QZFM-700/900

Automatic Case Making & Inner Laminating Machine

全自动精装封面联动线

Finish four-side folding and inner paper laminating at one time， Latest technology，National initiative

四面包边及贴内衬纸一次完成，最新工艺，国内首创

QZFM-700/900 Automatic Case Making & Inner Laminating Machine is our main product through the market survey and research in a long period time. It intergates our years of experience in manufacture and high-tech to meet the requirement of domestic and foreign customers. QZFM-700/900 Automatic Case Making & Inner Laminating Machine can establish a production line with an inner laminating machine so as to reduce the production period. QZFM-700/900 Automatic Case Making & Inner Laminating Machine satisfies customers' requirement of high quality, high accuracy, high speed and low labor during production.

QZFM-700/900 Automatic Case Making & Inner Laminating Machine adopts PLC control, servo drive system, photo sensor detect system, servo correction positioning system as well as some of new technology. It integrates with many processes such as paper feeding, gluing, board feeding, photo sensor detecting, Servo positioning, flattening and folding. It can be applied for high volume packaging material production of moon cake, tea, cell phone, underwear, handcraft products, cosmetics, folder, calendar, hard cover books and so on. It provides the efficient production solution for those products.

QZFM全自动精装封面联动线是我公司经过长时间的市场调研与探索，集多年生产精装封面设备的丰富经验，综合国内外市场的未来发展需求，精心组织科研攻关，倾力打造的一款集生产精装封面与贴内衬纸等多种功能于一身的全自动联动线，填补了该类产品的市场空白，满足了客户对高精度、高速度、高智能、用工少的实际需求，使精装封面设备的发展进入了一个崭新的里程。

QZFM全自动精装封面联动线采用PLC控制、伺服传动、光电检测、伺服纠偏等最新科学技术，自动完成面纸输送进给、表面涂胶、纸板进给、光电检测误差、伺服纠偏定位、压角、四面包边等工序，生产出精装封面，并将生产好的精装封面通过中间传递机构送入贴内衬机，与此同时，贴内衬机自动完成内衬纸输送进给、表面涂胶、精装封面输送进给、光电检测误差、伺服纠偏定位、内衬纸贴合、表面整平等工序，将内衬纸与精装封面贴合。该联动线是广大印刷包装企业大批量生产：月饼盒、茶叶盒、手机盒、内衣盒、工艺品盒、化妆品盒等外包装产品以及生产文件夹、台历、精装书封面等最全面的解决方案。

MAIN SPECIFICATION 主要技术参数

	Model	型号	QZFM-700	QZFM-900
	Maximum size	最大产品尺寸	450mm×700mm	450mm×900mm
	Minimum size	最小产品尺寸	140mm×240mm	140mm×240mm
	Board thickness	纸板厚度	1.0-3.0mm	1.0-3.0mm
	Paper thickness	面纸厚度	100-200g	100-200g
	Speed	生产速度	15-25Pieces/min	15-25Pieces/min
	Power supply	整机功率	30KW	32KW
	Dimension (LxWxH)	外型尺寸	13000×3500×1850mm	15000×3500×1850mm
	Weight	整机重量	6500kg	8000kg
	Boards amount	纸板数量	1-3Pieces	1-3Pieces

MAIN CONFIGURATIONS 主要配置

Japanese Panasonic PLC, Frequency converter, Temperature controller
日本松下PLC、变频器、温控仪

Japanese Panasonic servo motor
日本松下伺服电机

Korean NSK moto unit
韩国NSK运动单元

Taiwan HIWIN linear slideway
台湾上银直线导轨

Japanese CKD pneumatic element
日本CKD 气动元件

German SICK photosensor
德国施克光感元件

Advanced wear-resistant automotive transmission shaft
高级耐磨汽车传动软轴

Schneider electric
法国施耐德电气

Taiwan DLEE DC motor
台湾爱德利直流电机

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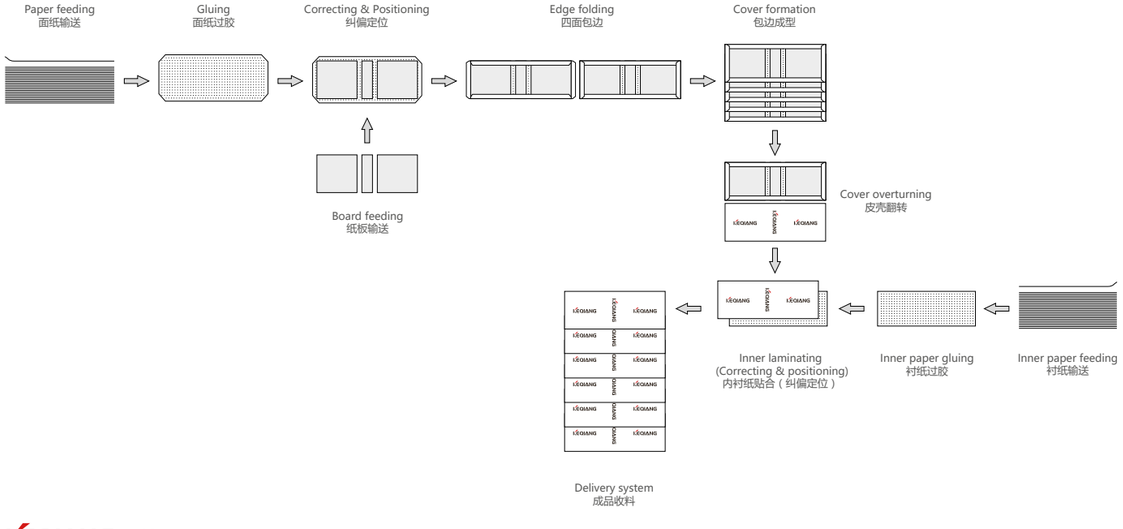
PROCESS FLOW 机器工艺流程

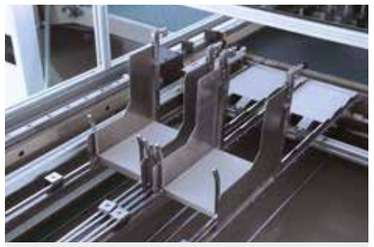


1 Paper Feeder 送纸系统（面纸）

The unique double sheets detection system avoids and solves two or more sheets feeding problem.
独有的机械式后吸飞达及双张检测控制装置，有效解决了送纸双张及多张的问题。

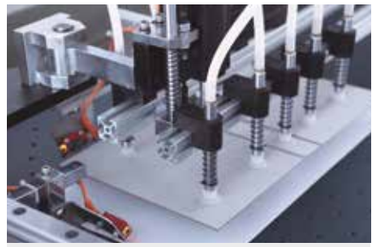
2 Gluing Uint 上胶系统

Paper conveying structure with automatic constant temperature heating function to prevent roller sticking paper caused by water vaper.
面纸输送机构带自动恒温加热功能，防止送纸辊固水蒸汽粘连纸张而送纸不畅。



3 Board Feeding System 纸板输送系统

Cardboard feeding mechanism applies Japanese Panasonic servo system, which is not only high precision, fast, but also reliable. Enhanced the board changing efficiency with the reasonable and humanized design.
纸板送料机构采用松下伺服传动系统，不但精度高，速度快，而且稳定可靠。气动调节板间距机构，使得机器换板效率大幅提高。



5 Platform-based Folding System 平台式折边系统

The mechanical edge folding technology is to complete the four-side folding in one plane, which reduces the scratches and make the product nice and artistic.
采用皮带与机械翻板结合的包边结构，在同一平面完成四边包边工艺，减少了产品表面摩擦，使得成品美观漂亮

4 Photo Sonsor Positioning System 光电定位系统

Three-print photoelectric detecting and servo positioning system, correcting system, enables to enhance the accuracy of the lamination of board and paper.
三点自动光电纠偏、伺服定位装置，能迅速有效地将纸板与面纸精确复合，定位精度高，彻底解决了精品包装图案偏差的历史难题

6 Paper Feeder(Inner paper) 送纸系统（衬纸）

The unique double sheets detection system avoids and solves two or more sheets feeding problem.
独有的双张检测控制装置，有效解决了双张及多张的问题。

8 Photo Sonsor Positioning System 皮壳纠偏定位系统

Automatic three-print photo sensor position correcting system, which is able to enhance the accuracy of the lamination of cover and inner paper.
三点自动光电纠偏、伺服定位装置，能迅速有效地将已包好边的皮壳与内衬纸精准复合。

7 Gluing Uint (Inner paper) 衬纸上胶系统

Pneumatic motor mechanism stir the glue to avoid the glue solidification and burn out the motor.
采用气动马达机构均匀搅拌胶水，避免了因胶水凝固而烧坏电机现象的发生

9 Delivery 收料系统

Automatic products delivery system, reduces the labor greatly.
成品自动收料系统，大大减小了操作人员的劳动强度