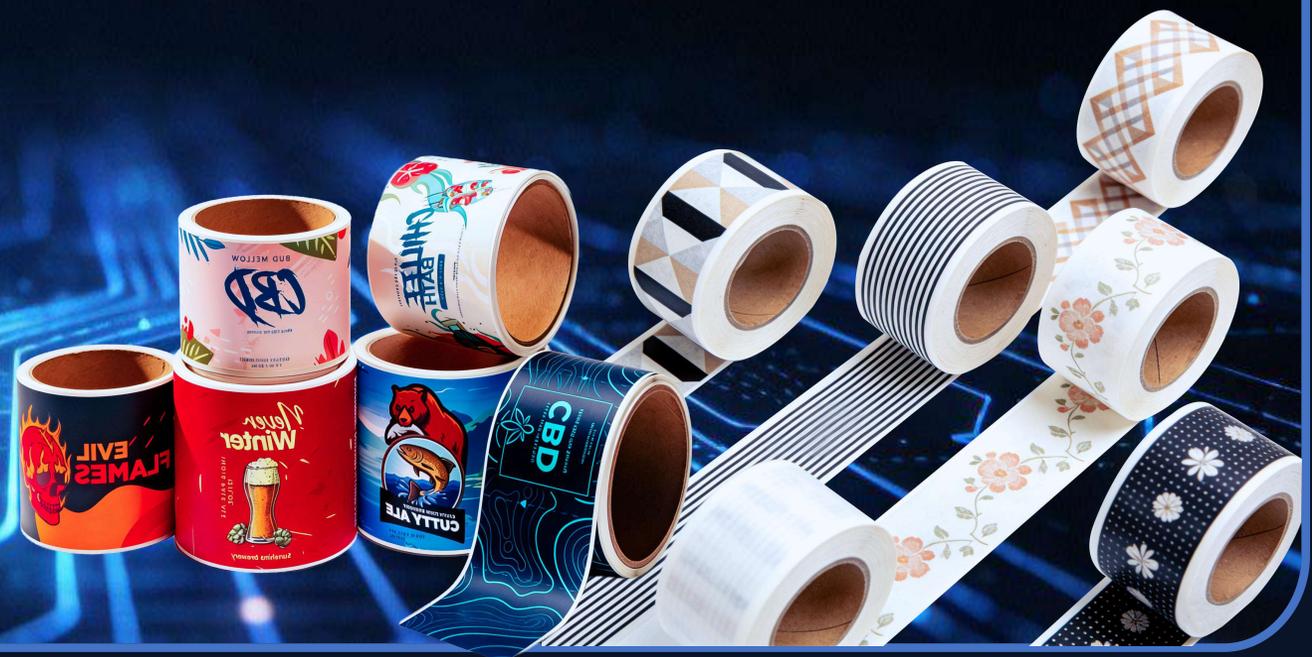SUNTHINKS

Professional Digital Label Printer

Water-based Sustainable Printing Solutions

Contents

01.Core Product Advantages

¥ Lowest Operating Cost

This model offers the lowest operating cost in the digital label industry, significantly reducing production expenses while maintaining productivity.

Flexible Ink Options

Supports both dye and pigment ink options to cover diverse application scenarios. Features include waterproof, sun-resistant, scratch-resistant, and non-fading properties.

Applicability & Compatibility

Flexible printing on pre-cut labels, black mark labels, or continuous labels made of paper or coated paper. Suitable for logistics labels, food packaging, industrial identification, etc.

Quick Job Changeover

Supports continuous multi-task processing, allowing for rapid changeovers between different label designs and materials to enhance efficiency.

Automatic Deviation Correction

Real-time detection and automatic correction of material offset during feeding, ensuring registration accuracy and neat edges.

Eco-friendly & Sustainable

Supports Industry 4.0 standards and utilizes water-based sustainable printing technology.

Excellent Print Quality

Sharp edges for text, patterns, and QR codes; fast-drying ink without smudging; uniform color blocks; and scratch-resistant finishes ready for immediate use.

Variable Data Printing(VDP)

Enables unique on-demand changes for text, barcodes, QR codes, images, and numbering on every label. Facilitates "one item, one code," personalization, and anti-counterfeiting traceability with zero plate-changing and a min order of one.

High-Precision & Fast Printing

Max speed of 35m/min with a resolution up to 1200×1200 dpi, ensuring clear and sharp fine patterns and small text.

A3 Size Roll-to-Roll

Supports 30cm page width and continuous roll-to-roll printing to meet industrial-scale mass production needs.

Strong Order Handling

Zero plate-making and zero waste; easily handles short runs, urgent orders, and customized requests.

Simple Operation & Low Maintenance

Low entry barrier for operators. Compact footprint with convenient maintenance, saving labor and consumables compared to traditional printing.

Printhead Lifting Function

Adjustable height (0-120mm) to adapt to various label material thicknesses and ensure optimal printing distance.

Intelligent Ink Pressure Control

Automatically regulates ink pressure in secondary tanks to ensure stable, continuous jetting and prevent breaks, bubbles, or leaks.

Intelligent Tension Control

Works with a triple-servo system to dynamically optimize paper tension, preventing stretching, wrinkling, or breaking.

02.Technical Specifications

Printing Resolution
Up to 1200 x 1200 dpi

Print Speed
Max 35m/min

Print Area
Max 300mm

Media Sensor
Adjustable optical sensor (Gap/Reflective/Continuous)

Connectivity
1000 BaseT Ethernet (RJ-45)

Software & OS
Win 10/11, QuickLabel-Pro, InEdit RIP

Environmental Requirements

🌡 Operating Temp： 20℃ to 30℃ (68°F to 86°F)

💧 Operating Humidity： 40% to 60% RH (non-condensing)

🗄 Storage Temperature： 5℃ to 50℃ (41°F to 122°F)

🖥 Storage Humidity： Up to 85% RH (non-condensing at 65℃)

Physical Specifications

⚡ Power： 3.5KW (Printer only)

📐 Dimensions： 850mm x 800mm x 1500mm

⚖ Weight： 300KG (excluding consumables)

📜 Certifications： CE, UKCA, FCC

Consumable Specifications

Ink Type: Original CMYK water-based pigment/dye ink, 1L cartridges

Media Width: ≤300mm

Media Thickness: ≤120mm

Roll Specs: Max ID 75mm, Max OD 300mm, Max Weight 25kg

Media type: Paper roll

Maintenance System

Integrated automatic printhead cleaning with wiper and vacuum suction; replaceable cleaning pads.

03.Warranty & Product Standard Configuration

After-sales Policy

Printer

1-year manufacturer warranty for the main unit core components (excluding printheads).

Ink/Consumables

· 1-year warranty for unused/unopened items from the production date;

· No warranty once opened or installed.

Standard Configuration

Core Equipment

Digital Label Press main unit with printheads.

Factory Service

· Factory direct sales and official warranty service support

· Unlimited technical support (phone/web/email)

· All machines purchased directly from Sunthinks come with lifetime after-sales service from the manufacturer

04.Optional Value-added Services

On-site Installation & Training

Sunthinks arranges for professional engineers to provide on-site equipment installation, commissioning, and operation training to ensure customers can quickly put their machines into use.

Custom Functional Services

Offer optional special effects or functional accessories to enhance the device's capabilities for specific application scenarios.

1-on-1 Online Service

Create a dedicated online after-sales group and enjoy online support from the entire Sunthinks after-sales team for you and your company.

Appearance Customization

We offer optional body color customization solutions to meet your individual needs and reflect your brand image.

05.Contact Us

Get more Product Information

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WhatsApp   Scan to Add Friend   **WeChat**

THANK YOU

looking forward to it