

Beli Chan

Sales Manager

M: +86 139 2586 8276

WhatsApp: +86 139 2586 8276

E-mail: Beli@championbagmaker.com

MACHINERY MANUFACTURER OF LUXURY PAPER BAGS

CHAMPION MACHINERY MANUFACTURING CO.,LTD.

Add: 42#2and Longyan Industrial Avenue, Humen Town Dongguan City, China PR
Website: www.paper-bag-machine.com

CHAMPION
MACHINERY



Coffee Gong

Sales

M: +86 186 8118 5198

WhatsApp: +86 134 2327 5528

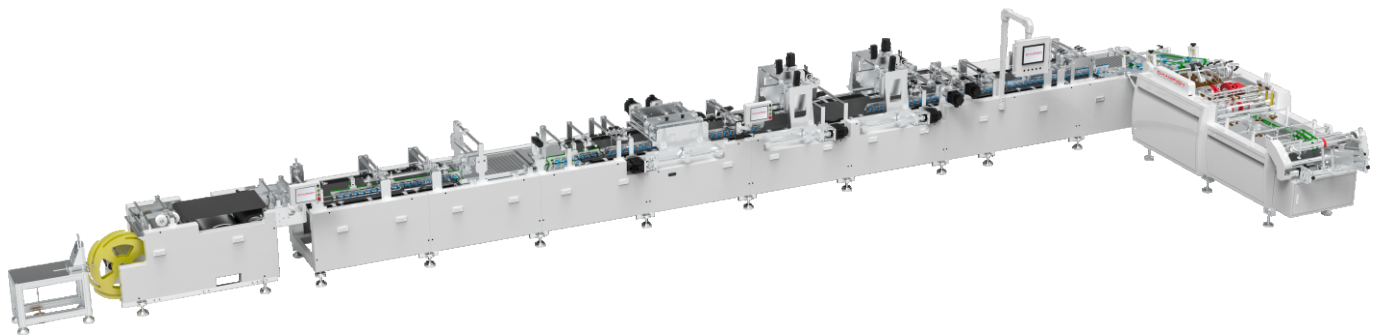
E-mail: sales8@championbagmaker.com

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CMBM-320WP

ECO -BAG No Leake Airplane / Train / Bus / Waste
Paper Bag Machine

环保航空呕吐袋底部生产线L型

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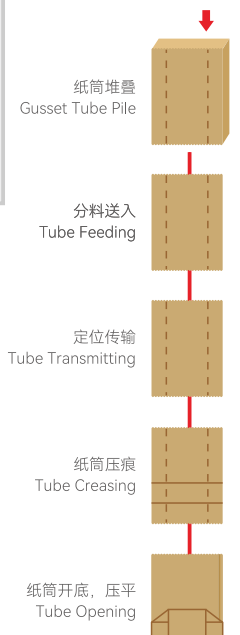
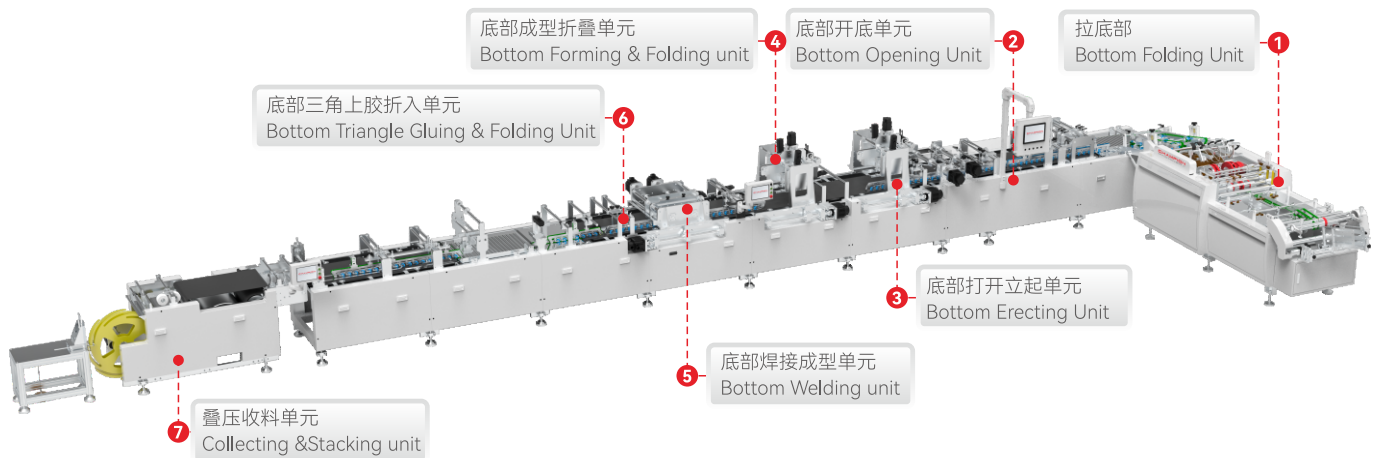
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CMBM-320WP

ECO -BAG No Leake Airplane / Train / Bus / Waste Paper Bag Machine

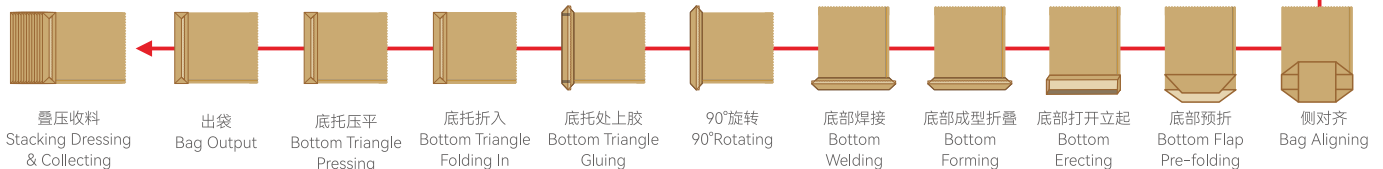
环保航空呕吐袋底部生产线L型



工艺流程图 Process Flowchart

热熔胶位 Hot Melt Glue Bit

进纸方向 (印刷面朝下) Sheet direction going printing on the other side





机器说明 Machine Description

袋底成型模块

吹气开底机构: 电磁阀控制前后吹气装置, 高压气体精准撑开袋底, 为折底工序预制六边形形态1。

热烫密封单元: 瞬时高温压合覆膜层, 形成密封边线, 防水防漏17。

智能控制系统

人机交互界面: 触摸屏集中控制, 实时显示故障警报及参数微调 (如温度、速度)。

PLC+光电检测: 光电传感器联动伺服电机, 实现无料停机、夹袋检测等功能。

多功能执行组件

夹持系统: 折口夹持板与袋口夹持板协同固定袋体, 振动装置压实内容物, 减少袋内空气。

阀口贴条机构: 自动粘贴加强底纸, 提升承重能力。

Bag Bottom Forming Module

Blowing Bottom Opening Mechanism: Solenoid valves control the front and rear air blowing mechanisms. High-pressure air precisely opens the bag bottom, performing a hexagonal shape for the bottom folding process.

Hot Sealing Unit: Instantaneous high-temperature lamination creates a sealed edge, ensuring water and leak resistance.

Intelligent Control System

Human-Machine Interface: A touchscreen provides centralized control, displaying real-time fault alerts and allowing fine-tuning of parameters (such as temperature and speed).

PLC + Photoelectric Detection: A photoelectric sensor coupled to a servo motor enables functions such as no-material shutdown and bag clamping detection.

Multifunctional Actuator

Clamping System: The folding and bag opening clamping plates work together to secure the bag. A vibration mechanism compacts the contents and reduces air in the bag.

Valve Tape Mechanism: Automatically applies reinforced liner paper to improve load-bearing capacity.



机器特点 Machine Features

无缝生产链: 集成上料、开底、折底、贴底等工序, 减少人工干预, 大幅提升效率。

六边形袋底成型: 前后高压吹气装置精准开底, 使袋底呈六边形结构, 结合热烫压合技术, 实现物理防漏。

动态调节机构: 折口夹持板配备间隙/高度调节模块 (限位块+伸缩杆), 兼容不同克重纸张。

吹气角度可旋转调节 (旋转杆+链轮传动), 避免气流偏移导致袋形歪斜。

节能设计: 自动润滑系统降低能耗, 变频电机牵引上料减少空转损耗。

覆膜纸袋专用: 支持覆膜牛皮纸、医用纸等防水材料, 热压覆膜层增强防渗性。

无胶水工艺: 替代传统胶粘侧边, 采用热烫成型, 杜绝侧边开裂风险。

Seamless production chain: The process of loading, opening the bottom, folding the bottom and sticking the bottom are integrated to reduce manual intervention and greatly improve efficiency.

Hexagonal bottom forming: Front and rear high-pressure air blowers precisely open the bottom, creating a hexagonal structure. Combined with hot-stamping technology, this system provides physical leak prevention.

Dynamic adjustment mechanism: The folding clamping plate is equipped with a gap/height adjustment module (limiting blocks + telescopic rod) to accommodate different paper weights.

The air blow angle is adjustable (rotating rod + sprocket drive) to prevent airflow deviation and bag shape distortion.

Energy-saving design: An automatic lubrication system reduces energy consumption, and a variable-frequency motor drives the material feeding process to reduce idling losses.

Specialized for laminated paper bags: Compatible with waterproof materials such as laminated kraft paper and medical paper, the hot-stamped lamination layer enhances impermeability.

Glue-free process: Instead of traditional gluing of the sides, hot-stamping is used to form the sides, eliminating the risk of cracking.



纸袋简介 / Brief Description

材料 Material

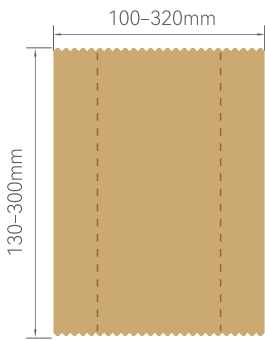
1. 淋膜纸 PE/PLA/PP/PCBA Coated Paper
2. 涂层纸 Water Based Coating Paper
3. 材料厚度 Material Thickness
纸基厚度 Paper Thickness: 50~100gsm
涂层/淋膜厚度 Coating Thickness: 10~30um
4. 纸袋尺寸 bag Sizes
袋宽 Bag Width: 100~320mm
袋高 Bag Height: 130~300mm
风琴 Gusset: 70~170mm
边封尺寸 Side Welding Margin: 15~30mm
底封尺寸 Bottom Welding Margin: 20~35mm
5. 适用胶水: Non-glue, Water Glue, Hotmelt Glue, Pur Glue



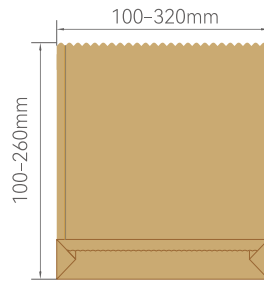
上机物料要求 / Machine Description

涂层/淋膜厚度均匀性: 均匀性误差须小于±3um
焊接熔化温度: 90~260°C

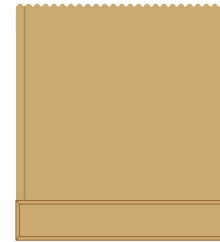
Coating thickness uniform: tolerance must be less than ±3um
Welding temperature: 90~260°C



纸筒
Tube



底部无贴底纸
Bottom Shape Without
Reinforcement



底部贴底纸
Bottom Shape With
Reinforcement



Plastic Free



Glue, Paper, Inks are
100% Compostable



Plant-Based
Non-GMO Lining Leak
Resistant



Sturdy Bag
Stands up on its own



D400
certified

D6868
certified



SUSTAINABLE
FORESTRY
INITIATIVE
Made in Canada

100% Compos Table Paper Bag Used For Kitchen Organic Waste

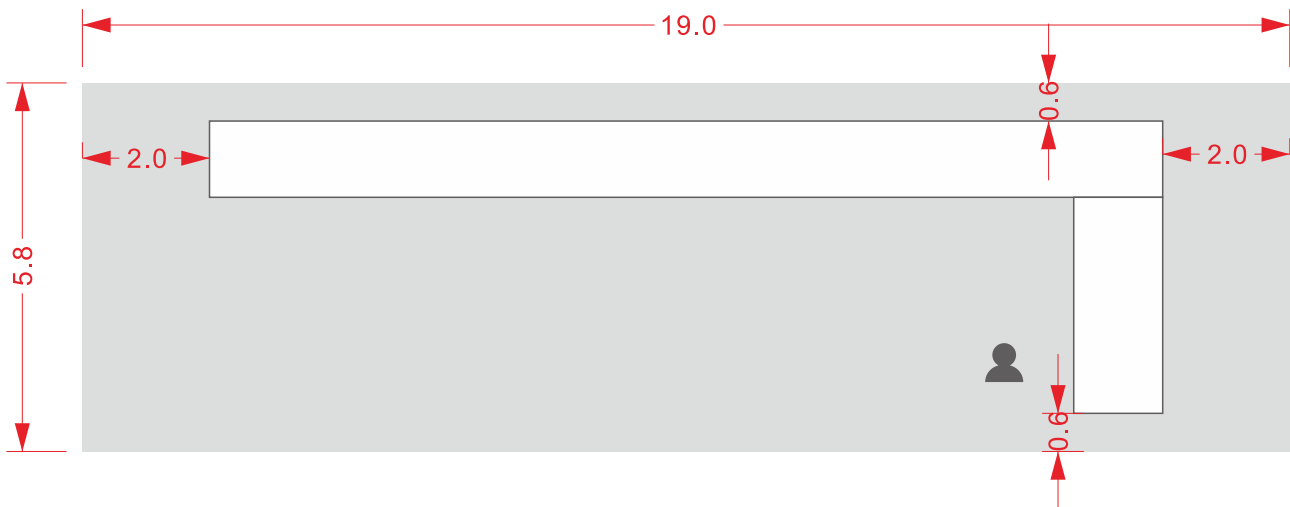


主要技术参数 TechnicalData

纸筒宽度	Tube Width	100-320mm
纸筒长度	Tube Length	130-300mm
风琴	Paper Bag Gusset	65-160mm
纸筒克重	Tube Thickness	50-140g/m ²
成品袋宽度	Bag Width	100-320mm
成品袋长度	Bag Length	100-260mm
生产速度	Speed	70pcs/min
总功率	Machine Power	380V / 50Hz 3Phase 选配220V
机器尺寸	Machine Size	15000x5000x1600mm
机器重量	Machine Weight	7000Kg
使用胶水	Applicable Glue	Non-glue, Water Glue, Hotmelt Glue, PUR Glue



设备占地规划 Machine Floor Plan





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



KEYENCE

总线控制
BUS CONTROL

基恩士 日本
Keyence Nippon



Honeywell

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

霍尼韦尔 美国
Honeywell US



KEYENCE

主光电眼/光纤
MAIN OPTICAL EYE/FIBER

基恩士 日本
Keyence Nippon



触摸屏
TOUCH SCREEN

威伦 台湾
WEINVIEW Taiwan



MAC

电磁阀
SOLENOID VALVE

MAC 美国
MAC US



CPG

减速机马达
REDUCER MOTOR

晟邦 台湾
Shengbang CPG Taiwan



SIEMENS

主马达
MAIN MOTOR

西门子贝德 德国
Siemens Bader Germany



ORION

真空泵
VACUUM PUMP

好利旺 日本
ORION Japan