



HANGLORY

HOMER
Digital Textile Printer

GEEENONG

ROCKET

Hybrid Single Pass
Comprehensive Solution

Connecting Smart Printing

Pioneering the Digital Era of Textile Printing

Shenzhen HOMER Textile Tech Co.,Ltd.

www.hanglorygroup.com

Add: No. 28, Gaoke Avenue, Baolong Subdistrict, Longgang District, Shenzhen, China (HanGlory Tower)

Tel: (+86)0755-2308 0896 **Fax:** (+86)0755-2321 7841 **E-mail:** info@hanglorygroup.com

Note: The above technical parameters are subject to change without prior notice, and are subject to actual equipment.

V1.0/2025



ROCKET

Single Pass High-Speed Series

Hybrid Single Pass Multi-Process Digital Printer

One Machine Covers
the Entire Printing Production Process

Fabric Infeed Module

Three pre-selectable infeed rack modes: ① Woven, ② Knitted, ③ Woven-Knitted Dual Use
Precise control of fabric tension and infeed speed ensures fabric dimensions and condition

Digital Printing Module

90 m/min

Max. Production Speed
(Circulating Printhead)

80 m/min

Max. Production Speed
(Non-circulating Printhead)

1185 mm / 1830 mm / 2588 mm / 3020 mm

Max. Print Width (Support Customization for More Widths)

1250 mm / 1850 mm / 2650 mm / 3050 mm

Max. Material Width (Support Customization for More Widths)

Fabric Outfeed Module

Precise speed and tension control, combined with static eliminators, ensures neat fabric stacking

Dust Removal & Flattening Module

High-efficiency brush rollers combined with powerful suction ensure a clean, dust-free fabric surface
Overfeed, thread separation, edge trimming, and pressure roller coordination ensure fabric is flat and adheres to the conveyor belt with minimal tension in both warp and weft directions

Multi-Process Rotary Screen Module

Support online sizing, eliminating the need for sizing in a setting machine,
Enhance print vibrancy and penetration
Significantly reduce total nitrogen emissions, improve quality, reduce costs and boost efficiency

Multi-Process Rotary Screen Module

Composite multi-process printing, multiple rotary screens overlay in one pass (add rich effects after digital printing)

Drying Module

Efficient drying, multiple conveyor belt modes available, adaptable to various woven and knitted fabrics
Precise temperature control ensures the consistency and stability of printed colors across the entire fabric (both horizontally and vertically)

ROCKET Core Advantages

• Online Sizing

Efficient Continuous Production: Seamlessly connects front and back processes, streamlining production
Precise Quality Control: Real-time adjustment of sizing parameters ensures uniform and stable sizing
Resource Cost Savings: Precise sizing avoids waste, reduces labor and lowers costs

**↓ 50%**
Sizing Paste Cost Savings ≈ 50%

**↓ 50%**
Total Nitrogen Emissions Savings ≈ 50%

**↑ 15%**
Ink Color Improvement ≈ 15%

**↓ 10~15%**
Ink Usage Savings ≈ 10%-15%

• Patent Technology

Digital printing and rotary screen achieve high-speed, precise synchronization, complementary processes for mutual enhancement

**Precise Alignment**

**Complex Effect Overlay^①**

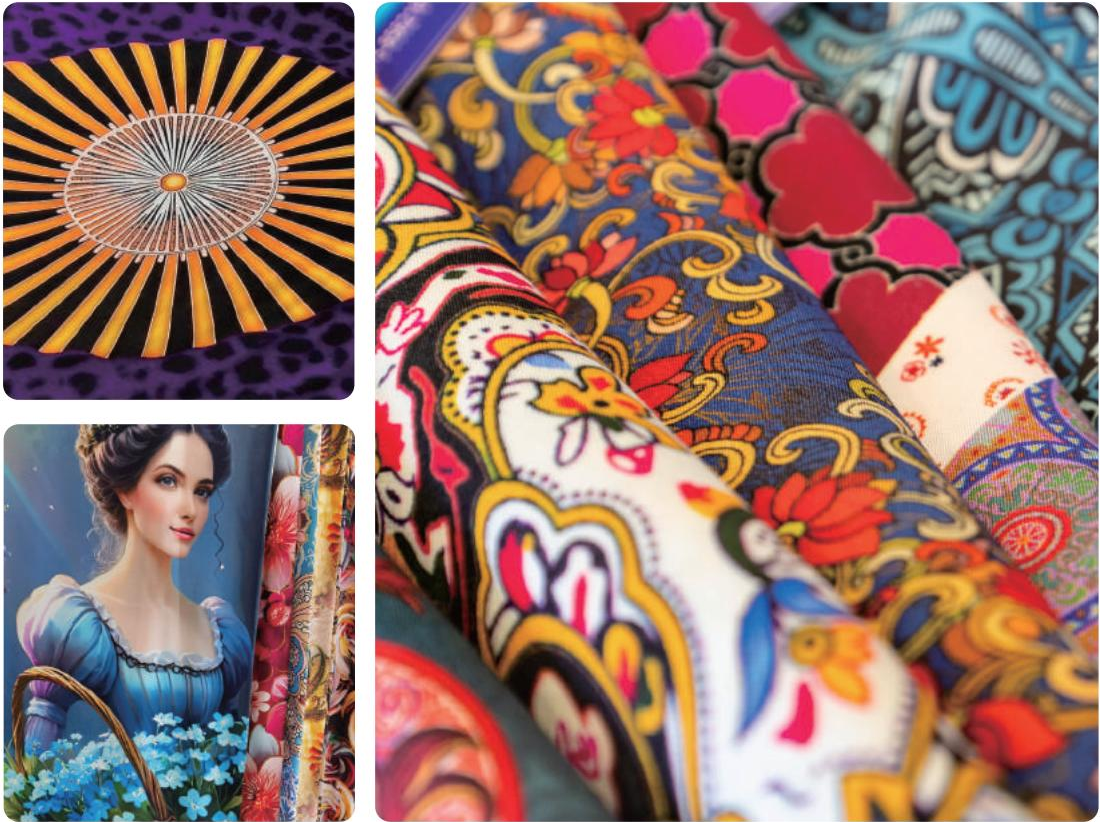
**Digital + Rotary Screen Overlay in One Pass**

^① Digital printing module prints high-definition patterns/designs
Rotary screen module quickly lays base colors, spot colors, high-coverage white ink, or overlays special effects

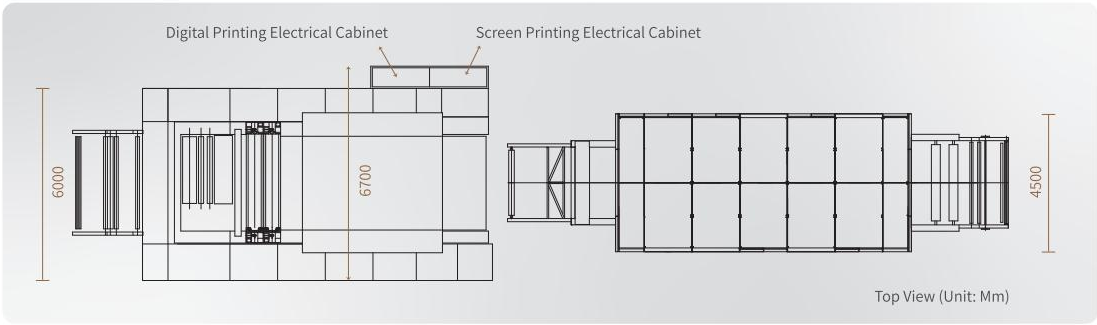
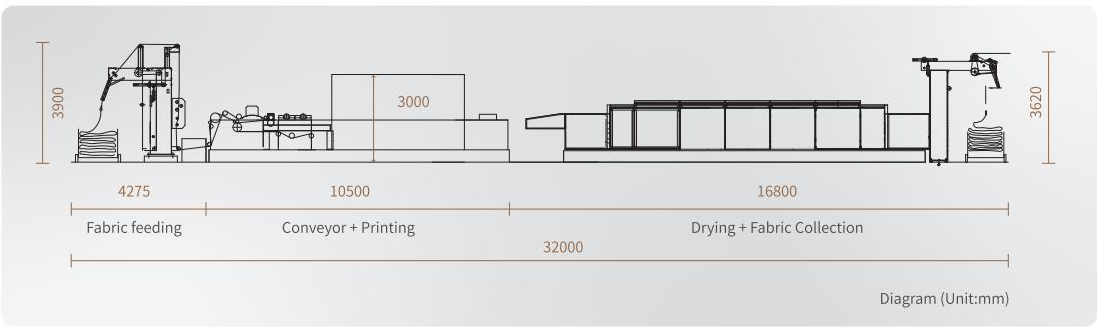


Digital+ Combined Multi-Process Printing

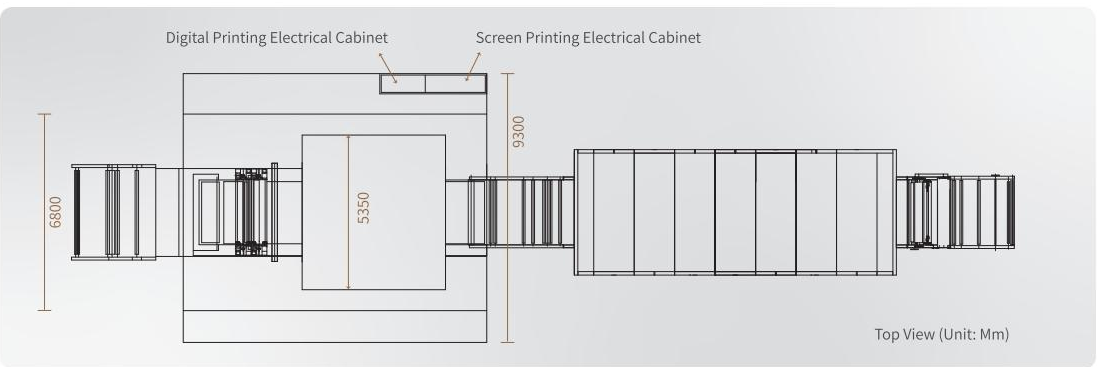
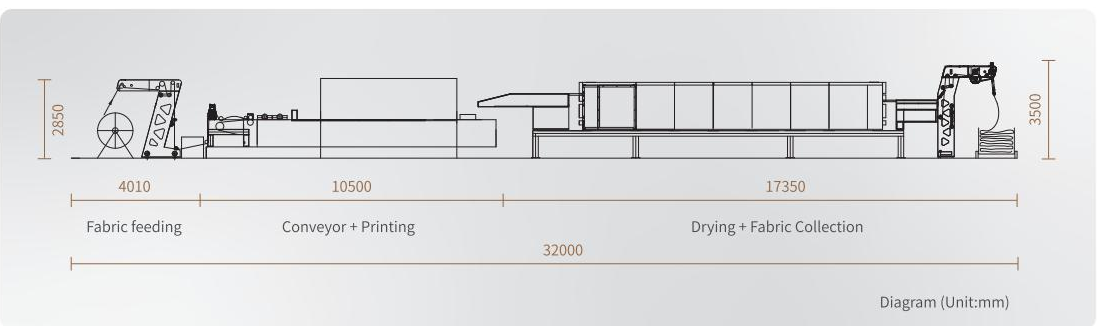
- Glitter Process
- Pearlescent Paste Process
- More Processes ect.
- Silver Flake Process
- Rubber Paste Process



ROCKET 1800 Equipment Installation Space Requirements



ROCKET 2700 Equipment Installation Space Requirements



ROCKET Ink Solutions



OEKO TEX®
Reactive inks, pigment inks, and high-temperature disperse inks have all been certified by OEKO-TEX

• Reactive Ink Solution

Solution Features

Wide applicability, excellent fluidity and stability
High ink concentration, vibrant colors, high dye purity, high uptake rate
Direct-to-fabric printing, meets high-speed printing needs, soft hand feel, excellent durability
Free of prohibited chemical components, complies with European and American environmental requirements, OEKO-TEX certified

Applicable Media

Mainly suitable for cellulose fiber fabrics, also for some silk fabrics, wide applicability
E.g., cotton, linen, rayon, silk, wool, cashmere, bamboo fiber, soybean fiber, modal, etc.

Color Series

- Cyan
- Magenta
- Yellow
- Black
- Royal Blue
- Orange
- Strong Red
- Grey

• Disperse Ink Solution

Solution Features

Nano-scale pigment particles, good fluidity and stability, fast drying
Vibrant colors, high detail, strong coloring power, good sunlight resistance
Complete color spectrum, high saturation, wide color gamut, environmentally friendly
Soft hand feel, excellent durability, free of prohibited chemical components

Applicable Media

Printing on fabrics containing 60%+ chemical fibers
E.g., polyester-cotton blends, polyester-viscose blends, nylon, spandex, polyester fiber, etc.

Color Series

- Cyan
- Magenta
- Yellow
- Black
- Royal Blue
- Orange
- Fluorescent Yellow
- Fluorescent Pink



• Pigment Ink Solution

Solution Features

Vibrant colors, stable quality, superior performance
Soft and breathable hand feel, suitable for multiple types of printing machines
Excellent color fastness, water-resistant, wear-resistant, no ink loss
Natural and skin-friendly, free of prohibited chemical components, safe and environmentally friendly

Applicable Media

Can be applied to fabrics of various fiber compositions, such as pure cotton, linen, polyester/cotton, nylon/cotton, etc.
For complex structures or multi-fiber blends with varying fiber properties, pigment digital inkjet printing is proven to be the most effective solution

Color Series

- Cyan
- Magenta
- Yellow
- Black
- Royal Blue
- Orange
- Strong Red
- Grey

PRINTING INFORMATION			
Model	ROCKET 1800		ROCKET 2700
Max. Resolution	1200*2400 DPI		
Max. Print Speed	90 m/min (Dual-row Circulating Printhead)		
	80 m/min (Dual-row Non-circulating Printhead)		
	50 m/min (Single-row Circulating Printhead)		
Print Mode	Single Pass		
Printhead(Optional)	Industrial Grade Piezoelectric Printhead (Optional: Circulating printhead / Non-circulating printhead)		
No.of Printheads	Max. 272 Printheads		Max. 384 Printheads
Color Mode	4-8 Colors(Optional: Single-row / Dual-row)		
Ink	Reactive ink, High-temperature dispersed ink, Pigment ink		
Droplet Size	5 / 7 / 12 / 18 pl		
Ink Capacity	Self Defined		
MATERIAL WINDING DRYING			
Print Media	Natural fibers and blended woven fabrics, etc.		
Max. Print Width	1830 mm		2588 mm
Max. Media Width	1850 mm		2650 mm
Applicable Media Weight	50 g/m²-300 g/m²		
Media Feeding	Woven / Knit / Both, three options (pre-set)		
Outfeed	Fabric trolley		
ELECTRICITY AIR WATER ①			
Power	70 kW		100 kW
Dryer Types	Steam (standard), Electricity, Thermal oil, Natural gas		
Printer Voltage	AC380 V ±10%, three-phase 50 Hz / 60 Hz		
Air Pressure / Volume	0.6-0.8 Mpa 1 m³/hr (dry,oil-free and moisture-free)		
Standard Water Pressure	0.2 - 0.3 Mpa		
PEINTER ENVIRONMENT			
Printer Temperature	23 -28°C(73-82°F)		
Printer Humidity	45-65%(non-condensing)		
INSTALLATION DIMENSIONS			
Printer Measurement(L*W*H) (Fabric Feeding+Conveyor + Printing)	14300 mm*4500 mm*3000 mm		14300 mm*5300 mm*3000 mm
Dryer Measurement(L*W*H)	15000 mm*4300 mm*2800 mm		15000 mm*5100 mm*2800 mm
Installation Site Requirement ①② (L*W*H)	32000 mm*8500 mm*4000 mm		32000 mm*9300 mm*4000 mm
WEIGHT			
Printer Net Weight	24 T		26 T
Printer Weight With Packing	26 T		28 T

① Assuming 3 dryers; ② Not a standard requirement for machine installation and can be flexibly adjusted based on on-site conditions.

PRINTING INFORMATION		
Model	ROCKET 1200	ROCKET 3200
Max. Resolution	1200*2400 DPI	
Max. Print Speed	90 m/min (Dual-row Circulating Printhead)	
	80 m/min (Dual-row Non-circulating Printhead)	
	50 m/min (Single-row Circulating Printhead)	
Print Mode	Single Pass	
Printhead(Optional)	Industrial Grade Piezoelectric Printhead (Optional: Circulating printhead / Non-circulating printhead)	
No.of Printheads	Max. 176 Printheads	Max. 448 Printheads
Color Mode	4-8 Colors(Optional: Single-row / Dual-row)	
Ink	Reactive ink	/
Droplet Size	5 / 7 / 12 / 18 pl	
Ink Capacity	Self Defined	
MATERIAL WINDING DRYING		
Print Media	Natural fibers and blended woven fabrics, etc.	
Max. Print Width	1185 mm	3020 mm
Max. Media Width	1250 mm	3050 mm
Applicable Media Weight	50 g/m²-300 g/m²	
Media Feeding	Woven / Knit / Both, three options (pre-set)	
Outfeed	Fabric trolley	
ELECTRICITY AIR WATER ①		
Power	50 kW	120 kW
Dryer Types	Steam (standard), Electricity, Thermal oil, Natural gas	
Printer Voltage	AC380 V ±10%, three-phase 50 Hz / 60 Hz	
Air Pressure / Volume	0.6-0.8 Mpa 1 m³/hr (dry,oil-free and moisture-free)	
Standard Water Pressure	0.2 - 0.3 Mpa	
PEINTER ENVIRONMENT		
Printer Temperature	23 -28°C(73-82°F)	
Printer Humidity	45-65%(non-condensing)	
INSTALLATION DIMENSIONS		
Printer Measurement(L*W*H) (Fabric Feeding+Conveyor + Printing)	14300 mm*3900 mm*3000 mm	14300 mm*5900 mm*3000 mm
Dryer Measurement(L*W*H)	15000 mm*3700 mm*2800 mm	15000 mm*5700 mm*2800 mm
Installation Site Requirement ①② (L*W*H)	32000 mm*7900 mm*4000 mm	32000 mm*9900 mm*4000 mm
WEIGHT		
Printer Net Weight	22 T	30 T
Printer Weight With Packing	24 T	32 T

① Assuming 3 dryers; ② Not a standard requirement for machine installation and can be flexibly adjusted based on on-site conditions.