



DIGITAL SINGLE PASS PRINTER FOR PACKAGING

High-Speed Printing Technology for Corrugated Boxes,
Kraft Paper, Cardboard & More



WITH

New OEM A3 printbar by HP



www.apsomtechnologies.com

PRODUCT FEATURES

INDEPENDENTLY DEVELOPED MAINBOARD

Custom-designed motherboard ensures seamless integration with the machine, delivering excellent stability and performance. Features include automatic image feathering, gap detection, and multitasking print capability.

SMART INK SUPPLY SYSTEM WITH PATENTED PRESSURE CONTROL

The independent positive and negative pressure system maintains a stable negative pressure for consistent ink droplet control, ensuring smooth and uninterrupted ink flow to the printhead.

PATENTED FEEDING BELT SYSTEM

Proprietary belt design with high-precision auto-correction and optimized suction hole layout ensures stable media feeding and accurate material alignment during high-speed printing.

ADVANCED COLOR MANAGEMENT SYSTEM

Equipped with a powerful color engine and intuitive controls for smooth gradients, vibrant output, and photo-realistic detail. Supports faster file processing, customizable printer settings, and built-in ICC profiles for various media types and print modes.

HIGH-SPEED SINGLE PASS DIGITAL PRINTING

Fully digital single pass printer enables faster, more flexible printing workflows—delivering competitive advantages in time-sensitive production environments.

SUNTHINKS CUSTOM INK FOR SINGLE PASS PRINTING

Specially formulated ink delivers vivid colors and precise, stable jetting, bringing printed visuals to life with enhanced clarity and realism.





NOZZLE ADVANTAGE

- Single-page-wide print head offers wider coverage and better cost-efficiency compared to piezoelectric heads, with long-term stability through optimized ink circulation.
- 1200×1200 DPI resolution with a speed of 20m/min delivers rich color saturation and smooth gradient transitions.
- Supports multitask printing including variable data, barcodes, QR codes, text, and list printing.
- Built-in ink circulation system with automatic pressure control and dual negative pressure supply ensures consistent ink flow.
- High-precision positioning holes allow quick, easy printhead replacement with minimal adjustment.
- Self-developed print control board and software, backed by multiple patented technologies.
- Job scanning supported; machine auto-aligns and prints at the designated position.

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SC300

A3 NOZZLE PARAMETER

Printhead Model	A3					
Printer Model	SC300	SC600	SC900	SC1200	SC1500	SC1800
Printing Page Width	300mm	600mm	900mm	1200mm	1500mm	1800mm
Power	3.5kw	5kw	7kw	8kw	8kw	8kw
Max Material Width	680mm	1600mm	2000mm	2500mm	2500mm	2500mm
Gross Weight	600kg	1700kg	1900kg	2500kg	2500kg	2500kg
Product Size	1535*1850*1500mm	3550*2250*2200mm	4120*2250*2200mm	5880*2250*2200mm	5880*2250*2200mm	5880*2250*2200mm
Auto Feeder	Optional					
Feeder Size	850*850*1200mm	1900*1750*1700mm	2350*1750*1700mm	2870*1780*1700mm	2870*1780*1700mm	2870*1780*1700mm
Power	1.8kw	3kw	4kw	4kw	4kw	4kw
Gross Weight	100kg	600kg	800kg	1000kg	1000kg	1000kg
Max Material Width	450mm	1600mm	2000mm	2500mm	2500mm	2500mm
Feed Thickness	Max300	Max450				



SC600 WITH AUTO FEEDER

APPLICATION SCHEME

Direct to substrate high-speed digital printing, suitable for various carton materials such as corrugated boxes, kraft paper bags, cartons, cardboard, paper, and other porous materials.

Corrugated Box



Colour Gift Box



Shopping Bag



Food Packing Bag



PRODUCT PARAMETERS

Product Name	Digital single pass printer
Brand	Sunthinks
Application	Corrugated carton boxes,kraft paper bags,paper cardboards.etc
Colors	C / M / Y / K
Ink	Dye ink / Pigment ink
Material Thickness	Max80mm
Printing Speed	20/30/40m/min
Resolution	1200dpi*300dpi / 1200dpi*600dpi / 1200dpi*1200dpi
Printhead Model	A3
Nozzle Number	59136
Print width	305mm
Ink supply	Double circulation ink supply system
Ink drop size	8.5~10pi
Feeder Brand	Sunthinks
Feeding Technology	Friction feeding
Feeder Speed	20/30/40m/min

ABOUT SUNTHINKS

Shenzhen Sunthinks Technology Co., Ltd. is a high-tech enterprise specialising in corrugated and UV digital printers. With in-house R&D and IP rights, they offer advanced, efficient printing solutions. Their diverse product range serves multiple industries with speed and precision.



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