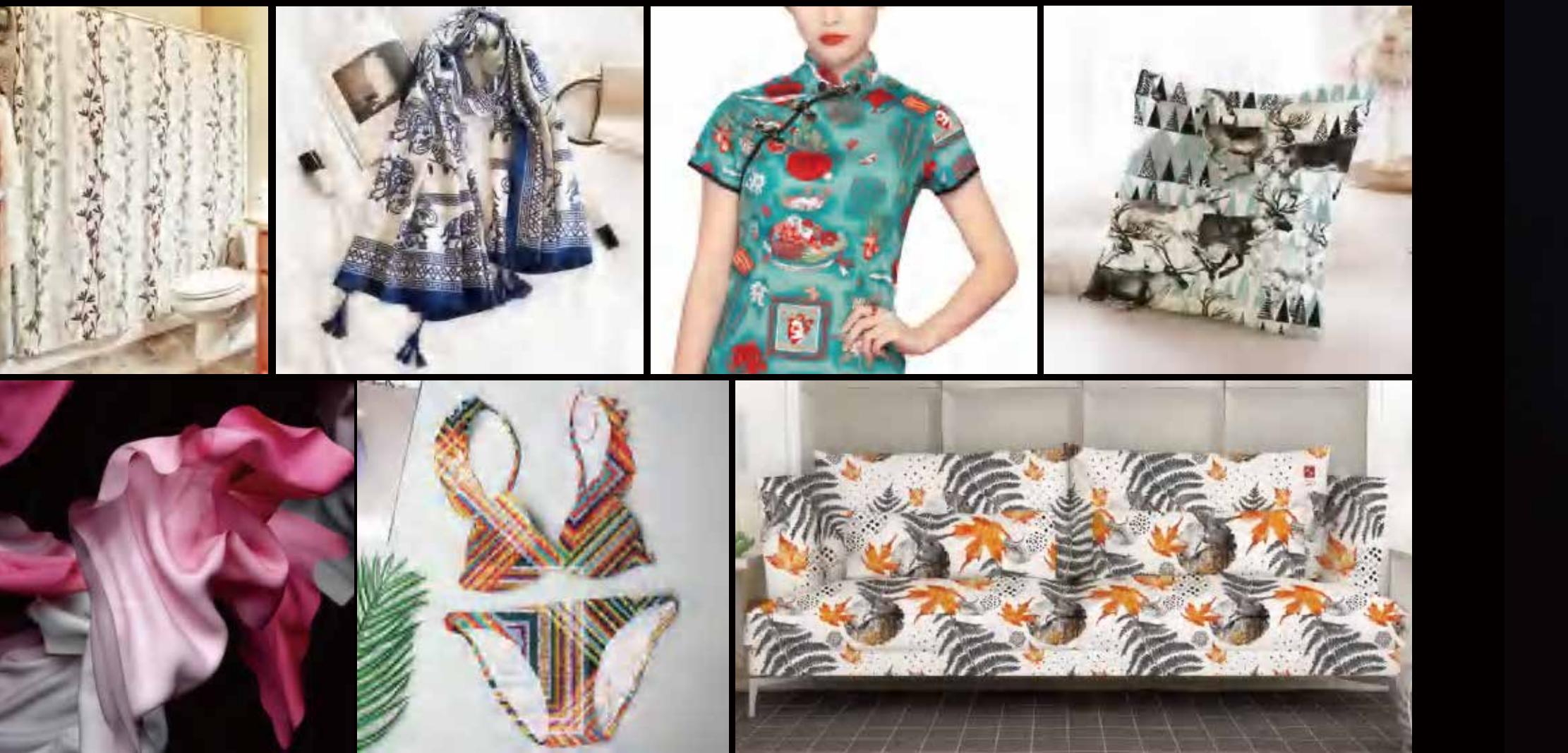


## Online Sizing Flat Bed Screen+Digital Textile Printer

High-definition quality to meet the needs of different types of high-speed textile printing



## DA18FS Hybrid

### Online Sizing Flat Bed Screen+Digital Textile Printer

64Kyocera industrial print heads, print speed up to 1080m<sup>2</sup>/h (@2pass)

High efficiency, low cost, flexible combination of multiple processes to shape the excellent quality of printing, ultra-high cost-effective to meet the needs of high-volume printing production.

#### Online sizing technology: realisation of hybrid technologies and process combinations

DA188FS Hybrid series online sizing flat bed screen digital textile printing machine, using high-speed digital textile printing technology equipped with a mature online sizing flat bed screen machine. Through the special combination and control system, the combined systems of digital textile printing, flat bed screen and online sizing mechanism work in perfect coordination, giving full play to the advantages of each system, maximising production capacity, and adapting to high-volume and high-quality printing production. Special or customised processes can also be realised using flat bed screens.

#### Wet paste process: Reduced ink usage, good penetration, vibrant colours

The use of mature "wet" printing technology, the best colour penetration after the application of wet paste, ink permeability enhancement, reduce the use of ink at the same time, improve ink penetration, colour uniformity and fullness, improve colour saturation and ink colouring rate.

#### Perfectly compatible: the self-developed control system is perfectly compatible with flat bed screen models

HPRT's self-developed control system, integrated design of the machine base, tension-free uninterrupted fabric feeding mechanism, sizing and digital automatic register alignment, tension-free drying, and other system combinations run smoothly, paving the way for high-volume printing production.

#### Technical Specifications

Model	DA18FS Hybrid
EN-Name	Online Sizing Flat Bed Screen+Digital Textile Printer
PrintHead	Kyocera PrintHeads 64pcs
Max Effective Printing Width (mm)	1800
Max Fabric Feeding Width (mm)	2000
Resolution (dpi) (Selection of model based on client needs)	High Speed Model 1 @508*600dpi   1pass High Speed Model 2 @600*600dpi   1pass Normal Speed Model 1 @508*1200dpi   2pass Normal Speed Model 2 @600*1200dpi   2pass Quality Model 1 @508*1800dpi   3pass Quality Model 2 @600*1800dpi   3pass High Speed Model 1 @508*600dpi   1pass: 2160 High Speed Model 2 @600*600dpi   1pass: 1920 Normal Speed Model 1 @508*1200dpi   2pass: 1080 Normal Speed Model 2 @600*1200dpi   2pass: 960 Quality Model 1 @508*1800dpi   3pass: 720 Quality Model 2 @600*1800dpi   3pass: 640
Printing Speed (m <sup>2</sup> /hr) (Selection of model based on client needs)	Reactive, acid, pigment, disperse, high temperature disperse 8 colours: C, M, Y, K, O, B, R, G Cotton, linen, silk, nylon, polyester, blends, elastic fabrics and new fibre woven and knitted fabrics
Ink Types	Automatic ink supply system, automatic degassing and automatic negative pressure system
Ink Colours	Automatic cleaning and wethold system
Print Medium	Automatic detection of system with medium exceeding height limits, Adjustable belt deviation rectification system
Ink supply system and Degassing system	Industrial Touch Screen Control
Printhead Cleaning & Maintenance	HPRT RIP, Neostampa
Height Limit Detection and Deviation Rectification	6800*2000*2400 (Digital textile printer only, not including flat bed screen machine)
Operation Interface	4000 (Digital textile printer only, not including flat bed screen machine)
RIP System	Printer 9KW (Digital textile printer only, not including flat bed screen machine)
Machine Size: L*W*H (mm)	AC380V   three-phase, five-wire system   18A(9KW)   50Hz/60Hz (Digital textile printer only, not including flat bed screen machine)
Weight (Kg)	0.6MPa   1m <sup>3</sup> /hr (Dry, oil-free, no vapour)
Power (Kw)	According to the customer's needs, add flat bed screen to achieve special Technological combinations
Power Supply Requirements	20-30°C 45%-75% (No condensate generation)
Air Supply Requirements	OEKO-TEX, AATCC, CE
Working Temperature	Freedom of equipment combination and high efficiency
Operating Humidity	Wet base paste improves colour saturation, increases colour uptake and reduces ink consumption
Certification	



## Perfect Detail Experience

 Circular bed screen online sizing+Digital textile printing+Flat bed screen mixing process

 High-speed digital printing with multiple printhead combinations

 According to the customer's needs, add flat bed screen to achieve special Technological combinations

 Circular bed screen online sizing, Without any rough printing spots, No jitter, Uniform sizing, No splicing defects, Full colour penetration, Brightly coloured

 Freedom of equipment combination and high efficiency

 Wet base paste improves colour saturation, increases colour uptake and reduces ink consumption