

ARGON Printing Solutions

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DA18FS Hybrid

Online Sizing Flat Bed Screen+Digital Textile Printer

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



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64Kyocera industrail print heads,print speed up to 1080m²/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
Printing Speed (m ² /hr) (Selection of model based on client needs)	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
Ink Types	Quality Model 1 @508*1800dpi 3pass: 720
	Quality Model 2 @600*1800dpi 3pass: 640
	Reactive, acid, pigment, disperse, high temperature disperse
Ink Colours	8 colours: C, M, Y, K, O, B, R, G
Print Medium	Cotton, linen, silk, nylon, polyester, blends, elastic fabrics and new fibre woven and knitted fabrics
Ink supply system and Degassing system	Automatic ink supply system, automatic degassing and automatic negative pressure system
Printhead Cleaning & Maintenance	Automatic cleaning and wethold system
Height Limit Detection and Deviation Rectification	Automatic detection of system with medium exceeding height limits, Adjustable belt deviation rectification system
Operation Interface	Industrial Touch Screen Control
RIP System	HPRT RIP, Neostampa
Machine Size: L*W*H (mm)	6800*2000*2400 (Digital textile printer only, not including flat bed screen machine)
Weight (Kg)	4000 (Digital textile printer only, not including flat bed screen machine)
Power (Kw)	Printer 9KW (Digital textile printer only, not including flat bed screen machine)
Power Supply Requirements	AC380V three-phase, five-wire system 18A(9KW) 50Hz/60Hz (Digital textile printer only, not including flat bed screen machine)
Air Supply Requirements	0.6MPa 1m ³ /hr (Dry, oil-free, no vapour)
Working Temperature	20~30°C
Operating Humidity	45%-75% (No condensate generation)
Certification	OEKO-TEX, AATCC, CE



Perfect Detail Experience

-  Circular bed screen online sizing+Digital textile printing+Flat bed screen mixing process
-  According to the customer's needs, add flat bed screen to achieve special Technological combinations
-  Freedom of equipment combination and high efficiency

-  High-speed digital printing with multiple printhead combinations
-  Circular bed screen online sizing, Without any rough printing spots, No jitters, Uniform sizing, No splicing defects, Full colour penetration, Brightly coloured
-  Wet base paste improves colour saturation, increases colour uptake and reduces ink consumption