

产品手册

Product Manual

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智能制造系统 Intelligent Manufacturing System

1. 印刷企业数字化管理解决方案 Printing Enterprise Digital Management Solution System

方略印刷 ERP&MES 系统（北京悟略科技有限公司）为印刷企业提供管理方面的解决方案，为不同产品类型、不同发展阶段的印刷企业提供针对性的解决方案。借助信息管理技术，帮助印刷企业在实施各种应对挑战的策略时，可以极大的提高这些策略的成功率及效能的发挥。以集成化的方式，提供整合的企业资源规划方案，致力于帮助印刷企业提高资源的利用效率、消除重复工作，降低单位成本，获取竞争优势。

1.支持企业建立针对包装印刷工艺特点的完整规范集成的产品工艺及工程管理体系。系统能够明确不同管理流程要达到的最终及阶段目标，在流程运行过程中自动沉淀出服务于流程及目标的有效数据，同时，获取的数据可帮助企业建立自身的工程体系，从而不断改进生产系统的控制方法，提升生产效率并降低浪费。**2. 支持企业建立而有效的物控体系。**在印刷企业中，供应链贯穿于整个生产经营及销售流程，如何加强供应链中各个环节的物料管理和控制，直接影响到企业的生产经营成本。方略印刷 ERP 管理系统围绕两个实际目标帮助企业建立有效的物控体系。**3. 支持企业建立生产的全面作业化管理，以实现有效的排产和调度。**本系统通过完整规范的包装产品档案体系，生产作业真正得以拆分为部件及工序作业，建立起生产的全面系统化、作业化管理体系，进而通过建立前后作业的关系实现有效的排产和调度。通过机台反馈机制，可随时获取生产订单的实时生产进度。**4. 支持企业建立生产效率评价体系以及成本核算体系。**依托对生产流程中相关有效数据的自然沉淀与反馈集中，本系统支持企业建立不同的生产效率评价体系如 OEE（综合设备利用效率）和 TEEP（完全产能利用效率）以及按照成本作业法核算生产订单成本，为企业成本核算体系提供有力的数据支持。**5.支持用户按需灵活定制报表，降低统计成本。**基于系统内完整流程沉淀出的基础数据，可定制满足不同部门，不同人员的报表格式及数据展现需求的报表。可真正取消传统的人工数据收集汇总及手工统计方式，规避了可能产生的数据错误，并降低企业统计成本。**6. 支持企业经营状况、财务状况等数据分析。**流程的完善以及基于流程沉淀出的数据，最终要服务于阶段性和总体的目标。对于企业来说，自身经营状况、财务状况等分析，是战略决策、发展布局的最直接有力的依据。本系统帮助企业站在纵观全局的高度，对于经营、财务等走势了然于胸。

Printing enterprise ERP & MES system (Beijing Valueprint Co. Ltd) provides management solutions for printing enterprises and offers targeted solutions for printing enterprises with different product types and at different development stages. With the help of information management technology, the system assist printing enterprises in implementing various strategies to address challenges, significantly enhancing the success rate and effectiveness of these strategies. By providing an integrated enterprise resource planning solution in an integrated manner, the system could help printing enterprises improve resource utilization efficiency, eliminate redundant work, reduce unit costs, and gain a competitive edge.

1. support enterprises in establishing a complete, standardized and integrated product process and engineering management system tailored to the characteristics of packaging and printing processes. The system can clearly define the final and stage goals of different management processes. During the operation of the processes, it automatically accumulates effective data that serves the processes and goals. Meanwhile, the acquired data can assist enterprises in building their own engineering systems, thereby continuously improving the control methods of the production system, enhancing production efficiency and reducing waste.

2. supports enterprises in establishing an effective material control system. In printing enterprises, the supply chain runs through the entire production, operation and sales processes. How to strengthen the material management and control of each link in the supply chain directly affects the production and operation costs of the enterprise. The Fanglue Printing ERP management system helps enterprises establish an effective material control system around two practical goals.

3.supports enterprises in establishing comprehensive operational management for production to achieve effective production scheduling and dispatching. Through a complete and standardized packaging product archive system, this system enables the actual breakdown of production operations into component and process operations, thus establishing a comprehensive, systematic and operational management system for production. Furthermore, by establishing the relationships between successive operations, it realizes effective production scheduling and dispatching. With the machine feedback mechanism, the real - time production progress of production orders can be obtained at any time.

4. supports enterprises in establishing a production efficiency evaluation system and a cost accounting system. Relying on the natural accumulation and centralized feedback of relevant effective data in the production process, this system supports enterprises in establishing different production efficiency evaluation systems such as OEE (Overall Equipment Effectiveness) and TEEP (Total Effective Equipment Performance), and in calculating the costs of production orders according to the activity - based costing method, providing strong data support for the enterprise's cost accounting system

5. supports users to flexibly customize reports according to their needs, reducing the statistical cost. Based on the basic data accumulated from the complete processes within the system, reports can be customized to meet the requirements of different departments and personnel in terms of report formats and data presentation. It can truly eliminate the traditional manual data collection, summarization and statistical methods, avoid possible data errors, and reduce the enterprise's statistical cost.

6. supports data analysis of the enterprise's business situation and financial situation. The improvement of processes and the data accumulated based on these processes ultimately serve the phased and overall goals. For an enterprise, the analysis of its own business situation, financial situation, etc., is the most direct and powerful basis for strategic decision - making and development planning. This system helps the enterprise gain a comprehensive view and have a clear understanding of the trends in business, finance, etc.

2. AI+数字化印刷包装工厂一体化解决方案 AI-powered Digital Printing & Packaging Factory Solution

本方案（北京一轻科技集团有限公司）旨在解决传统工厂数据孤岛，人工依赖高的问题，利用人工智能重构工厂生产流程，打造可贴合使用场景的模块化部署方案。此方案面向有数字化、智能化转型改造需求的印刷包装制造企业。本方案依托全栈自研的 MOM 平台构建的智能制造中枢，以及“应用层-执行层-设备层”三层联动的架构设计，帮助企业实现从战略决策到车间生产的端到端贯通。方案数据采集粒度精确到毫秒级，兼容 OPC-UA/Modbus 等各类工业协议。协作机器人、视觉检测算法与 MOM 平台的深度融合，实现了未对设备进行侵入式改造就自动制版的场景开发。方案具备可扩展的设备支持，模块化产线支持快速重组，按照订单情况灵活调整，预留边缘计算接口，无缝对接未来智慧物流体系。根据用户场景定制开发语音指令控制设备、视觉质检、知识库辅助等多种 AI 技术，并与 MOM 平台系统无缝衔接，通过 DeepSeek 引擎智能地溯源生产异常，因而显著地提升决策响应速度。让印刷包装工厂自我进化的数字化能力，促进科技创新规模化效应。

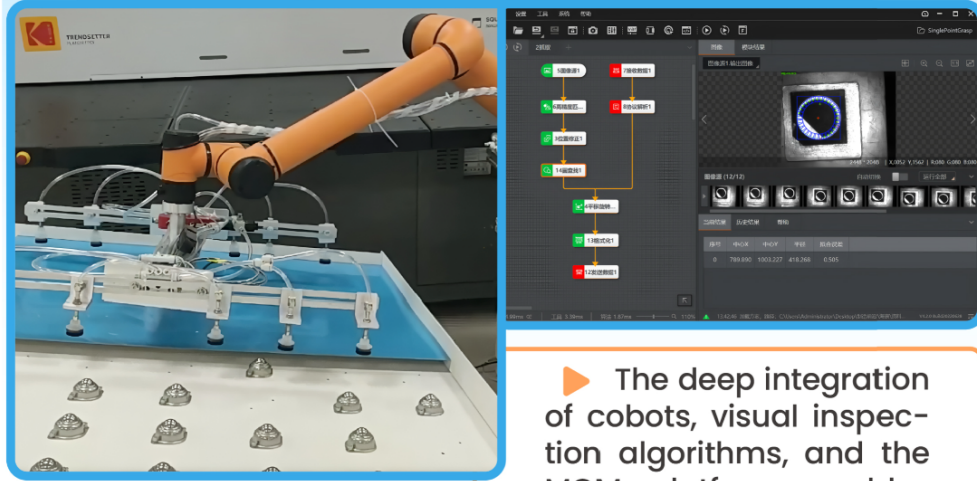
This solution (Beijing Yiqing Technology Group Co., Ltd.) aims to solve the problems of data silos and high manual dependence in traditional factories. It uses artificial intelligence to reconstruct the factory production process and creates a modular deployment solution that can be adapted to various usage scenarios. This solution is targeted at printing and packaging manufacturing enterprises with needs for digital and intelligent transformation.

Relying on the self-developed full-stack MOM platform to build an intelligent manufacturing hub and the three-layer linkage design of "application -- execution -- device". This solution helps enterprises achieve end-to-end connectivity from strategic decision-making to workshop production. The data collection granularity of the solution is accurate to the millisecond level, and it is compatible with various industrial protocols such as OPC-UA/Modbus.

The in-depth integration of collaborative robots, visual inspection algorithms, and the MOM platform enables the development of scenarios for automatic plate-making without invasive modification of equipment. The solution has expandable device support, and the modular production line supports rapid reconfiguration, which can be flexibly adjusted according to order situations. It reserves edge computing interfaces for seamless connection with the future intelligent logistics system.

It customizes and develops various AI technologies such as voice-command-controlled equipment, visual quality inspection, and knowledge-base assistance according to user scenarios, and seamlessly integrates them with the MOM platform system. It can intelligently trace production anomalies through the DeepSeek engine, thus significantly improving the decision-making response speed. It endows printing and packaging factories with the digital ability for self - evolution and promotes the large - scale effect of technological innovation.

Collaborative Robot(Cobot) Integrated Applications



▶ The deep integration of cobots, visual inspection algorithms, and the MOM platform enables automatic plate-making without invasive equipment modifications.

3. 智能信息管理系统 Intelligent management system

本系统针对印刷企业经营、管理过程中，存在的信息数字化程度低、部门间数据联通性差、信息安全管理手段原始、生产管理方式粗放简单等痛点堵点，紧密围绕印品接单、生产、交付核心主线，充分整合印品生产、生产物料、生产设备、货款收支、产品信息安全等关键生产要素，构建整体化、系统性的生产管理需求数字化模型，破除管理部门间信息壁垒，打通各要素间数据互连互通的信息链路，利用大数据、数据挖掘、数字化业务流程等智能化数字化信息技术，建构了以数字化流程管理系统为基础平台，生产工艺管理、物资管理、财务管理、设备资产管理、信息保密管理五个子系统为关键支撑，一平台五支撑智能化印品生产信息管理系统，实现了从接单生产、生产物料准备、设备维修、货款回收、废品销毁管控的印品生产全流程，人员、物资、财务、资产和信息安全等生产全要素的精准、智能管控，助力印刷企业持续提升生产效率、降低生产成本，在日趋白热化的市场竞争中始终立于不败之地。

This system aims at the pain points such as low degree of information digitization, poor inter-department data connectivity, primitive information security control means, extensive and simple production management mode, etc. in the process of operation and management of printing enterprises, and closely revolves around the core main line of printing orders, production and delivery. Fully integrate key production factors such as printing production, production materials, production equipment, payment and expenditure, and product information security, build an integrated and systematic digital model of production management demand, break the information barriers between management departments, open up the information link of data interconnection and interworking between various elements, and use intelligent digital information technologies such as big data, data mining, and digital business processes. Established a digital process management system as the

foundation platform, production process management, material management, financial management, equipment asset management, information security management five sub-systems as the key support, one platform five support intelligent printing production information management system. It realizes the entire printing production process from order taking production, production material preparation, equipment maintenance, payment Ecover, waste destruction control, and accurate and intelligent control of all production elements such as personnel, materials, finance, assets and information security, helping printing enterprises to continuously improve production efficiency and reduce production costs, and always remain in an invincible position in the increasingly heated market competition.

4. 出版物防盗版系统 Publishing material anti-piracy system

本系统专为防范内部泄密风险而设计。软件核心功能涵盖终端管控、文件泄密途径审计及敏感文件保护。通过多维度聊天软件管控，全方位识别并应对内部威胁；同时，提供详尽的文件泄密途径审计，确保泄密行为可追溯。有效阻断敏感文件的外发与外拷路径，并记录阻断情况，将泄密风险降至最低。

This system is designed to prevent the risk of internal leaks. The core functions of the software include terminal control, document leakage audit and sensitive document protection. Through multi-dimensional chat software control, we can identify and deal with internal threats in an all-round way. At the same time, provide detailed audit of the leak path of documents to ensure that the leak behavior can be traced. Effectively block the path of sending and copying sensitive documents, and record the blocking situation to minimize the risk of leakage.

印前设备 Pre-press Equipment

1. 印前智能检测方案系统 Pre-press Intelligent Detection Solution System

中科芯云的印前智能化检测方案系统提供基于人工智能的印前质检比对系统。其所提供的主要解决方案包括基于 JDF 自动化流程，实现文件—拼版—RIP 文件的各环节智能比对，是中国首套全流程印前比对平台。能够在 35 秒内完成小全开尺寸印品检测，误报率极低。拥有中国首套针对图书装帧质量的 AI 检测方案以及智能排产与数字孪生系统，结合 AI 算法优化印刷生产流程，实现智能化调度与管理。此外，还提供丝印定位误差智能校正系统，提升特种印刷精度。此套智检方案采用行业领先的 AI 算法：基于 AimEye 引擎，实现阵列版文件自动比对，脱离传统手动操作。支持双面扫描仪输入，实现社样书与文件的智能比对及全流程自动化，从印前到印后全环节智能质检，减少人工干预。系统可节省印前大版电子文件模块成本，提升生产效率

The pre-press intelligent detection solution system by *Zhongkexin Cloud Image Vision* offers an AI-powered pre-press quality inspection and comparison system. Here are the key features of its main solutions:

Leveraging the JDF automated workflow, it enables intelligent comparison at every step from the original files, through imposition, to the RIP files. This makes it the first full - process pre - press comparison platform in China. It can swiftly complete the inspection of small full - open size printed materials within 35 seconds, boasting an extremely low false - alarm rate. It is equipped with China's pioneering AI detection solution for bookbinding quality, along with an intelligent production scheduling and digital twin system. By integrating advanced AI algorithms, it streamlines the printing production process, achieving intelligent scheduling and management. Moreover, it provides an intelligent correction system for screen - printing positioning errors, enhancing the precision of special printing.

This intelligent inspection package employs AI algorithms. Built on the AimEye engine, it automates the comparison of array - format files, eliminating the need for traditional manual operations. It supports input from double - sided scanners, facilitating intelligent comparison between publisher sample books and digital files, and enabling full - process automation. With comprehensive intelligent quality control spanning from pre - press to post - press, it significantly reduces manual intervention.

The system helps cut down the costs associated with pre - press large - format electronic file modules and boosts production efficiency.



AimEye Intelligent Detection Platform

2. 4648G 全自动 CTP 直接制版机 Automatic CTP Direct Platemaking Machine



设备特点 Features:

◆ 可靠的装版定位系统. Reliable plate positioning system.

整体侧拉规系统，运动更顺畅，新型独立压轮送版机构，依据版宽自适应送版压力，使各种版规装版更顺利. Integrated side-pulling gauge system, the movement is more smooth, independent wheel plate-feeding mechanism, automatically adjusted plate-feeding pressure based on plate width, suitable for the loading of different plate specifications.

◆ 新型光鼓及动平衡设计 New dynamic drum balance design

动平衡与版尾调整采用特殊的阻尼定位，大大降低维护成本动平衡块自动复位程序设计，位置永远无需人工干预 The patented triple dynamic drum balance technology allows the drum to load any plate thickness or format giving smooth vibration-free drum rotation, maximizing image quality. The dynamic balancing and tail-edge adjustment employ specialized damping

positioning, significantly reducing maintenance costs. The self-resetting design of the dynamic balancing module operates without requiring manual intervention

◆ 环保节能的真空系统 **Green Vacuum System**

大流量真空泵系统，使光鼓吸版真空吸力更匀，真空电机更节能 Our high-performance vacuum system delivers: Uniform plate suction across entire drum surface, energy-efficient vacuum motor operation, and optimized airflow for reliable plate mounting.

◆ 免维护激光扫描系统 **Maintenance-free laser scanning system**

导轨自动润滑功能，真正实现免维护高精度磁服直线电机驱动，超高平稳精确，悬浮无轴永不磨损 Featuring self-lubricating guide rails for genuine maintenance-free operation, our precision magnetic servo linear motors provide exceptionally smooth motion through wear-free shaftless floating technology

◆ 更高输出精度 **Web remote operation & Higher Output Accuracy**

输出精度可选 4800/5080/9600 dpi，满足更精细的防伪和 3D 立体印刷需求. Selectable output resolution of 4800/5080/9600 dpi meets demanding anti-counterfeiting and 3D stereoscopic printing requirements.

技术参数 **Techinal Parameters:**

产品型号 Products Model	4648G	4672G	4696G	46128G
装版尺寸 Plate Size	最大 1163×940 mm/最小 300×300 mm Max. 1163×940 mm / Min. 300×300 mm			
激光数量 Laser Numbers	48	72	96	128
机器产能 Speed (带打孔) (Punch)	24(23)p/h	32(31)p/h	39(38)p/h	47(45)p/h
	2400 dpi/1030 mm 表中产能: TPS175 mj/cm ² , UVP-X ⁺ ≤35 mj/cm ² , UVP-I ⁺ ≤45mj/cm ² Production capacity: TP ≤ 175 mj/cm ² , UVP-X+ ≤ 35 mj/cm ² , UVP-I+ ≤ 45 mj/cm ²			
供版模式 Plate Feeding Mode	手动 Manual			
供版容量 Plate Capacity	单张 Single sheet			

纸张回收 Paper Removal	手动 Manual
供电要求 Power supply	单相 AC220V±5%50/60 Hz 额定功率：4.5kW Single-phase AC 220 V ±5% 50/60 Hz Rated Power: 4.5 kW
外形尺寸 Dimensions	宽×深×高：1930×1755×1150 mm W×L×H: 1930 x 1755 x1150 mm
设备净重 Net weight	1150 kg

印刷设备 Printing Equipment

1. INKJ DT4402CHDL 高清双面八色喷墨数字印刷解决方案 High-definition Double-sided Eight-color Inkjet Digital Printing Solution



设备特点:

盈科杰 INKJ DT4402CHDL 是一款灵活、高效的高速喷墨轮转数字印刷解决方案，其搭载工业级按需压电式喷头，最高分辨率达 600dpi*1200dpi，配合多级可变墨滴，色阶过度细腻自然，平网顺滑，保障印刷品质。此外，该设备还搭载独创的墨滴控制喷墨系统、保证高速高质量喷墨打印的同时，为喷头提供更好的工作环境，保证喷头理想状态下的打印平稳。设备搭配自主研发输出工作流程软件、最新四色及专色墨水、全新烘干技术、数字输出工作流程等，为用户提供更灵活更高效的高速喷墨数字印刷解决方案。设备采用系统工程设计理念自主研发生产，自动化程度更高，整体一体化联动性更强，贴合印刷人操作习惯，大大降低操作难度，运行过程稳定、高效。

Features:

The INKJ DT4402CHDL from Yingkejie is a flexible and efficient high - speed inkjet rotary digital printing solution. It is equipped with industrial-grade on- demand piezoelectric printheads, with a maximum resolution of 600 dpi * 1200 dpi. Coupled with multi-level variable ink droplets, it features delicate and natural color gradation transitions and smooth flat screens, ensuring high-quality printing.

In addition, this device is equipped with an original ink droplet control inkjet system. While ensuring high - speed and high - quality inkjet printing, it provides a better working environment for the printheads, guaranteeing stable printing under ideal conditions for the print heads. The device is paired with self-developed output workflow software, the latest four - color and spot - color inks, new

drying technology, and a digital output workflow, etc., providing users with a more flexible and efficient high-speed inkjet digital printing solution.

The device is independently developed and produced based on the concept of systems engineering design. It has a higher degree of automation and stronger overall integrated linkage. It conforms to the operating habits of printers, greatly reducing the operation difficulty and ensuring a stable and efficient operation process.

技术参数 Technical Parameters:

喷头类型: Print head:	工业级按需压电式喷头 Industrial-grade on-demand piezoelectric printhead
印刷精度: Printing accuracy	600 dpi x 1200 dpi / 600 dpi x 600 dpi
墨水类型: Ink type:	环保型水性颜料墨 Environment-friendly water-based pigment ink
印刷速度: Printing speed	600dpix1200dpi 50 米/分钟 / 600dpix600dpi 100 米./分钟 At 600dpi×1200dpi: 50 meters per minute; At 600dpi×600dpi: 100 meters per minute
正背套印: Front-back registration	正背套印精度±0.1mm Front-back registration accuracy: ±0.1mm
四色套印: Four-color registration	四色套印精度±0.05mm Four-color registration accuracy: ±0.05mm
纸张类型: Paper type:	铜版纸、胶版纸、轻型纸、道林纸、新闻纸、宣纸、无碳复写纸等 Coated paper, offset paper, lightweight paper, woodfree paper, newsprint, rice paper, carbonless copy paper, etc.
纸张克重: Paper weight:	40g-200g
最大走纸宽度: Maximum paper width	450mm
有效印刷宽度: Effective printing width	432mm
最大上卷直径: Maximum roll diameter	1280mm
裁切纸张克重: Paper weight for cutting	40g-250g
最大收纸宽度: Maximum paper receiving width	450mm
最大收纸长度: Maximum paper receiving length	780mm(customizable)
裁切堆叠方式: Cutting and stacking method	支持连线裁切、错位堆叠、分本输出 Supports in-line cutting, staggered stacking, and separate volume output.

2. HSS9202B 对开双面双色胶印机 Double-sided Two-color Offset Press



设备特点：

本设备能够很好地满足印刷企业“高质量、高效率、绿色环保”的生产需求以及未来发展趋势，为高档教材、书刊、笔记本、说明书、出版物印刷提供更优的解决方案。

- ◆ 具有较大的储墨性能；窜墨辊支承为滚针轴承，提高稳定性；制动辊自动调节；酒精润版，有效控制水量，减小纸张变形；采用气动离水离墨装置。
- ◆ 传纸滚筒、压印滚筒采用独特的咬牙轴支承，可整体拆卸，方便维护保养；采用高精度咬纸牙，确保纸张平稳及顺利交接。

- ◆ 胶皮滚筒配有专用的包衬夹子，方便装卸胶皮布；胶皮滚筒配有水分吹除装置，减少纸张的吸温变形。
- ◆ 印刷高品质：采用错层式“硬压软”结构，印刷图文与网线方面更显优势，网点还原性好，层次感强，适合精品印刷，改变去“软压软”结构印刷网点变形大、正反面有色差的缺陷。
- ◆ 高质量、高效率、操作方便：稳定高效的输纸结构，采用中国品牌高速飞达头；配备快速带定位装置的版夹系统，通过十字套准打孔机打孔后的印版几乎无需校版，缩短了校版时间；独特的收纸稳定系统。
- ◆ 节能降耗，降低用工成本：1 台胶印机只需要 1 名操作人员，主电机、气泵、输纸机消耗功率的费用支出相对传统胶印机降低 1/3。
- ◆ 可视化人机交互界面系统，可选配印刷质量在线图像检测系统

Features:

This equipment can well meet the production requirements of "high quality, high efficiency, and environmental friendliness" of printing enterprises and the future development trend, providing better solutions for the printing of high-end textbooks, books and periodicals, notebooks, instruction manuals, and publications.

- ◆ It has a **large ink storage capacity**. The ink-oscillating roller is supported by needle roller bearings to improve stability. The brake roller can be automatically adjusted. It uses alcohol dampening solution to effectively control the water volume and reduce paper deformation. A pneumatic device for disengaging the water and ink systems is adopted.
- ◆ The transfer cylinder and impression cylinder feature a **unique gripper shaft support**, which can be disassembled as a whole for easy maintenance. High-precision grippers are used to ensure smooth and successful paper transfer.
- ◆ The blanket cylinder is equipped with special blanket clamps for easy loading and unloading of the blanket. It also comes with a moisture blowing device to reduce the hygroscopic deformation of the paper.
- ◆ **High-quality printing**: It adopts a staggered "hard-on-soft" structure, which offers more advantages in printing graphics, text, and halftone screens. It has good dot reproducibility and strong gradation, making it suitable for high-end printing. It overcomes the drawbacks of "soft-on-soft" structure, such as significant dot deformation and color differences between the front and back sides.
- ◆ **High quality, high efficiency, and easy operation**: It has a stable and efficient paper feeding structure with a high-speed feeder head from Chinese brand. It is equipped with a plate clamp system with a quick positioning device. After the printing plate is punched by a cross - registration punching machine, almost no plate adjustment is required, which shortens the plate adjustment time. It also has a unique paper delivery stabilization system.
- ◆ **Energy-saving and cost-reducing, reducing labor costs**: Only one operator is needed for

one offset printing press. The power consumption costs of the main motor, air pump, and paper feeder are reduced by one third compared with traditional offset printing presses.

- ◆ Visual human-machine interaction interface system, with an optional online image inspection system for printing quality



技术参数 Technical Parameters:

型号 Model	HSS9202J	HSS10402J
最大纸张幅面 mm Maximum paper size (mm)	650×920	720x1040
最小纸张幅面 mm Minimum printing size(mm)	393×546	393×546
纸张规格 g/m ² Paper application range (g/m ²)	40~200	40~200

最大印刷面积 mm Maximum printing size (mm)	640×920	710×1040
印版尺寸 mm Plate size(mm)	950×765×0.28	1055×800×0.3
橡皮布尺寸 mm Blanket size (mm)	950×900×1.95	1055×920×1.95
衬垫尺寸 mm Packing size(mm)	950×695×0.15~0.20	1055×735×0.15~0.20
最大运转速度 r.p.h Maximum speed (r.p.h)	13000	13000
给纸堆最大高度 mm Maximum feeding pile (mm)	1800	1800
收纸堆最大高度 mm Maximum delivering pile (mm)	1000	1000
主电机功率 KW Main motor power (KW)	30	30
外形尺寸(长×宽×高)mm Dimension (mm)	9000×3700×2900	9000×3800×2900
借版量 mm(轴向) Plate adjusting amount mm (axial)	-2.5~+2.5	-2.5~+2.5
借版量 mm(周向) Plate adjusting amount mm(circumferential)	-0.8~+0.8	-0.8~+0.8

借版量 mm(斜向) Plate adjusting amount mm (slanting)		-0.3~+0.3	-0.3~+0.3
机器重量 Weight (kg)	净重(N.W)	26000	27000
	毛重(G.W)	29800	30800

3. RYS104G 高速双面单色胶印机 High-speed double-sided RYS104G monochrome offset press



设备特点:

- ◆ 先进的“先反后正”错层式“硬压软”印刷方式
- ◆ 数十年制造多色胶印机的经验进行制造装配，保证高超的可靠性和长寿命
- ◆ 更高的安全性
- ◆ 不惜成本，选用一流的外购件
- ◆ 高印刷品质，套印准确。
- ◆ 相比于传统 10000 转的机器，有着更高的性价比和更高的使用效率，大部分印刷厂能承受的采购预算，成本回收周期短。
- ◆ 920 规格的双面单色胶印机是量产机型。

Features:

- ◆ Advanced "first reverse, then positive" split-layer "hard pressing" printing method.
- ◆ Decades of experience in manufacturing multi-color offset printing presses for manufacturing assembly, to ensure superior reliability and long life.
- ◆ High security
- ◆ First-class purchased parts. High printing quality, accurate overprint.
- ◆ Compared to traditional 10,000 RPM machines, it delivers higher cost efficiency and superior productivity while remaining affordable for most printing plants, with a short cost recovery

period

- ◆ Double-sided monochrome offset press (Model 920) is a mass production model.

技术参数 Technical Parameters:

产品型号 Products Model	RYS104G	RYS92G
最高印刷速度 r.p.h Maximum speed	13000	13000
最大纸张尺寸 mm Maximum paper size	720×1040	650×920
最小纸张尺寸 mm Minimum paper size	393×546	393×546
最大印刷面积 mm Maximum printing area	710×1040	640×920
纸张厚度 mm Paper thickness	0.03-0.3	0.03-0.3
印版尺寸 mm Printing plate size	1050×800×0.28	950×765×0.28
橡皮布尺寸 mm Blanket size	1050×930×1.95	940×850×1.95
走纸台高度 mm Feeder unit height	1500	1500
收纸台高度 mm Delivery unit height	1100	1100
机器尺寸 mm Machine Dimensions	6000×3800×2850	6000×3655×2850
机器重量 T Machine weight	16.8	16
主电机功率 kw Main motor power	15	15
机器总功率 kw Total machine power	22.5	22.5

轴向借版量 mm Plate adjustment(axial direction)	-2.5~+2.5	-2.5~+2.5
周向借版量 mm (circumferential)	-0.8~+0.8	-0.8~+0.8

印后设备 Post-press equipment

1. ZYH780A 混合式折页机 Hybrid folding machine



设备特点:

- ◆ 可进行四次平行折页和三次垂直折页，根据用户要求可提供正 32 开折页机型或反 32 开折页机型，亦可提供正 32 开双联（24 开）折页机型
- ◆ 操作高度舒适
- ◆ 采用高精度带十字联轴器和齿轮传动
- ◆ 折辊采用新工艺，抓纸力强、抗锈蚀、粘油墨程度轻
- ◆ 栅栏进纸可靠，折页精度高
- ◆ 拥有灵敏的双张、堵塞自动控制装置
- ◆ 可按需进行压痕、打孔
- ◆ 压纸系统结构新颖，走纸精度高，方便操作
- ◆ 配有纸堆高度自动控制系统
- ◆ 采用高性能、自动跟踪分纸飞达
- ◆ 整个电气控制系统采用微电脑控制，各个 CPU 间能互相通信，采用 Modbus 协议广播方式，支持与计算机互联通信，各种控制参数通过人机界面设定，数据处理快、运算能力强、稳定、可靠、操作方便、寿命长
- ◆ 具有故障点显示功能
- ◆ 采用变频无级调速，并有过载保护功能
- ◆ 吹灰装置：能有效地清理机器表面的灰尘，便于机器保养

Features:

- ◆ Quadruple parallel folding with triple right-angle folding. The folder offers various options: standard 32mo, inverted 32mo, or double-width 32mo (producing 24mo-equivalent output)
- ◆ Ergonomic operation Height
- ◆ Precision cross-linked coupling and gear-driven folding rollers.

- ◆ Advanced folding roller technology delivers strong suction, excellent rust resistance, and low ink viscosity adhesion.
- ◆ Precision-adjusted buckle plates guarantee reliable paper feeding and accurate folding.
- ◆ Dual-sensor system for automatic detection of double sheets and jams.
- ◆ On-demand scoring and perforating capabilities.
- ◆ Specialized paper pressing system ensures precise sheet conveyance and user-friendly operation.
- ◆ Automated paper pile height monitoring and control system.
- ◆ High-performance automatic sheet-separating feeder with real-time monitoring.
- ◆ Microcomputer-controlled electrical system features: High-speed data processing, Durable operation with extended lifespan, CPU interconnectivity, Modbus protocol for PC communication, Intuitive HMI for parameter input
- ◆ Real-time fault diagnostics for rapid troubleshooting.
- ◆ VVVF drive system with smooth speed control and overload protection.
- ◆ Integrated dust-blowing system maintains exterior cleanliness and simplifies maintenance

技术参数 Technical Parameters:

可折最大纸张尺寸 Max. sheet size	780×1160mm
可折最小纸张尺寸 Min. sheet size	150×200mm
平行折最小折页宽度 Min.sheet width of parallel folding	55mm
最高折页速度 Max.folding speed	180m/min
可折纸张定量范围 Sheet range	40-200g/m ²
装机容量 Machine power	5.84kw
机器外形尺寸 Overall dimensions(L×W×H)	5176×1620×1630mm
机器重量 Machine net weight	2400kg

2. K5 自动无线胶装机 Automatic Perfect Binder



设备特点:

彩色触摸屏，铣刀、胶轮自动感应开启、自动关闭，智能自动无线胶装机。具备双枫叶吸尘专利，全新太阳刀专利，每把刀可重复三次使用。书芯自动理齐专利技术，碾胶微调专利，带独立控温的碾胶微调技术，欲融胶补胶专利，厚书薄书自适应技术，防皱功能。

Features:

- ◆ Our intelligent automatic perfect binder owns color touch screen control system with auto-sensing activation/deactivation of milling cutters and glue wheels.
- ◆ Patented dual-fan dust extraction system and innovative Sun-Shaped Blade technology (each blade reusable for 3 cycles).
- ◆ Patented book block auto-alignment system, glue application micro-adjustment technology with independent temperature control.
- ◆ Patented pre-melting glue replenishment system, adaptive thick/thin book binding technology, and anti-wrinkle function.

技术参数 Technical Parameters:

Model	K5		
制本长度: Binding length:	335mm	制本厚度: Binding thickness:	60mm
装订速度: Binding speed:	200-350 本/时 200-350 copies/hour	溶胶时间: Glue melting time	30 分钟 30 mins
功能			
铣刀:	9 齿中刀盘	夹面:	自动、防皱

Milling cutter:	9 teeth medium cutter head	Cover Gripper:	Automatic and anti-wrinkle
夹本: Side Gripper:	中速自动 Medium speed automatic	上胶方式: Gluing method:	单胶轮 Single roller
预融胶补胶: Premelt glue patch:	√	侧胶系统: Side gluing system:	√
碾胶轮独立控温: Independent glue roller temperature control:	√	碾胶轮高低调节: Roller height adjustment:	√
铣背高低快速置换: Milling back height quick replacement:	√	厚薄书夹面自适应: Cover jaw thickness Auto-adjustment	√
夹面高低调节: Clamping height adjustment:	√	开放平台: Open platform:	√
搁书平台: Book platform:	√	书芯整理斗: Bookblock organizer:	√
书芯测厚传输: Book block thickness measurement transmission:	√		

3. SXB460F 半自动可编程锁线机 Semi-automatic Programmable Book Sewing Machine



设备特点:

- ◆ 智能化操控，安全、节能、高效
- ◆ 人工技术要求低，配有书帖自动扶正装置，使底孔准确。
- ◆ 循环式拉规，书帖送入整齐可靠。
- ◆ 加速轮高低可智能设置，书帖运行更平稳。
- ◆ 高精度机械加工，针板配以线性导轨，保证针位精确度，减少调机时间和工序。
- ◆ 配有自动出书机构和自动升降台。

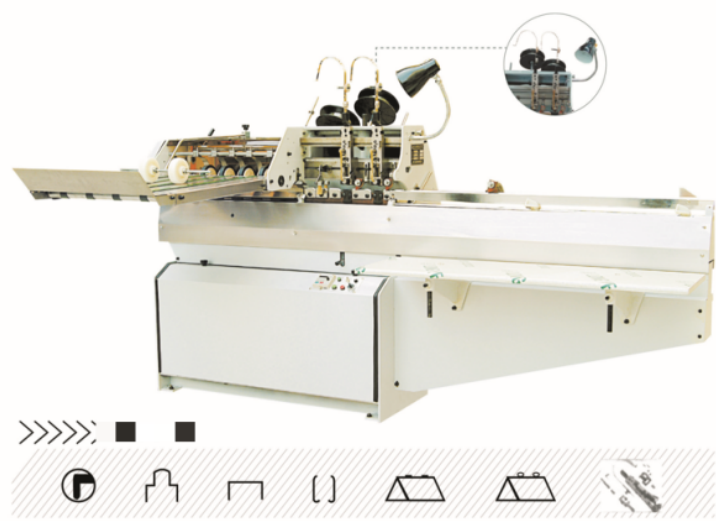
Features:

- ◆ Intelligent control, safety, energy saving and high efficiency
- ◆ The manual technical requirements are low, equipped with automatic righting device, so that the bottom hole is accurate.
- ◆ Circulation type pull gauge, the book is fed neatly and reliably.
- ◆ The level of the acceleration wheel can be set intelligently, and the book thread runs more smoothly.
- ◆ High precision machining, needle plate with linear guide rail, to ensure the accuracy of needle position, reduce the adjustment time and process.
- ◆ It is equipped with automatic book publishing mechanism and automatic lifting platform.

技术参数 Technical Parameters:

最高机械速度 Max speed	90 循环/分 90 cycles/min	针数 Stitche count	12 组 12sets
最小装订幅面 Min. binding format	150×80 mm	针距 Stitche length	18mm
最大装订幅面 Max. binding format	460× 320 mm	整机功率 Power	2KW
设备净重 Net weight	1400kg	外形尺寸 Overall dimentsions	2240×1400×1500mm

4. DQB404-02C 半自动骑马订书机 Semi-Automatic Saddle Stitcher



设备特点 Features:

该机是专门用来装订各种薄本小册子、画报或杂志的订书机，它以铁丝骑马订方式装订。

This machine is specially used for binding various thin booklets, pictorials, and magazines. It uses the wire saddle stitching method for binding.

技术参数 Technical Parameters:

规格 Model	DQB404-02C
装订幅面 Binding Size	89×127~450×305mm
最大装订厚度 Max.Binding Thickness	4mm
装订速度 Stitching Speed	15~100 次/分 15 to 100 reps/min
钉脚宽度 Staple boot width	13mm
两钉中心距 Distance of Center of Staple Boot	45~270mm
铁丝规格	25#~26#

Steel Wire specification	
电机功率 Main power	380V ·50Hz 0.75kW 1400r/分(电源 220V) 380V ·50Hz 0.75kW 1400r/ min (220V power supply)
机器重量 Weight of Machine	350kg
外形尺寸 Overall Dimensions	2200×1320×1350mm

5. QZYK-X 程控节能切纸机 Programmed Energy-saving Paper Cutter



设备特点：

利通 QZYK-1370X 系列高档程控节能切纸机，代表了中国切纸机科技发展革命性的成果，整体机架，整体无槽工作台，整体式推纸器。包含了利通最高的技术和创新，是专业生产型高档切纸机，可裁切书刊、文件、皮革、绸缎、PS 版及中空类包装材料。定位精度高达 0.025mm，裁切速度高达 45 次/分钟，最大推纸器速度 30 米/分钟，裁切安全，优质高效。整机拥有整体式无气嘴钢珠气垫工作台（发明专利）可避免介质磨损，16mm 超薄纯平镀铬钢板工作台面（发明专利），简约时尚，永不生锈，系世界上能耗最低的切纸机。

利通 QZYK-1370X 系列高档程控节能切纸机是创新突破低碳绿色智能化切纸机，节能高达 75% 的第 3 代智能节能技术，融合近 60 项利通切纸机专利发明技术，其中整体机架、整体无槽工作台，整体式推纸器，双线性导轨裁切系统、等，其中 8 项技术打破了世界性难题，可编程容量最高：500 组。

具有 CIP4 功能，全方位远程监控，自动生成裁切程序，3D 同步显示裁切过程，可外挂显示器。可连线无人化数字工厂集中监控和数据对接。

具有智能压纸功能：压纸器回位高度可根据纸堆高度自动调整，减少压纸器空行程，适合限制裁切高度的物品。

具有柔性压纸功能：压纸器接角裁切物前缓慢下降，对裁切物不产生冲击压痕，特别适用于裁切碳复写纸、票据、绸缎、中空包装等高端印刷品。

配备全新的 Smart-Touch 人机交互系统，全新设计的裁切和定位系统，综合裁切性能大幅提升。

Features:

Litong QZYK - 1370X series high - grade program - controlled energy - saving paper cutting machine showcases the revolutionary achievements in the development of Chinese paper cutting machine technology. It features an integrated frame, a seamless table, and an integrated paper pusher. This machine incorporates the most advanced technology and innovation from Litong. As a professional high-grade paper cutting machine, it can handle a wide range of materials, including books, documents, leather, silk forging, PS plates, and hollow packaging materials. With a positioning accuracy of up to 0.025mm and a cutting speed reaching 45 times per minute, it ensures safe, high - quality, and efficient cutting operations. The entire machine is equipped with an integral air-nozzle-free steel ball air-cushion table (an invention patent), which effectively prevents media wear. It also has a 16mm ultra - thin flat chrome - plated steel plate worktable (an invention patent) that is rust-resistant. Notably, it stands as the paper cutting machine with the lowest energy consumption in the world.

The Litong QZYK - 1370X series high-grade program - controlled energy - saving paper cutting machine represents an innovative breakthrough in low-carbon, green, and intelligent paper cutting machines. It adopts the third - generation intelligent energy-saving technology, achieving an energy - saving rate of up to 75%. This machine integrates nearly 60 patented invention technologies from Litong's paper cutting machines, including an integrated frame, a seamless table, an integrated paper pusher, and a bilinear guide cutting system. Among these technologies, 8 have solved global problems. It also boasts the highest programmable capacity, reaching 500 sets.

Equipped with the CIP4 function, it enables comprehensive remote monitoring. It can automatically generate cutting programs and offers 3D synchronous display of the cutting process, which can be connected to a monitor. Moreover, it can be connected to the centralized monitoring system of an unmanned digital factory for data docking.

Intelligent paper pressing function: The return height of the paper press can be automatically adjusted according to the height of the paper stack, minimizing the idle stroke of the paper press. This feature makes it highly suitable for items with limited cutting height.

Flexible paper pressing function: Before corner cutting, the paper press descends slowly, ensuring that no impact indentation is left on the cut materials. It is particularly well - suited for cutting high - end printed materials such as carbon paper, bills, silk forging, and hollow packaging.

Equipped with a brand-new Smart-Touch human-machine interaction system and a newly designed cutting and positioning system, the comprehensive cutting performance has been significantly improved.

技术参数 Technical Parameters:

型号	QZYK-1370X1	QZYK-920X1
定位精度 Positioning accuracy	±0.025mm	±0.025mm
最大推纸器速度 Maximum pusher speed	24m/min	24m/min
触控人机界面 Smart-Touch system	15inches	15inches

数据分辨率 Data resolution	0.01mm	0.01mm
可编程容量 Programmable capacity	200 组 200 sets	200 组 200 sets
最大裁切宽度 Maximum cut width	1370mm	920mm
最大裁切深度 Maximum cutting depth	1450 mm	920 mm
最小裁切深度 Minimum cutting depth	25mm	20mm
最大裁切高度 Maximum cutting height	165mm	120mm
最大裁切速度 Maximum cutting speed	45 次/分钟 45 cuts/min	45 次/分钟 45 cuts/min
最大裁切压力 Maximum cutting pressure	45KN	35KN
机器净重 Net weight	5000kg	3000kg
节能主电机功率 Energy-saving main power	1.5KW	0.75KW
机器尺寸 Overall Dimensions	2585×1655×1980 mm	2005×1505×1980 mm
电压&频率 Voltage & Frequency	380V, 50Hz/400V,60Hz	380V, 50Hz/400V,60Hz
整机噪音 Noise	≤80 分贝 ≤80 dB	≤80 分贝 ≤80 dB

6. SF-720C 半自动预涂膜覆膜机



设备特点:

- ◆ 机器分体结构，方便保养维修;
- ◆ 大直径辊筒+导热油加热，覆膜压力大，覆膜温度均匀
- ◆ 叠纸定位系统，连续送纸不堵车;
- ◆ 甩刀打孔系统，可在薄膜边缘打孔;
- ◆ 气动分切系统：具有分切稳定，速度快等特点
- ◆ 瓦楞曲纸输出+震动收纸台，自动对齐纸张。

Features:

- ◆ Separate design: Safer operation, easier maintenance and simpler use.
- ◆ Large diameter chrome roller+conduction oil heating: Large lamination pressure, even and constant temperature.
- ◆ Automatic sheets overlap regulator: Adjust overlapped length of sheets to ensure continuous feed.
- ◆ Swing knife: Make a short cut at the sheet web edge to help with further sheeting.
- ◆ Pneumatic sheeting system: Stable and fast sheeting.
- ◆ Corrugated belts delivery system+Vibrating jogger table to collect sheets in a neat pile.

技术参数 Technical Parameters:

机器型号 Model	SF-720C	SF-920C
最大覆膜纸张 MaxPaper Size	720mm	920mm
纸张厚度	100-500g/m2	100-500g/m2

Paper Thickness		
覆膜速度 Laminating Speed	0-30m/min	0-30m/min
功率 Gross Power	18 kw	19 kw
机器重量 Total Weigth	1700 kgs	1900 kgs
外形尺寸 Overall Dimensions	4600*1560*1500mm	4600*1760*1500mm

7. ZK320 自动书籍勒口机 Automatic book flapping machine



设备特点 Features:

ZK320 自动书籍勒口机的主要功能是将上封装订后的书本按尺寸裁切前口、封面压痕、折页，从而完成书封前口裁切和书封折页工序。该机操作简单，调整方便，简化了装订工序。

ZK320 Book flapping machine is mainly designed for paperback(of the book cover binding finished) ,to complete the procedure of book block front cutting, book cover creasing and folding .This machine simplifthe binding process ,easy to operate and adjustment.

技术参数 Technical Parameters:

书本最大幅面(mm) Max.book size(mm)	320*240
书本最小幅面(mm) Min.book size(mm)	150*105
书本最大厚度(mm) Max.book thickness(mm)	40
书本最小厚度(mm) Min.book thickness(mm)	6
书封折页宽度最长(mm)Max.coverfolding width(mm)	160
书封折页宽度最小(mm) Min.cover folding width(mm)	40
机械最高速度 Max.mechanical speed	55 本/分 55books/min
整机功率 Power	4KW
外形尺寸(mm) Overall dimensions(mm)	3060*1450*1606
重量 Weight(KG)	2400
电压 Voltage(V)	380V
气压 Pressure	0.5Mpa

8. SF728-L 自动塑封机 Automatic Plastic Sealing Machine



设备特点 Features:

SF728-L 型全自动塑封机适用于各类产品的收缩包装。本机由 ZS330 送书台，SF728-L 全自动封口包装机，T60 热循环收缩炉，TS-450-1500 收书台共四部分组成，该产品组合能充分降低劳动成本，提高生产效率。

The SF728-L automatic plastic sealing machine is suitable for the shrink-wrapping of various products. This machine consists of four parts: the ZS330 automatic loading/unloading conveyors, the SF728-L automatic sealing and packaging machine, the T60 thermal-cycle shrink furnace, and the TS-450-1500 book-collecting table. This product combination can effectively reduce labor costs and improve production efficiency.

技术参数 Technical Parameters:

最大封口尺寸(mm) Max.sealing size(mm)	(L)450*(W)350*(H)120	整机功率 Power	14KW
最小封口尺寸(mm) Min.sealing size(mm)	(L)100*(W)60*(H)5	电压 Voltage(V)	380V
整机外形尺寸(mm) Overall size(mm)	(L)6000*(W)935*(H)1615	气压 Air pressure	0.6Mpa
机械速度 Vechanical speed	0-30pcs/分 0-30pcs/min	机器重量(kg) Machine weight(kg)	1200kg

9. QS100C 半自动程控三面切书机 semi-automatic programmed three-sided book cutter



设备特点 Features:

QS100C 程控半自动三面切书机是本公司生产的第三代三面切书机，这是倾注大量心血和研发费用 的结果，志在提升机器的精度、可靠性和效率。该机可在裁切小批量裁切时灵活换版，调试方便快捷。

The QS100C program-controlled semi-automatic three-knife trimmer represents the third generation of our company's three-knife trimmer series, developed through significant research efforts and substantial R&D investment to enhance cutting accuracy, operational reliability, and production efficiency. This machine offers flexible version adaptation for small-batch processing while maintaining convenient and rapid debugging capabilities

技术参数 Technical Parameters:

最大裁切尺寸(mm) Max.Cutting Size (mm)	420*300	最高裁切速度(times/m) Cutting Speed (times/m)	28
最小裁切尺寸(mm) Min.Cutting Size(mm)	80*80	机器最大功率(KW) Max.machine power (KW)	7
最大裁切高度(mm) Max.Cutting Height mm)	100	气压(Pu) The pressure (Pu)	6
最低裁切书本高度(mm) Min.Cutting BOOK Height(mm)	8	外形尺寸(mm) Overall Dimension (mm)	2800*2350*1700

最小单体裁切高度(mm) Min.Single Cutting Height(mm)	5	机器净重(KG) Machine Weight(Kg)	about 2800
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10. SCM500A 精装书本皮壳机 Semi Auto Case Maker



设备特点:

适用于各种笔记本，照片书（相册）、文件夹、证书、精装书的书壳进行包边压平，可同时包两边，分两次完成，一人操作，简捷，占地空间小，是印后特别是数码印后的好搭档。

- ◆ 飞达自动送板、脚踏开关气动
- ◆ PLC 操作系统
- ◆ 用热熔胶、白胶
- ◆ 调机速度快

Features:

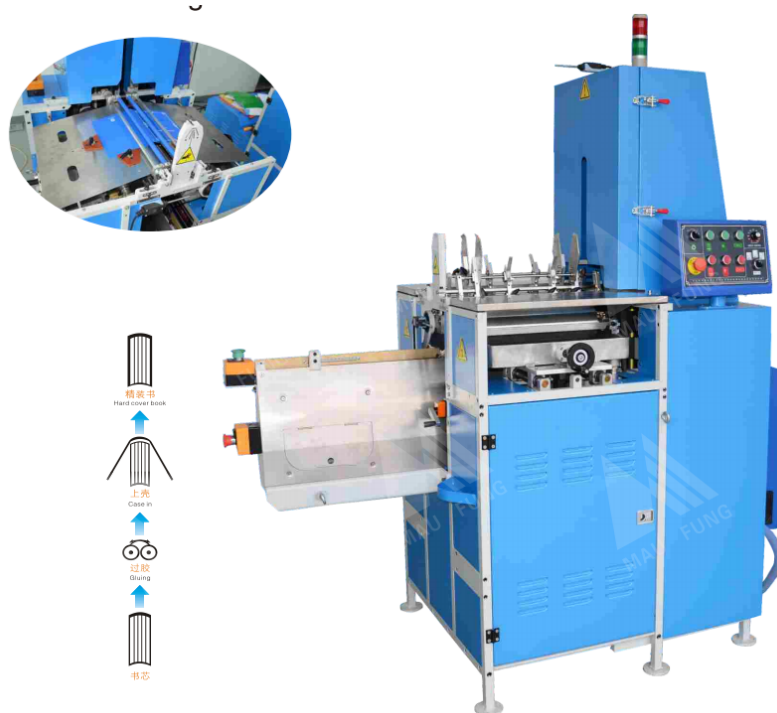
This machine is mainly applied in covering and pressing various notebooks, photo books (photo albums), folders, certificates, and hardcover books. This process is finished easily at twice on both sides simultaneously by one operator. It is the good partner of post-press, especially the digital post-press

- ◆ Auto cardboard feeding system; Pneumatic foot switch
- ◆ Adopting PLC operating system
- ◆ Use hot glue and cold glue
- ◆ Quick adjustment

技术参数 Technical Parameters:

型号 Model	SCM500A
工作速度 Work Speed	1-3 本/分钟
皮壳张开最大尺寸 Open Book Case Size(max)	780×430mm
皮壳张开最小尺寸 Open Book Case Size(min)	140×140mm
灰板厚度 Paperboard ThicknessHard	1-4mm
中心条最小宽度 Case Spine Width(min)	8mm
纸张厚度 Cover Material Thickness	80-200g
电 源 Power Supply	380V/220V,50HZ,3PH
整机功率 Mainframe Power	5.2kw
外形尺寸 Machine Dimensions(L×W×H)	1780×1620×1400mm
机器重量 Machine Weight	500kg

11. SKJ380AS 精装书本上壳机 Hard Cover Book Casing-In Machine



设备特点 Features:

解决了书芯上壳困难、费时的问题。不仅能够克服上胶不均匀的缺点，更能提升上胶的速度（一次两面，皮壳的定位简单，对产品的一致性更高。

This version is specially designed for round back books. It solves the problems of difficulty and time-consumption in the round back book finishing process. It not only eliminates the shortage of unbalanced gluing, but also improves the gluing speed (both sides simultaneously). It provides quick and precise positioning of hard cases and perfect alignment between book blocks and cases

技术参数 Technical Parameters:

型号 Model	SKJ380AS	SKJ560
工作速度 Work Speed	0-17pcs/min	7-10pcs/min
上壳最大尺寸 Block Size(Max)	360×300mm	560×450mm
上壳最小尺寸 Block Size(Min)	90×60mm	90×60mm

书芯的厚度 The Book Block Thickness	4-60mm	4-80mm
电 源 Power supply	380V/220V,3 相 50HZ	380V/220V,3 相 50HZ
整机功率 Mainframe power	1.5kw	1.5kw
外形尺寸 Machine Dimensions(L×W×H)	1820×930×2100mm	2200×900×1950mm
机器重量 Machine Weight	540kg	580kg

12. PCM380EV 精装书本压平压槽机 Book Pressing & Creasing Machine



设备特点 Features:

精装书本压平压槽成型一体机（压书机）是一种简易而有效的对精装书本进行压平压槽同时进行的一种设备，此机在精装书上书壳之后，一人可轻松操作，简易变换工作尺寸使得精装书本压平压槽一体操作作为各种装订书本之首先设备。

This model is an easy-operated and efficient equipment for pressing and creasing hard cover books at one time. This machine needs only one operator and is easy to adjust the size. This model is the first choice for hard book pressing and creasing.

技术参数 Technical Parameters:

型号 Model	PCM380EV	PCM560EV
最大压平面积 Max Pressing Size	360×300mm	550×450mm
书芯最大厚度 Max Block Thickness	60mm	80mm
最大压力 Max Pressure	2T-5T	2T-5T

电 源 Power Supply	380V/220V,3PH,50HZ	380V/220V,3PH,50HZ
整机功率 Power	2.5kw	2.8kw
外形尺寸 Machine Dimensions(L×W×H)	930×620×1540mm	940×900×1530mm
机器重量 Machine Weight	400kg	450kg

耗材

1. 绿色环保型热熔胶 Green hot-melt adhesive

产品特点 Features:

我公司生产绿色环保型印刷装订书刊热熔胶，封箱包装热熔胶，吸管胶，鞋材热熔胶，冰箱热熔胶，热熔胶棒，地毯背胶等。产品具有快速粘接、耐老化、强度高、热稳定性好、无毒害等优点，广泛用于无线胶订、自动化封箱，饮料吸管粘接，电子电器、工艺品、玩具、家具等领域，公司与多家科研机构建立了紧密的战略合作关系，质量达到先进水平，产品已销往全国 30 多个省市地区，并出口到东南亚多个国家和地区。

本产品以 EVA (乙烯-醋酸乙烯共聚物)、树脂、石蜡、等为主要原料，辅以一定量的其他添加剂、助剂，经特定的工艺加工而成。它具有粘着力强、浸润性好、抗拉强度高、固化速度快等特性；并具有无毒、无污染、宜保存等优点，是理想的书刊装订胶粘剂。

Our company produces green environment-friendly hot melt adhesive for printing and binding books, sealing and packaging hot melt adhesive, straw adhesive, shoe material hot melt adhesive, refrigerator hot melt adhesive, hot melt adhesive stick, carpet back adhesive and so on. Our products feature rapid bonding, aging resistance, high strength, good thermal stability, and non-toxic properties, making them widely used in wireless binding, automatic sealing, beverage straws bonding, electronic appliances, crafts, toys, furniture and other fields. The company has established close strategic cooperative relationships with a number of scientific research institutions, and our product quality has reached advanced levels. Our products have been sold to more than 30 provinces and cities across the country, and exported to many countries and regions in Southeast Asia.

This product is mainly made of EVA (ethylene-vinyl acetate copolymer), resin, paraffin, etc., supplemented by a certain amount of other additives and auxiliary agents, and processed by a specific process. It has strong adhesion, good wetting, high tensile strength, and fast speed; and it is non-toxic, pollution-free, and easy to store, making it an ideal adhesive for book binding.

技术参数 Technical Parameters:

	DFX-1A	LY-A	LY-B	LY-C	LY-C1	DFX-1C
外观 Appearance	白色片状 White flake	白色片状 White flake	白色片状 White flake	白色片状 White flake	微黄片状 slightly yellow flake-like	白色片状 White flake
熔融粘度 Melt viscosity (mPa.s)	5000±500	5000±500	5000±500	5000±500	1800±500	1800±500
邵氏硬度 Shore hardness (23°C)	≥86	≥84	≥86	≥84		

软化点 softening point (°C)	≥80	≥78	≥80	≥78	76±2	76±2
固化时间 soliding time (S)	3-5	4-6	3-5	4-6	4-6	4-6
建议使用温度 Suggested temperature (°C)	155±5	155±5	155±5	155±5	150±5	150±5

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