SPECIFICATIONS

Model	• HM 1800B
Print Head	• Water-based Kyocera print head
Pint head Qty	• 4—8 pcs
Max Printing Resolution	• 600 x 1800 dpi
Production Speed	• 600 x 600 dpi（2pass） • 600 x 900 dpi（3pass） • 600 x 1200 dpi（4pass） • 260m²/hr • 190m²/hr • 130m²/hr
Printing Height	• 2—30 mm
Media Conveying	• Continuous belt-conveying, Auto constant tension feeding&taking up, Fabric spreading, Tension-free entry unit(optional)
Max Printing Width	• 1900 mm
Max Media Width	• 1920 mm
Dimension (L/W/H)	• Printer: 4656 mm x 2304 mm x 2277 mm • Dryer: 2190 mm x 2850 mm x 1780 mm • Package: 4850 mm x 2250 mm x 2250 mm • Package: 2280 mm x 2960 mm x 1730 mm
Ink Type	• Reactive, acid, sublimation (direct or transfer), pigment
Ink Color	• Cyan, Magenta, Yellow, Black+four spot colors (optional)
Ink Supply	• Peristaltic-pump ink supply, Ink degassing, Auto negative pressure system
Belt Cleaning	• Auto brush and sponge roller washing system
Media Type	• Cotton, linen, silk, nylon, polyester, blended, elastic fabrics, etc
Max Roll Diameter	• 400 mm (standard unwinder&winder roll)
Max Roll Weight	• 100 kg (Full width, standard unwinder&winder roll)
Drying	• Belt + Hot air + IR
Rip Software	• Neostampa or Texprint
Power supply	• Printer: AC380V three phase | 30A (6.5kW)+27A (6kW) | 50Hz/60Hz • Dryer: AC380V three phase | 22A (15.9kW) | 50Hz/60Hz
Compressed water supply	• 0.6 Mpa | 0.9m³/hr
Compressed air supply	• 0.6 Mpa | 0.15m³/hr（dry,no oil or water）
Working Environment	• Temperature: 20~28℃（68~77℉） • Relative humidity: 45-60%（no condensing）

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HANGLORY GROUP | HOMER Digital Textile Printer

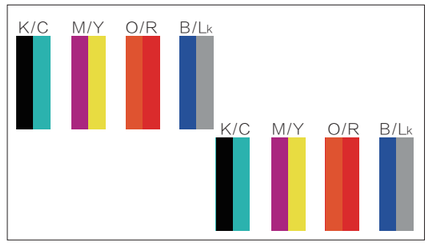
HOMER Digital Textile Printer

HM 1800B

Industrial high-speed conveying-belt direct-to-textile digital printer

- Outstanding printing speed and quality; excellent reliability and stability.
- Advanced mechanic and software design; High-efficiency data processing technology.
- Support diversified printing applications; Widely used in reactive, acid and disperse direct printing.
- 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.

HM 1800B



Creative dual-row printhead allignment

Backed by the creative printhead set-up, the precision of inkdrop has been greatly enhanced to ensure printing quality.

Up to 260 ㎡/hr printing speed

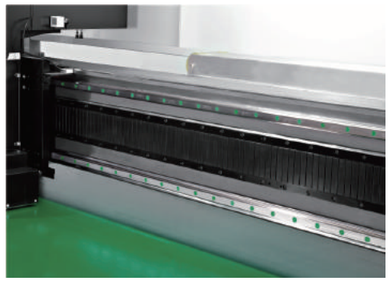
Attributed to advanced mechanical structure and self-developed high-performance hardware & software system, the equipment delivers printing speed up to 260 ㎡/hr.

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.

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 spurted out smoothly to provide higher printing stability for industrial continuous production.



Magnetic linear motor and steel rail beam

The rail beam is made of high-strength steel with top straightness. Combined with magnetic levitation motor, it imporves the stability and smoothness of the printhead carriage's back and forth movement.

Reactive printing

Acid printing

Disperse printing

Workflow

Textile precoating → Digital printing → Steaming → Washing → Drying and finishing

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.

Specialized conveyor belt for digital printing

The specialized conveyor belt has a smaller tension force. Together with a large-diameter roll it improves the accuracy and stability of conveying process.

Automated textile rolling design

This flexible rolling system avoids the indentation of sensitive fabric and improve the output quality.

Intelligent and user-friendly operation interface

The brand new visible operation interface includes automatic order management and automatic cost calculation etc.. One operator is now able to control multiple machines with the smart interface. It is easy to learn and use, greatly improves work efficiency.

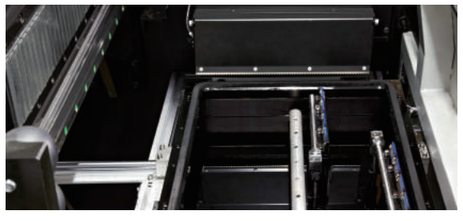
Kyocera-certified original ink

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

TESTED
Intertek
Intertek Certification

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.



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.

Efficient belt cleanning system

High speed belt cleaning system saves energy and cleans the belt more thoroughly. A tidy belt keeps the textile free from dirt.