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## **CMYK-420A**

Paper Bag Digital Printing Machine (Double Printer Heads)

纸袋数码印刷机 (双印刷喷头)

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# CMYK-420A

## Paper Bag Digital Printing Machine (Double Printer Heads)

### 纸袋数码印刷机（双印刷喷头）



#### 工艺流程图 Process Flowchart



#### 机器说明 Machine Description

纸袋数码印刷机是一种无需制版的喷墨印刷设备，专为纸袋、手提袋等包装产品设计。通过CMYK四色喷墨技术，可直接将电子文件（如图案、文字、可变数据）高速印刷在牛皮纸、防油纸、可降解材料等吸水性材质表面。支持单/双面印刷，适用于小批量定制、个性化LOGO、可变数据印刷等场景，大幅降低传统印刷的起订门槛。

The digital paper bag printing machine is a plate-free inkjet printing system designed specifically for packaging products such as paper bags and tote bags. Using CMYK four-color inkjet technology, it can directly print electronic files (such as designs, text, and variable data) at high speed onto absorbent surfaces such as kraft paper, greaseproof paper, and biodegradable materials. Supporting single- or double-sided printing, it is suitable for small-batch customization, personalized logos, and variable data printing, significantly reducing the minimum order requirement for traditional printing.

## 机器特点 Machine Features



### 免制版 & 小批量定制

- 无需传统印刷的制版、晒版流程，导入设计文件即可直接印刷，显著缩短生产周期。
- 单件起印，成本低，特别适合个性化订单、急单补货]。

### 全自动生产系统

- 集成双发料系统与自动收料装置，支持连续进料，减少人工干预，1人可操作多台设备]。
- 断料自动停机、计米器精准控制印刷数量，提升稳定性。

### 高效印刷能力

- 速度范围：2000-20,000个/小时（视设计复杂度调整）。

### 材质兼容性广

- 适配多种纸袋材质：牛皮纸、防油纸（烧烤袋）、汉堡纸、可降解餐盒等。
- 可扩展印刷其他包装：纸杯、披萨盒、种子卡、团扇等。

### 色彩与精度优势

- CMYK四色印刷，无限色彩组合，渐变效果可达照片级精度。
- 采用循环供墨系统（如XAAR喷头技术），减少堵头风险，墨滴定位精准。

### 环保与经济性

- 使用水性墨水，无挥发性有害物质，符合绿色生产标准。
- 能耗低（部分机型功率3KW），对比传统胶印节省电力与仓储成本（免存印版）。

### 典型应用场景

- 商业定制：品牌手提袋、节日礼品袋、促销活动纸袋。
- 食品包装：吐司袋、烧烤袋、汉堡纸等食品级安全印刷。
- 工业包装：吨包编织袋、工业牛皮纸袋多色印刷。

### Plate-Free & Small-Batch Customization

- Eliminate the traditional plate-making and plate-making processes of traditional printing; simply import the design file and start printing directly, significantly shortening production cycles.
- Single-piece printing, low cost, particularly suitable for personalized orders and urgent replenishment.

### Fully Automated Production System

- Integrated dual-feed system and automatic receiving device support continuous feeding, reducing manual intervention, allowing one person to operate multiple machines.
- Automatic shutdown upon material runout, and a meter counter precisely controls print quantity for improved stability.

### Efficient Printing Capacity

- Speed range: 2,000-20,000 pieces/hour (adjustable depending on design complexity).

### Wide Material Compatibility

- Compatible with a variety of paper bag materials: kraft paper, greaseproof paper (barbecue bags), hamburger paper, biodegradable lunch boxes, etc.
- Expandable printing capabilities for other packaging: paper cups, pizza boxes, seed cards, round fans, etc.

### Color and Precision Advantages

- CMYK four-color printing, unlimited color combinations, and photo-quality gradient effects.
- Utilizes a circulating ink supply system (such as XAAR printhead technology) to reduce the risk of printhead clogging and ensure precise ink droplet placement.

### Environmentally friendly and economical

- Uses water-based ink, free of volatile organic compounds (VOCs), meeting green production standards.
- Low energy consumption (select models reach 3kW), saving electricity and storage costs compared to traditional offset printing (no printing plate storage required).

### Typical Applications

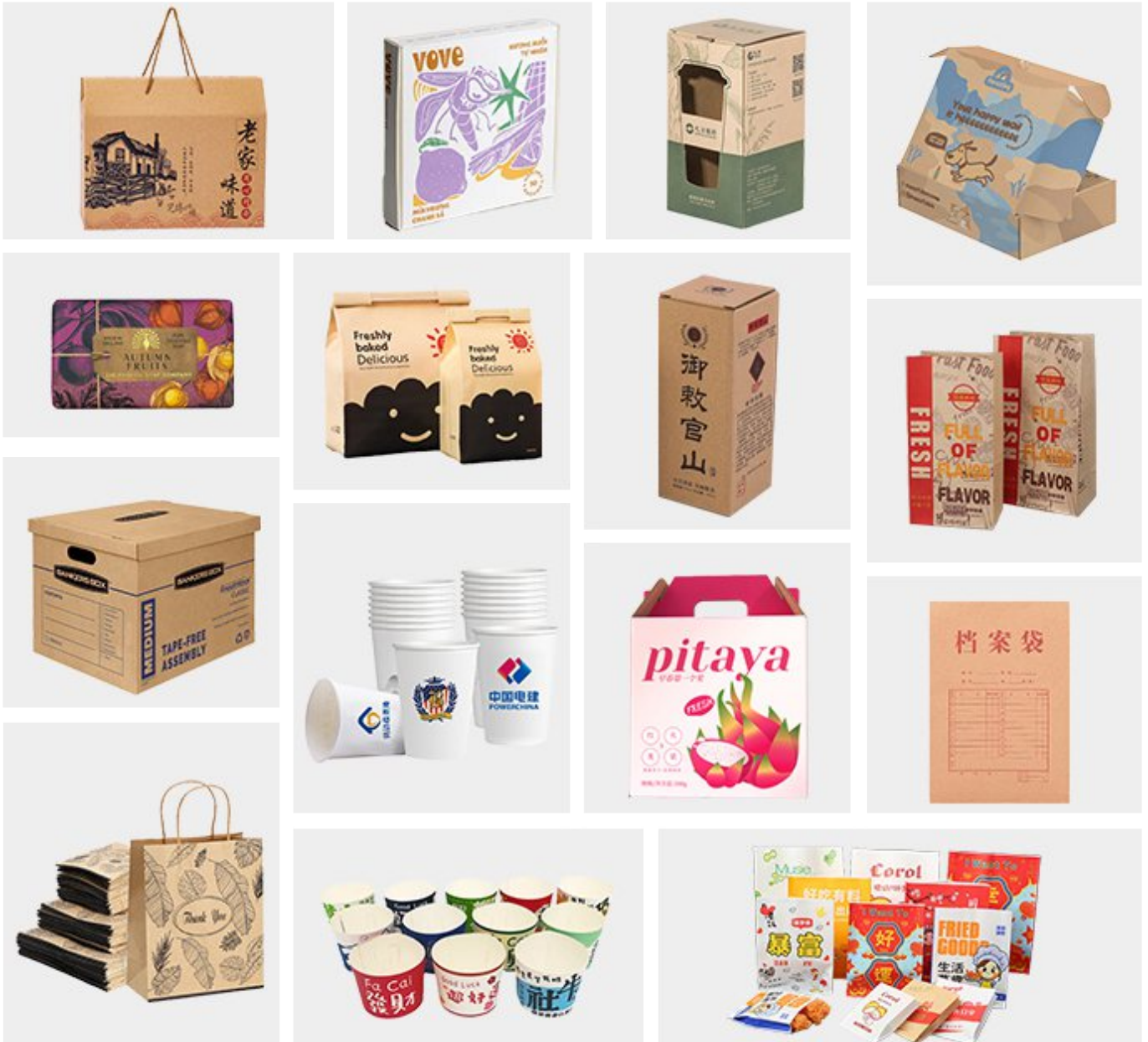
- Commercial customization: Branded tote bags, holiday gift bags, promotional paper bags.
- Food packaging: Food-safe printing on toast bags, barbecue bags, hamburger wrappers, and more.
- Industrial packaging: Multi-color printing on woven ton bags and industrial kraft paper bags.



## 技术参数 Main Technical Parameters

喷头品牌	Printer Head	HP 452
有效喷印宽度	Printing Width	210mm/Single 420mm/ Double
喷印模组	Printing Color	标配一组4色打印 4 Colors CMYK Standard
喷印内容	Printing Contents	文字、数字、图片、彩色，可变图片、能够灵活的设计版面 Text, mathematics, pictures, colors, variable pictures, and flexible design layout
走纸宽度	Paper Width	50-600mm
进纸厚度	Paper Thickness	1.0-0.5mm
生产速度	Speed	高精模式：20米/分，高速模式：40米/分 High resolution mode: 15 meters per min, high / Speed mold: 35 meters per min
输入电源	Voltage	220V
机器功率	Power	3KW
外形尺寸	Machine Size	L5800 x W1300 x H1500mm
机器重量	Machine Weight	Approx: 1000kg

打印效果 Printing Effect



设备占地规划 Machine Floor Plan

