestic Market



Installation of JMD Perfect Binding Machines



3000+ perfect binding machines
including **400+** perfect binding lines

90% *Large Sized Printing Companies in China are Using JMD Equipments*



Overseas Sales Network Still Expanding



International sales network covering **30+** countries worldwide.

Look forward to building cooperation with sales agents globally to sell JMD equipments and provide rapid after-sales services



JMD Production Facilities



JMD Headquarter



JMD Hefei Spare Part Manufacturing Center

JMD Headquarter
Building Area: 79,000 Square Meters

JMD



JMD Workshop



Precise Machining Workshop and CNC Workshops



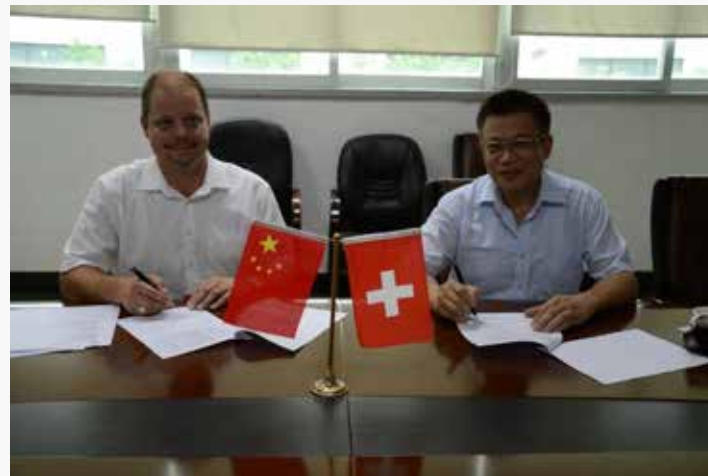
Leading Proprietary Technology



40+
National
Patents and
Inventions



Built Strategic Cooperation
with Muller Martini on the
Patents, starting from 2014



International Supply Chain



All the key components are imported from world-class suppliers to ensure the high product quality with European high quality standards.



Product Quality Guarantee



- ISO9001 (QMSC)
- CE (European Standard)
- UL



Main Products Introduction

JMD Offset Finishing Solutions

Perfect Binding Solutions



- ✓ **NewBridge Binding System**
- ✓ **Cambridge-12000 Binding System**
- ✓ **Superbinder-8000e Binding System**
- ✓ **Superbinder-7000M Binding System**
- ✓ **Challenger-5000 Binding System**
- ✓ **Superbinder-200F Perfect Binder**
- ✓ **Superbinder-200E Perfect Binder**
- ✓ **G460P High-Speed Gathering Machine**



NewBridge Binding System



NewBridge is JMD's latest innovation of fully automatic perfect binding solution with max. speed up to 12,000 cycles/hour. It provides short make-ready time, high productivity and outstanding binding quality, which is an ideal solution for the printing companies to stay competitive in the ever-changing markets and win more opportunities to increase the profits.



Cambridge-12000 Binding System



- ◆ **High Productivity:** High production speed up to 10,000 books/hour can be achieved, which increases greatly the net output and cost-effectiveness.
- ◆ **High Degree of Automation:** By employing Siemens servo-motor control system in the critical parts, the make-ready time is greatly shortened for different binding formats.
- ◆ **Strong Stability:** The whole system is designed with European top quality standards, which ensures a strong stability even at very fast running speed.
- ◆ **Outstanding Binding Quality:** Two spine glue tanks and two nipping stations ensure a strong and accurate perfect binding effect.



***Successful Applications in the Largest printing companies in:
Hunan Province, Jiangxi Province, Zhejiang Province, Jiangsu Province,
Henan Province, Guangdong Province, Shanxi Province.....***





Superbinder-8000e Binding System



Superbinder-8000e Automatic Binding System is a 21-clamp perfect binding system with speed up to 8,000 cycles per hour, which can satisfy the high requirements for both offset and digital printing. It features on high degree of automation, short set-up time, high productivity and outstanding binding quality, which makes it an ideal choice for printing companies to handle different production requirements with quick changeover.

Outstanding Features:

- ◆ High production speed up to 8,000 books/hour can be achieved for 24-hours industrial production.
- ◆ Europe imported spare parts guarantee strong and consistent performance at fast running speed.
- ◆ The make-ready time is greatly shortened by employing servo control system at critical parts.
- ◆ Excellent quality control is enabled by the automatic image recognition system.





Superbinder-7000M Binding System

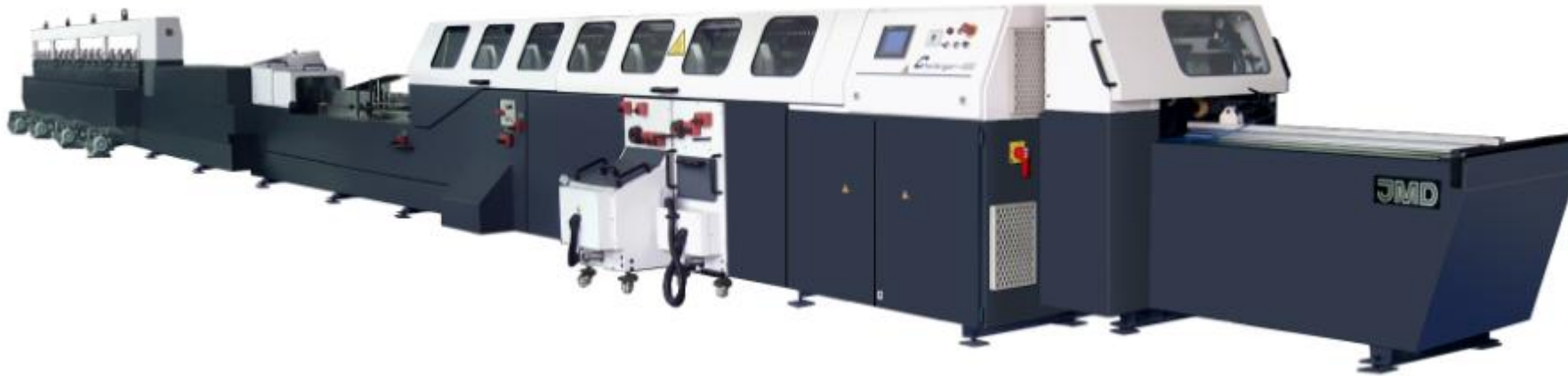


- ◆ **21-clamp high-speed binding system** with max. mechanical speed of **7,000 c/h**
- ◆ Robust construction and stable performance with more than 100 installations.
- ◆ **Double nipping and double spine gluing for outstanding binding quality**
- ◆ **Easy changeover between EVA and PUR production** to meet different requirements
- ◆ In-line production with G460B gatherer and Supertrimmer-100 three knife trimmer



Challenger-5000 Binding System

JMD



- ◆ High net output at 5000 books/ hour with thickness up to 50mm.
- ◆ Easy operation and precise adjustments by employing position indicators.
- ◆ Two milling stations for a versatile range of top-quality spine preparation.
- ◆ Rigid nipping and cover scoring stations for strong and accurate binding.
- ◆ Durable construction with using of imported high quality European spare parts.
- ◆ Easy changeover between EVA and PUR glue application system.





Superbinder-200F Perfect Binder



Superbinder-200F is a newly upgraded four-clamp perfect binder with max. mechanical speed up to 2000 cycles per hour. It employs the modern industrial design, and new upgrades on the critical stations for quick changeover and superior binding quality.

- ◆ **Quick Setup and Changeover:** Thanks to the automatic adjustments on the critical working stations, quick setup and changeover can be completed in a few minutes.
- ◆ **High Production Efficiency:** Binding production speed can reach up to 2000 cycles/hour, together with best-in-class binding quality for both digital and offset production.
- ◆ **Outstanding Binding Quality:** The optimized dual-axis cover scoring station and the special designed nipping station ensure the strong and durable binds with sharp corners.





Superbinder-200E Perfect Binder



- ◆ **Binding production speed can reach up to 2,000 c/h** to meet short & medium run production demand.
- ◆ **Easy setup and precise adjustment** are enabled by touch screen control system and position indicators.
- ◆ **More than 2,000 installation worldwide** with excellent performance and robust construction.
- ◆ **Entry level perfect binding solution** for small to medium printing companies and binding houses.





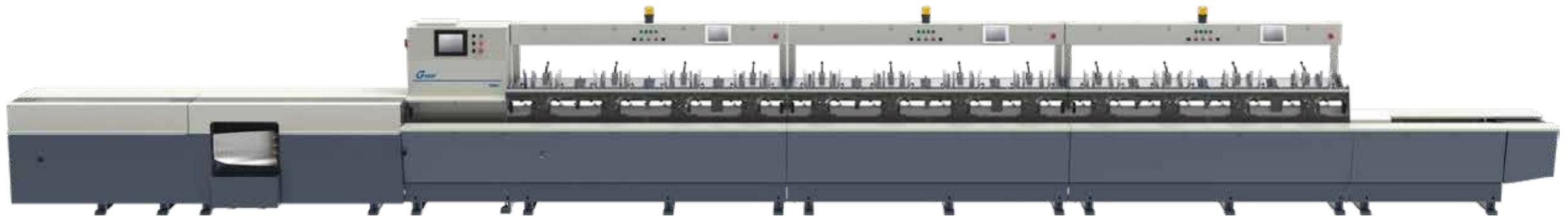
G460P High-Speed Gathering Machine



G460P Gathering Machine is a new upgrade on the old model G460B. G460P is equipped with the latest technology and brings more stability, which enables you for long-term ideal and efficient production.

Outstanding Features:

- ◆ Reliable and non-marking separating of sections thanks to the vertical gathering design.
- ◆ Touch screen allows easy operation and convenient fault analysis.
- ◆ Comprehensive quality control for miss-sheet, double-sheet and paper jams.
- ◆ Easy changeover between 1:1 and 1:2 production modes brings high flexibility.
- ◆ Reject gate for wrong signatures ensures non-stop production.
- ◆ Excellent quality control is enabled by the optional signature recognition system.



Saddle Stitching Solutions

JMD



- ✓ Rose-12000 Saddle Stitching System
- ✓ Pearls-8000 Saddle Stitching System



Rose-12000 Saddle Stitching System

JMD



- ◆ High-speed and high productivity up to 12,000 cycles per hour.
- ◆ Convenient and easy operation through large icon-based SIMENS touch screen.
- ◆ All signature feeders that can be tilt-back for hand-feeding.
- ◆ Comprehensive quality control system to ensure reliable and precise stitching.
- ◆ Robust construction with superior quality European imported key parts.





Pearls-8000 Saddle Stitching System



- ◆ Cost-effective solution from signature gathering, stitching to trimming.
- ◆ High-speed and high productivity up to 8,000 cycles per hour.
- ◆ Easy set-up and quick changeover for different stitching formats.
- ◆ Automatic inspection system that can detect miss-feeds, multi-feeds and paper jam.
- ◆ 1:1 or 1:2 feeder speed change mechanism for flexible production.



JMD Digital Finishing Solutions

Digital Printer

Web Digital Printer
(Speed: \leq 120m/min)

Web Digital Printer
(Speed: \geq 120m/min)

Paper Processing

Splitter-55 Cutter
(Web to Sheet & Stack)

Digital FoldLine 180
(Web to Folded Signature)

Digital Binding

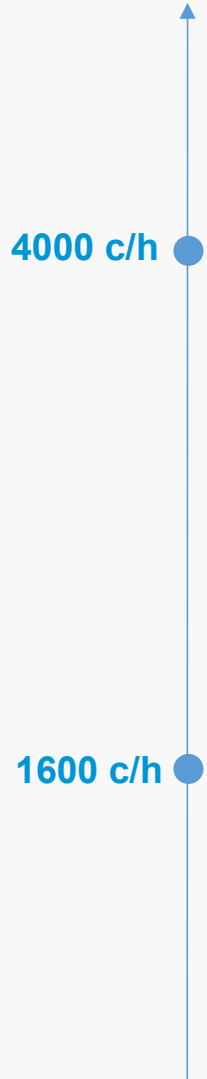
Digital Robot 2000A Binder

Digital Robot 2000A + DT-30 Trimmer (Off-line with Printer)
Digital Robot 2000C Binding System (In-line with Printer)
Digital Robot 4000A Binding System (In-line with Printer)

Digital Trimming

ST-100e 3-Knife Trimmer
DT-30 3-Knife Trimmer

Digital Binding Solutions



Digital Robot 4000A



Digital Robot 2000A



Digital Robot 2000C

Sheet In-line/Off-line

Web In-line/Off-line

Digital Finishing Solutions (Web - Sheet - Book)



Paper Processing

Splitter-55 Cutter
(Web to Sheet & Stack)

Digital Binding

Digital Robot 2000A Binder

Digital Trimming

ST-100e 3-Knife Trimmer
DT-30 3-Knife Trimmer





Splitter-55 Cutter



Unwinder + Cutter + Stacker + Delivery Table



1000 mm

Max. Web Diameter

550 mm

Max. Web Width

100m/min

Max. Speed



Splitter-55 Cutter



Efficient Web Cut and Stack Solution

- ✓ Accurately servo motor controlled unwinder and cutter offer optimal trimming quality.
- ✓ Two cutting modes are available to cut the paper with mark and without mark.
- ✓ Rotary technology for precise cutting can reach speed up to 100 meters per minute.
- ✓ Each job can be delivered to the conveyor one at a time, individually offset within the stack.
- ✓ All setups can be done automatically just by inputting data on the touch screen.
- ✓ Modular and flexible design for either stand alone or in-line production.
- ✓ Compact space-saving layout is suitable for the short run digital production.





Digital Robot 2000A



Highly Efficient & Intelligent Four-Clamp Perfect Binder

Suitable for short run and medium run jobs from hundreds of books up to a few thousand books



4

No. of Clamps

15 s

Fastest Changeover Time

2000 c/h

Max. Mechanical Speed

3 - 50 mm

Book Block Thickness

140 - 330 mm

Book Block Length

120 - 270 mm

Book Block Width



Digital Robot 2000A



Best-in-Class Binding Quality for Digital and Offset Production

✓ **High Production Efficiency**

Binding production speed up to 1600 books/hour, and automatic job changeover can be accurately completed in as short as 10s for changing book thickness and book format at the fastest speed.

✓ **High Intelligence & Automation**

All setups can be done automatically just by inputting data into the touch screen. Barcode system is optional as even easier adjustment way.

✓ **Large Binding Compatibility**

Compatible for digital and offset printing, EVA and PUR binding, which can meet different customers' requirements.

✓ **Flexible In-line Production**

Capable to connect in-line with digital trimmer for a fully automatic perfect binding production line.

✓ **Robust and Durable Construction**

Firmly built with European High Quality Standards, and ideal for Industrial Printing Production of 24 hours x 7days.





DT-30 Digital Three-Knife Trimmer



Capable for Off-line and In-line Production, Fully Automatic Adjustments



Robust Construction

The machine frame employs durable casting technology.

High Trimming Accuracy

Schneider servo motor control system.

High Safety Operation

Double protection enabled by servo motor and Lenz brake.

Smart and Intelligent

There is no adjustment needed when changing the book thickness.



Supertrimmer-100E Three-Knife Trimmer



Excellent Trimming Quality with High Automation



Robust Construction

Durable construction with using of high quality European imported spare parts as key parts.

Quick Changeover

Fully automated adjustment on the side knives opening and press pad height.

Excellent Trimming Quality

Smooth and accurate trimming process with robust and proven one-piece machine design.

Digital Finishing Solutions (Web - Folded Signature - Book)

Paper Processing

Digital FoldLine 180
(Web to Folded Signature)

Digital Binding + Trimming

Digital Robot 2000A + DT-30 Trimmer (Off-line with Printer)
Digital Robot 2000C Binding System (In-line with Printer)
Digital Robot 4000A Binding System (In-line with Printer)





Digital FoldLine-180



High-Speed Web-to-Book-Block Finishing Solution



Unwind Module	
Max. Web Diameter (A)	1000mm
Max. Web Width (B)	900mm
Max. Mechanical Speed	180m/min

Folding Module	
Max. Web Width (H)	900mm
Folding Accuracy (I)	≤1mm
Max. Mechanical Speed	180m/min

Cutting Module	
Signature Length (E)	145-300mm
Signature Width (D)	120-300mm
Cutting Accuracy (F)	±0.5 mm

Stacking Module	
Book Block Length (K)	110-300mm
Book Block Width (L)	145-280mm
Book Block Thickness (M)	3-50mm
Stacking Speed	1800c/h
Book Block Delivery Way	One book by one book, or multiple books in a stack.



Digital FoldLine-180



Flexible High-Performance Web to Book Block Finishing Solution

✓ **Reliable Operation with Outstanding Productivity**

Thanks to the servo motor technology for controlling the web running speed and tension, integrating with the automatic deviation correcting system and tension detecting system, Digital FoldLine 180 offers reliable operation with outstanding productivity.

✓ **Flexible Folding Options**

Equipped with two folding modules, Digital FoldLine 180 provides flexible folding options for both 6-page and 8-page to meet various book block format requirements.

✓ **Spot Glue for Easy Processing**

Thanks to the glue dispensing device for applying the spot glue, the signatures can be perfectly glued to one complete book block, which is convenient for the delivery and further processing in binding.

✓ **Innovated Book Block Delivery Way**

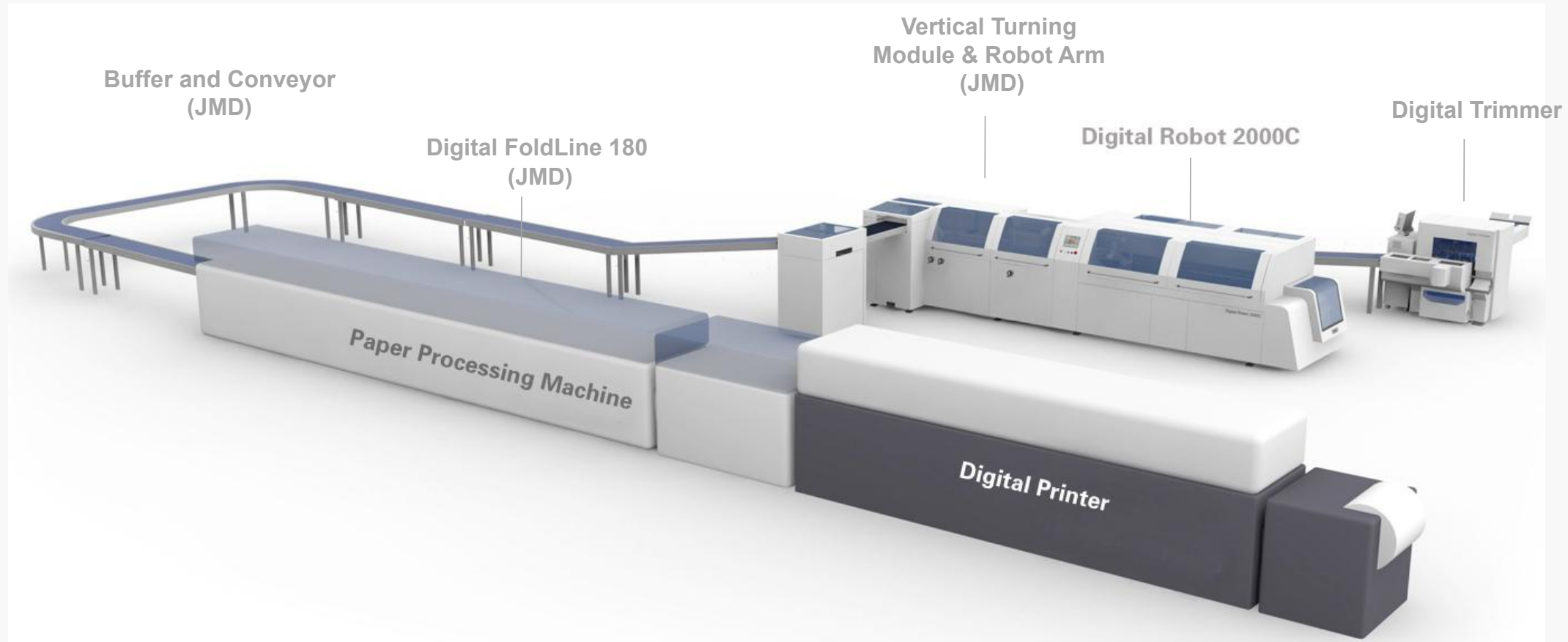
Digital FoldLine 180 offer two ways for delivering the book block. One is to deliver one book block by one book block, so the book block can go directly into the perfect binder. The other way is to deliver one pile of book block.

✓ **Flexible In-line Production**

It offers seamless connectivity for in-line with upstream digital printer and downstream perfect binder to achieve a fully automatic digital production line, which allows efficient short runs, lower labor costs and faster turnarounds for digital production.



Digital Print-On-Demand Production Line





Digital Robot 2000C



Smart Binding System with New Level of Intelligence

Seamless connectivity for in-line with digital printer and digital folding & stacking system



4

No. of Clamps

10 s

Fastest Changeover Time

1600 c/h

Max. Mechanical Speed

3 - 50 mm

Book Block Thickness

140 - 320 mm

Book Block Length

100 - 270 mm

Book Block Width

 Digital Robot 2000C has achieved successful in-line connection with the following brand of digital printers



Kodak

Canon

RICOH

Successful Customer Projects





Digital Robot 4000A



15-Clamp Smart Binding System with High Speed Up to 4000 c/h

Versatile for both digital and offset production up to thousands of books



15

No. of Clamps

5 min

Fastest Changeover Time

4000 c/h

Max. Mechanical Speed

3 - 50 mm

Book Block Thickness

140 - 460 mm

Book Block Length

120 - 300 mm

Book Block Width



Digital Robot 4000A



15-Clamp Smart Binding System with High Speed up to 4000c/h



Success Stories



Customer's Profile

In 2012, Hucais group entered into the market of personalized printing, and has been focusing on the development of on-demand printing, which is the pioneering printing company of POD sector in China.

The on-demand publishing of Hucais mainly focus on the “out of print” books, and “long tail” books. The goal is to establish an e-commerce network and a production platform, and the main customers are publishers and consumers.

HP + JMD Solutions

For digital printer, Hucais uses the HP T410, T300, T350 and T260 digital inkjet printers, as well as the HP Indigo7500, W7250 and 10000 digital printers.

For digital finishing, Hucais uses JMD Digital Robot Solutions, including Digital FoldLine 180 Web to Book Block Solutions, Digital Robot 500C, 2000C and 4000A Binding Solutions for all the printing factories.

Customer's Feedback

Every book can be different through the digital printing process. If the finishing process can't realize automatic changeover, the whole production efficiency will be quite low, and the production cost will be very high.

By employing the digital finishing solutions from JMD, each different book can be automatically produced, and then get into batch production, which has greatly lowered down the costs for us.



SOUTH-EAST EUROPE REPRESENTATIVE:
PREPRESS PRINT DOO

+381 64 1340740
ctp@cron.rs
www.cron.rs
SERBIA - BELGRADE

+385 99 4477468
ctp@cron.com.hr
www.cron.com.hr
CROATIA - ZAGREB