

SPECIFICATIONS

Model	• HM 1800B-K12				
Printing Parameters					
Print resolution	• 600 x 600 dpi (2 pass)	• 600 x 900 dpi (3 pass)	• 600 x 1200 dpi (4 pass)	• 600 x 1500 dpi (5 pass)	• 600 x 1800 dpi (6 pass)
Printing speed	• 368 m ² /hr	• 271 m ² /hr	• 200 m ² /hr	• 157 m ² /hr	• 132 m ² /hr
Printing mode	• Single/bi-direction				
Printhead Qty	• 8 to 12 pcs (Max.)				
Colors	• CMYK + 2 or 4 spot colors				
Inks	• Reactive, Acid, Disperse (direct or transfer), Pigment				
Color mode supported	• 3 x 3, 6 colors mode 3 x 4, 8 colors mode				
Ink tank capacity	• 15L				
Media Take-up Drying					
Media type	• Cotton, linen, silk, nylon, polyester, blended, elastic fabrics, etc.				
Media conveying	• Continuous belt conveying, dedicated unwinder for woven fabric + knitted fabric unwinder system				
Max. printing width	• 1900 mm				
Max. media width	• 1920 mm				
Applicable media GSM	• 30- 450 g/m ²				
Max. roll weight	• 100 Kg (full width)				
Max. roll diameter	• Standard roll: φ500mm A-type feeding unit: φ1600mm (option)				
Drying mode	• Belt + dryer heated by IR (steam-type, electricity-type available) swing arm type dropping fabric (optional)				
Exhaust treatment	• Compulsory ventilation				
Electricity, Air and Water					
Printer voltage	• AC220V~240V±10% single phase Printer: 34A (7.4KW) + belt drying:25A (5.2KW) 50Hz/60Hz				
Dryer voltage	• AC380V±10%, three phase 25A (15.9 KW) 50Hz/60Hz				
Compressed air supply	• 0.6 Mpa 3.5 m ³ /hr (dry, no oil or water)				
Environmental Requirement					
Temperature	• 20~28 °C (68~77 °F)				
Humidity	• 45~70% (no condensing)				
Installation Dimension					
Printer dimension	• 4656 mm x 2300 mm x 2277 mm (L x W x H)				
Printer package dimension	• 4850 mm x 2250 mm x 2250 mm (L x W x H)				
Dryer Dimension	• 2190 mm x 2850 mm x 1400 mm (L x W x H)				
Dryer package dimension	• 2280 mm x 2960 mm x 1730 mm (L x W x H)				
Installation space dimension	• 8650mm x 7050mm (L x W) (it is not the standard requirement for installation of the machine, and can have appropriate adjustment as per local space conditions.)				
Weight					
Printer weight	• 3.05 T	Package weight	• 3.9 T		
Dryer weight	• 1.2 T	Package weight	• 1.6 T		

HOMER
Digital Textile Printer



HM 1800B-K12

Industrial Ultra-speed Conveying-belt Direct-to-textile Digital Printer

- Outstanding printing speed and precision, excellent reliability and stability
- Advanced industrial design, high-efficiency data processing technology
- Strong R&D team with rich professional experience and 27 patents
- Responsible worldwide service team provides quick answers your questions and concerns
- A cost-effective machine brings customers more profit and return

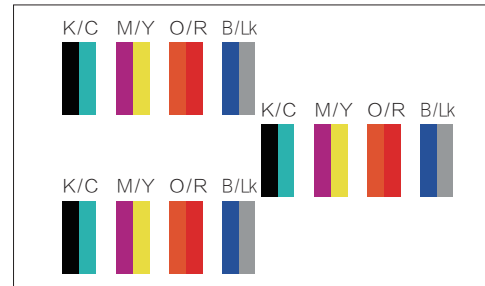


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HOMER
Digital Textile Printer





Color group inkjet solution

6 or 8 colors inkjet solutions improve accuracy of ink drop locations and break the boundary of color composition.

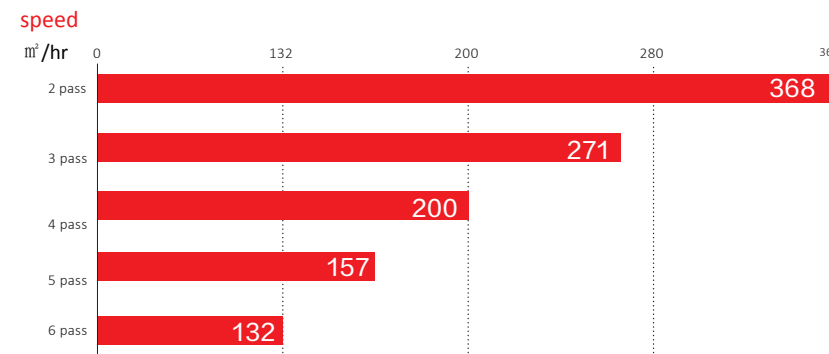


Kyocera-certified original ink

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



Let printing become the finishing touch of textiles



Printing speed up to 368 m²/h

Thanks to the self-developed hardware and software systems combined with advanced mechanical techniques, the machine delivers printing speeds of up to 368 m²/hr, meeting high-end requirement of industrial production.

Equipped with High standard Kyocera printheads

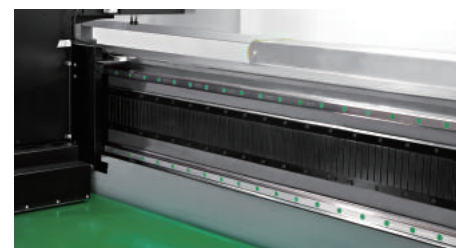
Equipped with 12 Kyocera printheads (aligned in 3 rows), productivity is substantially improved.

Fabric transiting system

Stable and precise media feeding system makes sure the stability of continuous conveyance of fabric in printing.

Intelligent operation interface

Visible and smart user interface enables one operator to manage multiple machines. Skill training can be easily accomplished.



Linear motor combined with steel rail beam

High-strength steel rail beam combined with advanced magnetic levitation motor maintains the stability and smoothness of carrier's back and forth movement, and improves the printing efficiency.

Workflow



Variable inkdrop printing technology

Variable droplet printing technology is applied for precise control on ink drop size, to achieve enriched image reproduction.

Industrial-class stable performance

The stability design for 7 × 24 continuous high-speed running makes it a perfect fit for industrial performance.

High speed belt drain system

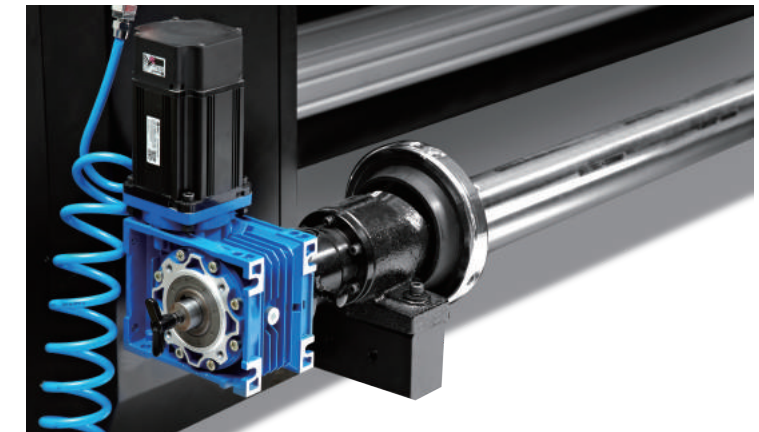
Advanced rubber wiper and sponge roller drain system can rapidly get rid of water on the belt and keep it dry.

Fast rotating belt cleaning system

Fast rotating belt cleaning system, cleans the belt more thoroughly at lower energy cost for clean fabric.

Anti-scratch printhead protection system

The reliable anti-scratch design effectively protects printheads. It minimizes the damage of fabric to the printheads and extends service years of the costly printheads.



Tension-adjustable continuous winding/unwinding control technology

The tension-adjustable continuous winding/unwinding control technology, which can be applied to various types of fabric, adjusts automatically the feeding speed in accordance with the stepping size.



Ink supply system: peristaltic pump + automated negative pressure + ink degassing

The ink supply system consists of peristaltic pumps automated negative pressure and ink degassing. Continuous ink supply is assured; negative pressure is monitored and adjusted real-time; gas in the ink can be timely removed. All combined, printing is done continuously and stably.

Digital printing, rapid response

- Print on demand, low energy consumption and environment-friendly.
- Efficient combined output of short orders and rush orders, quick response to market demands.
- Powerful order management functions: orders can be automatically saved, easily modified or retrieved. High efficiency contributes to optimized production.
- Flexible and convenient: no plate making; no color mixing; seamless switch between orders of same specifications. Any pattern you designed can be all easily realized.
- Meeting demands of instant order change, fast delivery and zero inventory. New business models are created for bright future.



Auto-wiping printhead self-cleaning system

Auto-scraping design cleans the printheads for stable working conditions. The defect rate can be greatly reduced with automatic cleaning.