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CM-YTB-41200

4 Colors High-speed Flexo Printing Machine

4色高速柔版印刷机

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CM-YTB-41200

4 Colors High-speed Flexo Printing Machine

4色高速柔版印刷机



生产技术 Production Technology





机器说明 Machine Description

本机适用于聚乙烯、聚乙烯塑料袋、玻璃纸、卷筒纸等包装材料的印刷，是生产食品纸包装袋、超市手提袋、背心袋、服装袋等理想的印刷设备。

This machine is suitable for printing such packing materials as polyethylene, polyethylene plastic bag glass paper and roll paper etc. And it is a kind of ideal printing equipment for producing paper packing bag for food, supermarket handbag, vest bag and clothes bag, etc.



机器特点 Machine Features

1. 智能化操作设计

自动控制: PLC编程控制，配备计米器设定印刷数量，自动停机/断料保护；

气动/液压起落版: 升降印版滚筒时自动启停油墨搅拌装置；

变频调速: 日本安川变频器，适应不同印刷速度需求。

2. 精密传墨与干燥系统

陶瓷网纹辊传墨: 网线数100-1000PLI（可选德国进口），墨色均匀且支持高清网点印刷；

双面干燥技术: 热风循环+冷风定型系统，分组控温防止油墨粘连。

3. 高稳定性结构

加厚铸铁墙板（75mm）与硬铬镀层导辊，跳动误差 $\leq 0.02\text{mm}$ ；

NSK轴承+ASNU铝合金导轮，经动/静平衡处理，减少机械振动。

4. 成本与环保优势

设备投资低: 价格仅为胶印/凹印机的30-50%；

水性油墨兼容: 无毒环保，符合食品包装安全标准。

1. Intelligent Operation Design

Automatic Control: PLC programming, equipped with a meter to set the print count, and automatic shutdown/end-of-print protection.

Pneumatic/Hydraulic Plate Lift: Automatically activates and deactivates the ink agitator when raising or lowering the plate cylinder.

Variable Frequency Drive: Japanese Yaskawa inverter to adapt to varying printing speeds.

2. Precision Ink Transfer and Drying System

Ceramic anilox roller ink transfer: Screen counts 100-1000 PLI (German import optional), ensuring uniform ink color and supporting high-definition dot printing.

Double-Sided Drying Technology: Hot air circulation + cold air setting system with grouped temperature control to prevent ink sticking.

3. Highly Stable Structure

Thickened cast iron wall panels (75mm) and hard chrome-plated guide rollers ensure a runout error of $\leq 0.02\text{mm}$.

NSK bearings and ASNU aluminum alloy guide pulleys are dynamically and statically balanced to reduce mechanical vibration.

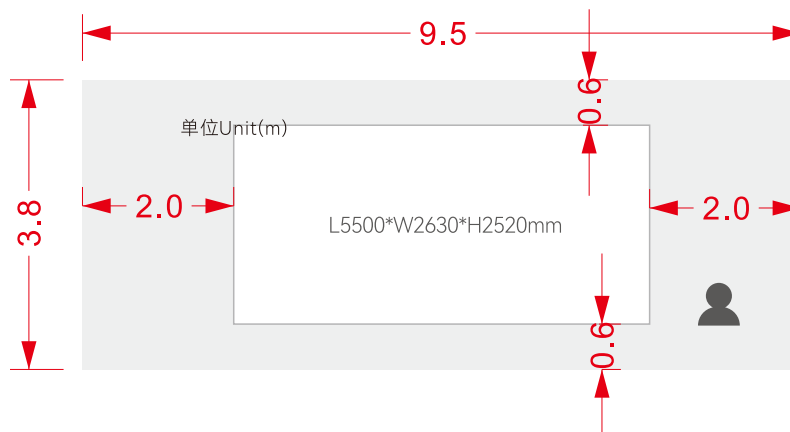
4. Cost and Environmental Advantages

Low equipment investment: The price is only 30-50% of offset/gravure printing machines.

Compatible with water-based inks: Non-toxic and environmentally friendly, it meets food packaging safety standards.

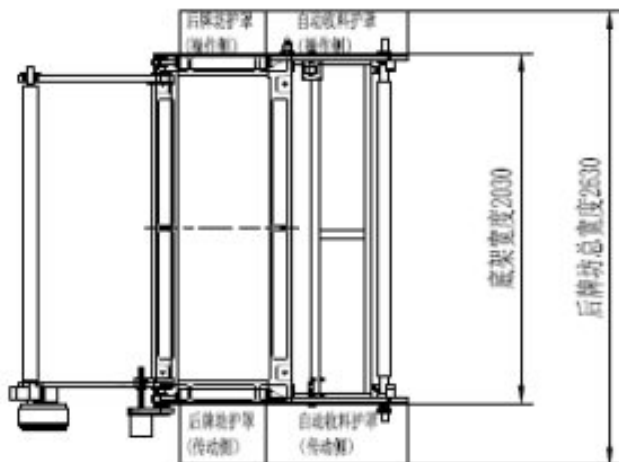
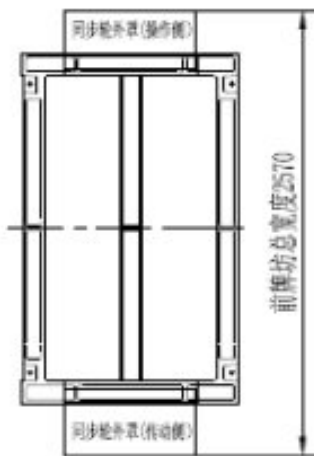
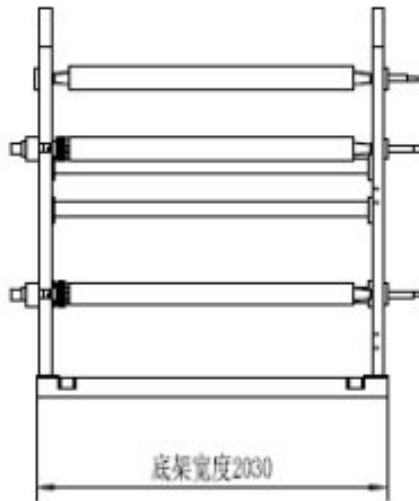
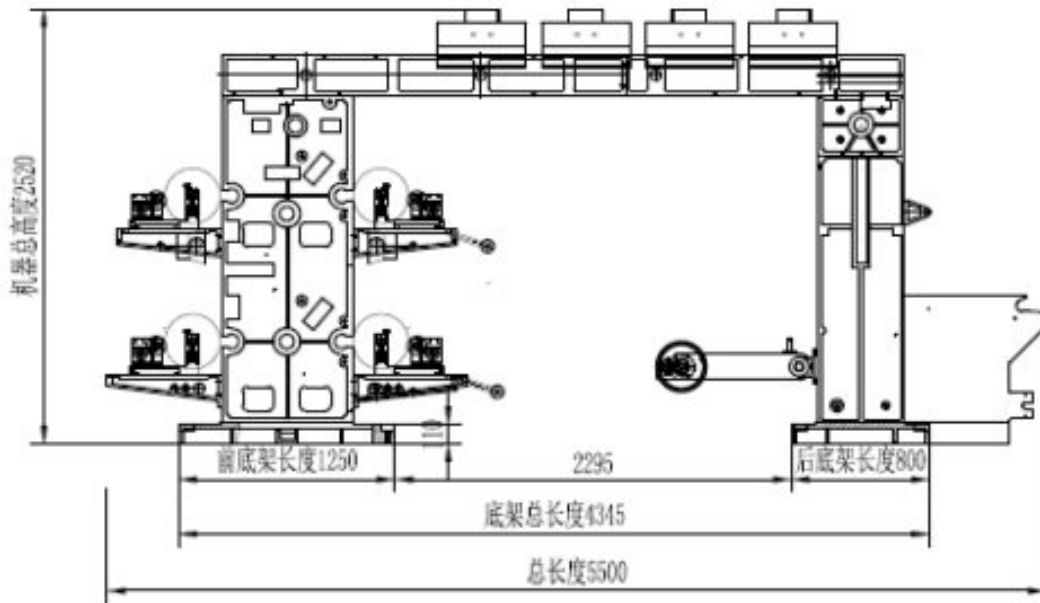


设备占地规划 Machine Floor Plan





产品尺寸图 Product Dimensions





主要技术参数 TechnicalData

纸张尺寸 Sheet Paper Size		
型号	Model	MC-YTB-41200
进料宽度	Material feeding width	1200mm
最大印刷宽度	Max Printing Width	1160mm
结构类型	Structure type	Stack type 堆叠式
材质	Material	paper 纸张
印版厚度	Thickness of plate	1.7mm 2.28mm.2.84mm. 3.94mm Customized is available 可定制
印刷长度	Printing length	300-1000mm(customized by client 客户定制)
最高机速	Maximum machine speed	100m/min
最高印刷速度	Max Printing speed	80m/min Equip with chamber dr blade ,max printing speed 100m/min 配备腔式刮刀, 最高打印速度100m/min
最高烘箱温度	Max. oven temp.	Max. 80°C(room temp. 20°C) 最高温度80°C (室温20°C)
传动类型	Transmission drive type	Synchronous belt 同步带
收放卷纸	Unwinder/rewinder paper	core 3 " 芯数3
适用油墨	Suitable Ink	Water based ink / Solvent ink 水性/溶剂型墨水
送料部分 Feeding Material Part		
单放卷系统, 气动上料装置		Single unwind system, pneumatic loader for unwind system
断料自动停机; 停机时保持张力, 防止材料松散或跑偏。		Automatic stop machine when break the material; When machine stop, keep tension and avoid the material loose or line deflection.
气胀轴		Air shaft
EPC (边缘位置控制): 具有手动/自动/中央回位功能, 可调整收卷左右移动。		EPC (edge position control): With manually/automatically/ central return function, can adjust the rewind move left and right .
自动张力控制系统, 带磁粉制动器 (10KG)。		Automatic tension control system with magnetic brake(10KG).
滚筒芯径: 76mm		Roller core diameter: 76mm
出料最大直径: 1000mm		Discharge maximum diameter: 1000mm
印刷部分 Printing Sections		
版辊周长: 300-1000mm, 标准小于400mm		Plate roller circumference: 300-1000mm, standard less than 400mm
承印材料: 树脂版或橡胶版		Print material: resin plate or rubber plate
印刷辊与网纹辊传动: 斜齿轮		Transmission between printing roller and anilox roller: helical gears
印刷套色: 360度旋转		Printing chromatography: 360-degree rotation
调整方式: 手动 (手动调整后自动印刷, 开机后无需重新套色, 印刷压力和套色均保持不变。)		Adjustment method: by manual (automatic printing after adjust by manual, when start machine, No need register color again, the printing pressure and register all keep the same.)
印刷辊升降系统: 液压		Printing roller lifting system: hydraulic
干燥系统 Drying System		
机器配备鼓风机和加热器; 加热器采用中央温控系统		The machine is equipped with blower and heater; and the heater employed central temperature control system
每色之间均设有干燥装置, 印刷完成后配备干燥装置		Dry apparatus between each color, and one more dry apparatus after printing finished
复卷部分 Rewinding Part		
单收卷系统, 气动上料装置		Single rewind system, ,pneumatic loader for rewind system
大滚筒摩擦收卷系统		Big roller friction rewind system
气胀轴		Air shaft
自动张力控制系统		Automatic tension control system
滚筒卷芯直径: 76mm		Roller core diameter: 76mm
出料最大直径: 1000mm		Discharge maximum diameter: 1000mm