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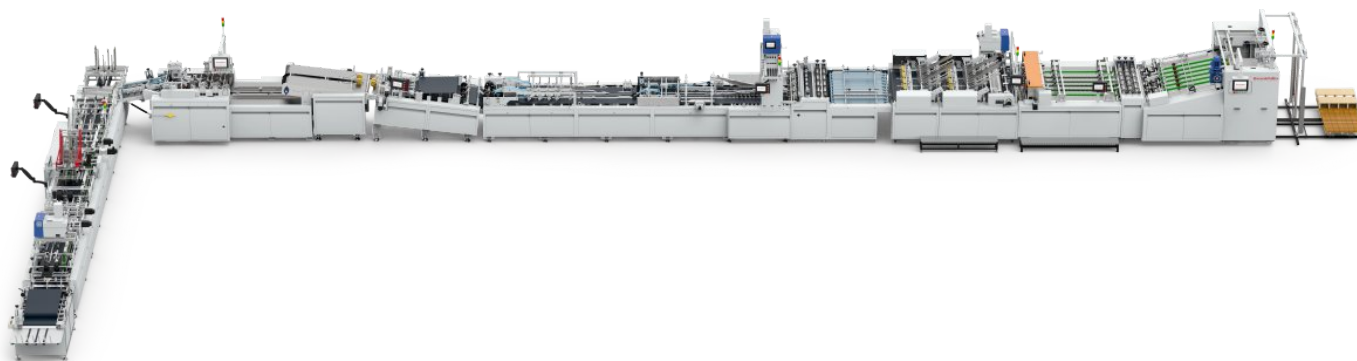


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CMAL1400-2SP-4C-R

Fully Automatic Luxury Paper Bag Production Line With Two Sheets /
Single Sheet Feeding Four Top Cards Pasting One Bottom Card Placing

全自动单张/双拼带头卡底卡纸袋生产线L型



目录

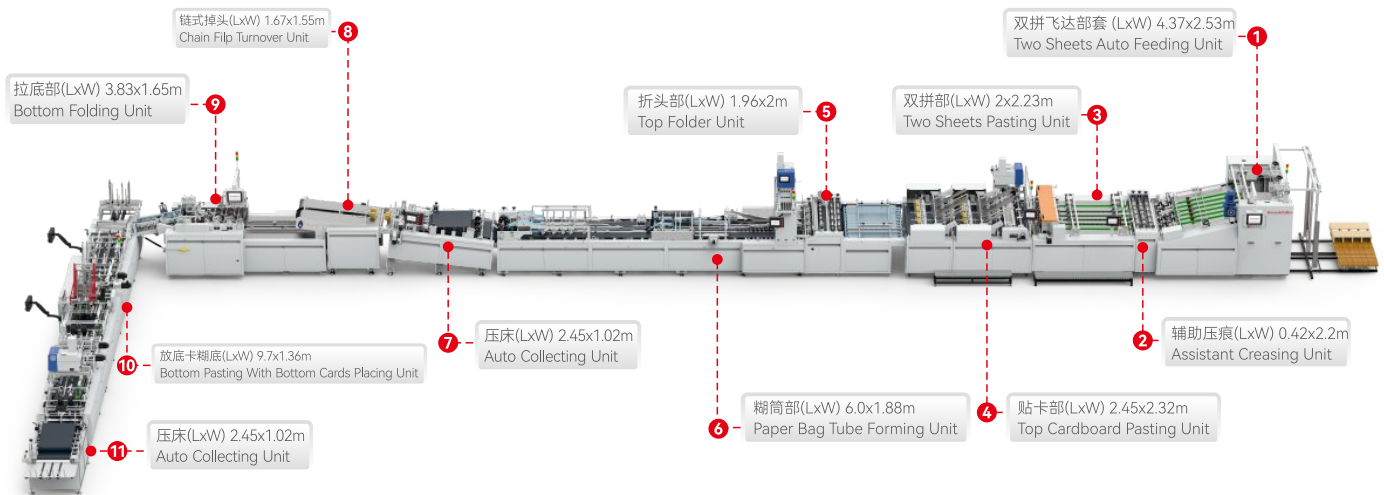
Contents

机器名称图片 Machine Name Image	3
工艺流程图 Process Flowchart	3
机器说明 Machine Description	4
机器特点 Machine Features	4
参数示意图 Sheet Paper Data	5
主要技术参数 Technical Data	6
设备占地规划 Machine Floor Plan	6
核心配件 Core Accessories	7

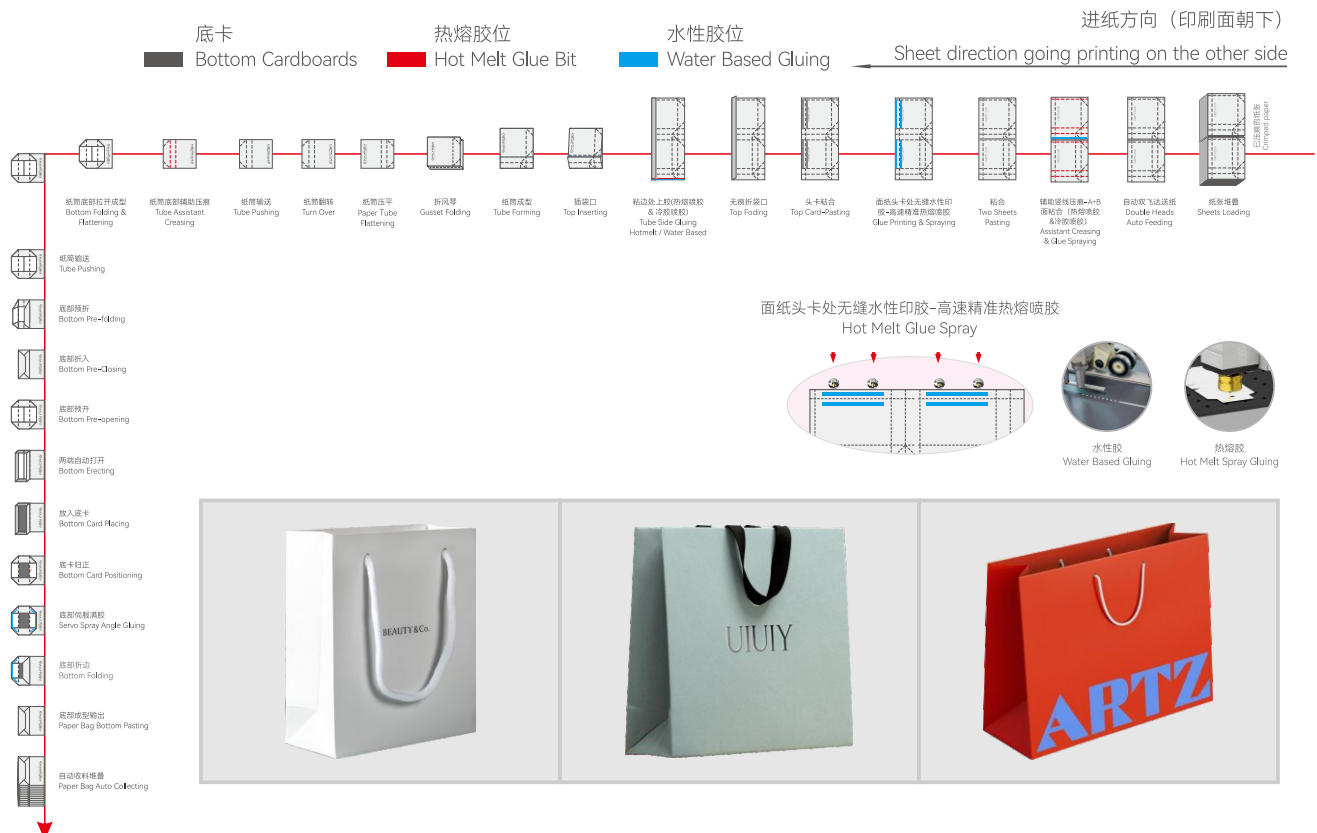
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工艺流程图 Process Flowchart





机器说明 Machine Description

全自动双拼纸袋机是一款集高效与高度自动化于一体的纸袋生产设备，专为满足双拼结构纸袋的生产需求而设计。该设备凭借其广泛的应用领域，如奢侈品、服装、礼品及购物纸袋等，展现了强大的市场适应性。

通过采用双拼成型技术，高速、高精度生产工艺以及智能化控制系统，实现降低成本、提升效率和优化质量。其模块化设计理念使得设备能够灵活应对不同生产需求，同时环保特性也符合当前绿色生产的趋势，成为传统纸袋生产设备升级换代的首选方案。

The Fully Automatic Double-Ply Paper Bag Machine is a highly efficient and fully automated paper bag production equipment, specifically designed to meet the manufacturing requirements of double-ply structured paper bags. With its wide range of applications in industries such as luxury goods, apparel, gifts, and shopping paper bags, the machine demonstrates strong market adaptability.

By employing double-ply forming technology, high-speed and high-precision manufacturing processes, and an intelligent control system, it effectively reduces production costs, enhances operational efficiency, and optimizes product quality. Its modular design concept allows for flexible adaptation to various production demands. Moreover, its environmentally friendly features align with the current trend of green manufacturing, making it the preferred solution for upgrading traditional paper bag production equipment.

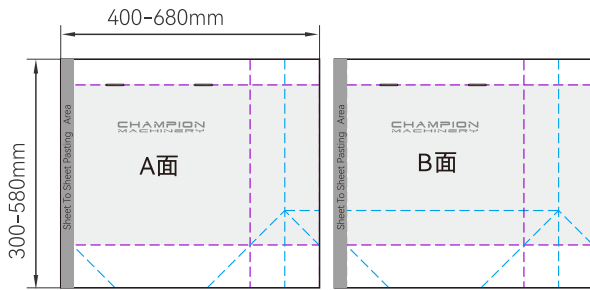
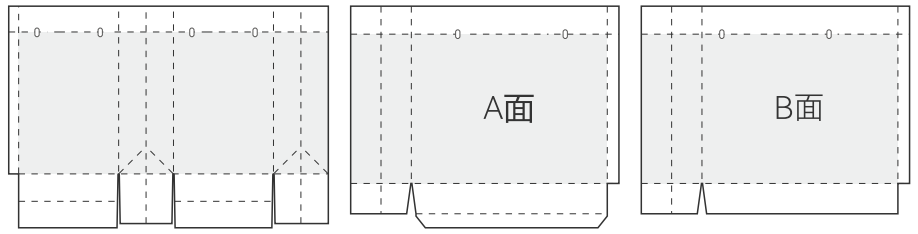
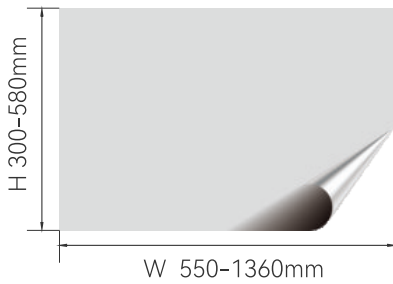


机器特点 Machine Features

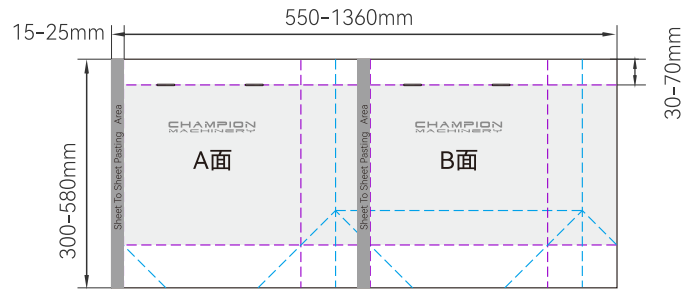
- 1. 拼接技术:** 采用自主研发的双拼技术，确保纸袋尺寸精准，成型良好。可将两张较小尺寸的纸袋拼接成一个大尺寸的纸袋，无需额外购买大型设备和材料，大幅降低生产成本和投资。
 - 2. 高效自动化:** 该设备实现了全自动化操作流程，从原材料到成品袋一次性完成生产过程，包括自动拼袋、贴头卡、成筒、折风琴、拉底、贴底卡、涂底胶、袋底成型、成品袋整理等。
 - 3. 智能控制:** 主控电路采用进口单片机，人机界面，变频控制，参数设定方便快捷，操作集中直观，完全实现人性化的全自动运行控制。数字化故障自诊断功能，故障诊断一目了然，方便快速维护和调整。
 - 4. 降低人工成本:** 自动化程度高，只需一人即可完成整个生产流程，可减少3-5人的人工成本及中间搬运环节。简单易学，节省人工成本，更加人性化。
 - 5. 耐用维护便捷:** 双变频设计，机械结构简洁，磨损小，维护方便，使用寿命长。
 - 6. 关键部件:** 整机核心部件均采用知名品牌，性能稳定、高效耐用。
 - 7. 环保材料:** 粘合工艺多采用环保水性胶和热熔胶，符合食品包装安全标准，设备结构便于清洁维护，减少废弃物产生。
 - 8. 材料适应:** 支持多种纸张材质（120-350g/m²），包括牛皮纸、白卡纸、铜版纸等。
- 1. Splicing Technology:** Utilizing independently developed double-splicing technology, the machine ensures precise paper bag dimensions and precise shaping. It can splice two smaller paper bags into one large one, eliminating the need for additional large-scale equipment and materials, significantly reducing production costs and investment.
 - 2. Efficient Automation:** This machine features a fully automated process, completing the entire production process from raw materials to finished bags, including automatic bag splicing, header card application, tube forming, accordion folding, bottom pulling, bottom card application, bottom gluing, bottom forming, and finished bag finishing.
 - 3. Intelligent Control:** The main control circuit utilizes an imported single-chip microcomputer, a human-machine interface, and variable frequency control. Parameter setting is quick and easy, and operation is centralized and intuitive, achieving fully user-friendly, fully automatic operation. Digital fault self-diagnosis provides clear fault diagnosis at a glance, facilitating quick and easy maintenance and adjustments.
 - 4. Reduced Labor Costs:** With a high degree of automation, the entire production process can be completed by only one person, eliminating 3-5 labor costs and intermediate handling steps. Easy to learn, it saves labor costs and offers a more user-friendly experience.
 - 5. Durability and Easy Maintenance:** The dual-frequency design features a simple mechanical structure, minimal wear, easy maintenance, and a long service life.
 - 6. Key Components:** All core components of the entire machine utilize renowned brands, ensuring stable performance, high efficiency, and exceptional durability.
 - 7. Environmentally Friendly Materials:** The bonding process primarily utilizes environmentally friendly water-based and hot-melt adhesives, meeting food packaging safety standards. The machine structure is easy to clean and maintain, reducing waste generation.
 - 8. Material Compatibility:** Supports a variety of paper materials (120-350g/m²), including kraft paper, white cardboard, and coated paper.



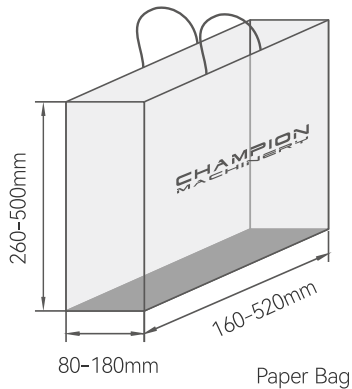
参数示意图 Sheet Paper Data



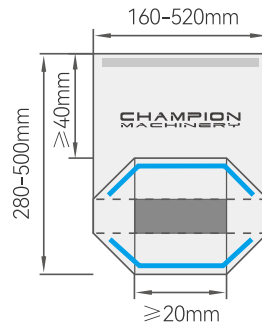
Before Pasting



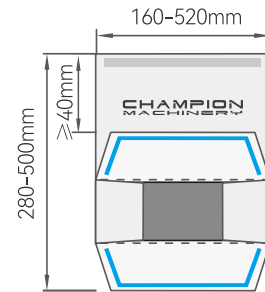
After Pasting



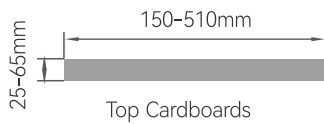
Paper Bag



Type Bag Bottom (1)



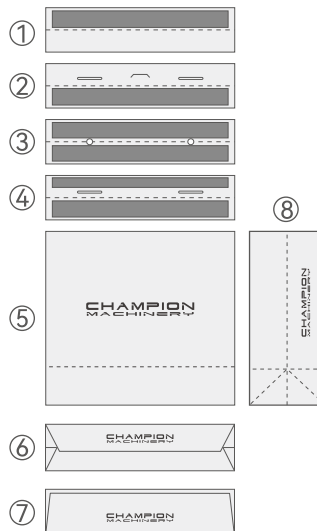
Type Bag Bottom (2)



Top Cardboards



Bottom Cardboards



- 1、纸板高于折叠线的位置
Position above top folding line
- 2、纸板位于折叠线以下
Position below top folding line
- 3、顶部粘贴4张相同尺寸的纸板
Top cardboard pasting 4 pcs same size
- 4、顶部粘贴4张不同尺寸的纸板
Top cardboard pasting 4 pcs different size
- 5、纸袋
Paper bag body
- 6、纸袋底型 (1)
Paper bag bottom type
- 7、纸袋底型 (2)
Paper bag bottom type
- 8、纸袋风琴
Paper bag gusset

Figure 1: Layout of the experimental setup. The diagram shows a rectangular layout with dimensions 29.8m (width) and 11.93m (depth). The layout includes a 'Start' area, a 'Paper Bag Task' area, a 'Paper Bag Task' area, a 'Paper Bag Task' area, a 'Paper Bag Task' area, a 'Paper Bag Task' area, a 'Paper Bag Task' area, and a 'Paper Bag Task' area. The layout is divided into sections by dashed lines, and the dimensions are indicated by arrows.



核心配件 Core Accessories



SynMatic

运动控制系统
伺服电机/伺服驱动/变频器
SIMOTION
Servo motor/servo drive/frequency converter

安驰 中国
SynMatic China



SynMatic

总线控制
BUS CONTROL

安驰 中国
SynMatic China



FOTEK

编码器/接近开关
热过载继电器接触器
ENCODER/PROXIMITY SWITCH
Thermal overload relay contactor

阳明 台湾
FOTEK Taiwan



KEYENCE

主光电眼/光纤
MAIN OPTICAL EYE/FIBER

基恩士 日本
Keyence Japan



繁易
FLEXEM

触摸屏
TOUCH SCREEN

繁易 中国
FLEXEM China



亞德客
AIRTAC

电磁阀
SOLENOID VALVE

亚德客 台湾
AirTAC Taiwan



CPG

减速机马达
REDUCER MOTOR

晟邦 台湾
Shengbang CPG Taiwan



SIEMENS

主马达
MAIN MOTOR

茵梦达 德国
Innomotics Germany



ORION

真空泵
VACUUM PUMP

好利旺 日本
ORION Japan