SPECIFICATIONS

Model	• HM1800-R8		
Print head	• Industrial piezoceramic print head		
Ink type	• Sublimation ink		
Ink supply system	• Automatic		
Ink tank volume	• 6L		
Ink color	• 4, 6, 8 colors		
Printing mode	pass	• 1pass	• 2pass
	DPI	• 600 x 600 dpi	• 600 x 1200 dpi
	Capacity	• 540 ㎡/hr	• 270 ㎡/hr
Material information	• Maximum Substrate width • 1900 mm	• Maximum printing width • 1800 mm	• Material Weight • 35—100 g/㎡
Max. roll diameter	• Standard roll: φ500 mm ┃ φ1000 mm (optional)		
Media type	• Transfer paper		
Media feeding	• Roll to roll (constant tension feeding&taking-up)		
Dryer type	• IR+ Hot Air		
Compressed air	• 0.6 Mpa ┃ 3.5 m³/hr (Dry air without oil or moisture)		
Power supply	• AC380V±10% Three Phase ┃ 16.5KW：27A ┃ 50Hz/60Hz		
Power cable	• Printer：5 x 6 mm²		
Environmental requirements	• Temperature：20~28℃（68~77°F） • Relative humidity：45％~70％（no condensing）		
Printer Net size	• 4200 x 1920 x 2150 mm (L x W x H)		
Net Weight	• 2521 KG		

HM1800-R8

Industrial high-speed Roll-to-Roll dye-sublimation digital printer

- Outstanding printing speed and quality; excellent reliability and stability.
- Advanced mechanic and software design; High-efficiency data processing technology.
- Top-level R&D team ensures continuous innovation and product optimization, and keeps us at the technology forefront in digital inkjet printing.
- Strong worldwide service team responds promptly to your questions and concerns.
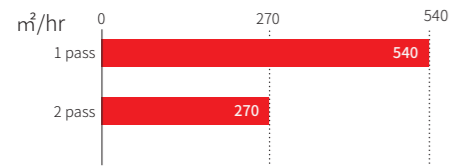- Cost-effective products bring you more business and profit.

Speed

m²/hr

| | 0 | 270 | 540 |

1 pass — **540**
2 pass — **270**

Printheads staggering in 2 rows
Maximum printing speed is up to 540 ㎡/hr.

It is designed with printheads staggering in 2 rows, efficiency is improved.

Self-developed hardware and software systems, combined with advanced mechanical structure, contribute to high printing speed of up to 540 ㎡/hr with high quality.

Anti-scratch printhead protection design

The Anti-scratch system with laser sensors will suspend the printhead carriage for any potential media irregularities, to prevent damage to the printheads and maximize printheads' working life.
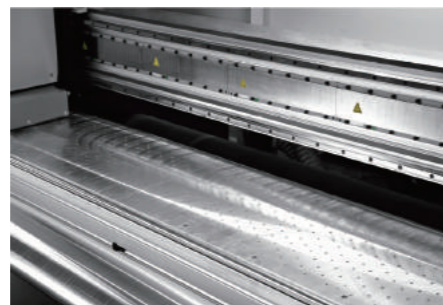
Variable droplet printing technology

Variable droplet printing technology can achieve high resolution inkjet printing with fine details by only 1 pass.
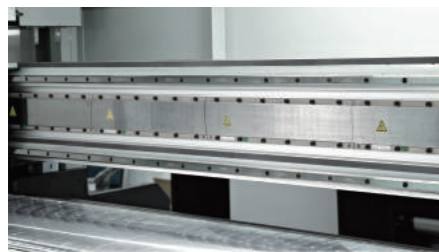
Linear motor in combination with high precision guiderail beam

Linear motor in combination with high precision guiderail beam helps improve printing speed and ensure printing accuracy.

Adjustable vacuum system

The vacuum power can be adjusted by software for different printing media, so the media flatness is optimized to improve the accuracy of ink drop point.

Intelligent constant-moisturizing capping system and Creative auto-wiping printhead self-cleaning system

Built-in humidifier enables mist spray automatically, so constant moisturizing of nozzles guarantees the stability of ink supply system and prevents blocked nozzles caused by dry ink. Automated head wiping removes the residual ink on the nozzle surface, to guarantee continuous printing.

Kyocera-certified original ink

The Homer ink with Intertek certification has been certified by Kyocera, matching well with Kyocera print heads. It delivers pure color and smooth output.

Intertek
Intertek Certification
TESTED
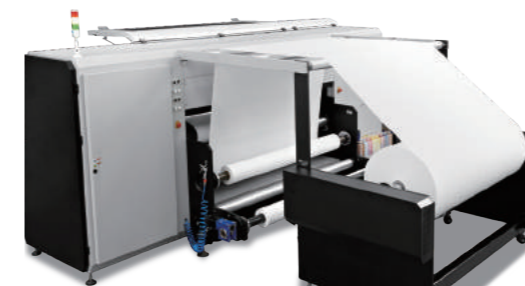
Separate media entry unit (Optional)

Support 10,000 meters jumbo roll unwinder up to φ 1000mm.

Industrial ink supply system: Peristaltic-pump ink supply+Automated negative pressure monitoring &adjusting system+ Efficient ink degassing

Peristaltic pumps keep the kinetic energy of ink supply at a constant level; negative pressure is detected and adjusted in real time automatically; the efficient degassing modules clear the bubbles in ink tubes to avoid ink starvation.These three designs work together to make ink spurt out smoothly to provide higher printing stability for industrial continuous production.

Integrated software control system

Self-developed control software is fully automatic for smart operation. One operator is able to control multiple machines.

Industrial-level stable performance

This equipment has passed the 7x24 hour reliability test. The high-end industrial design and sound digital solutions have made it a perfect choice for industrial production.

Tension-adjustable continuous winding/unwinding control technology

Equipped with full servo motors for feeding and taking-up, the stepping accuracy of the machine is greatly enhanced. The laser sensor at the winding section measures the roll diameter in real time for constant and smooth winding.