

ARGON Printing Solutions

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ARGON
DA182T Plus
PRT

High-speed Roll to Roll Dye Sublimation Digital Textile Printer

Improve the printing speed and quality



DA182T Plus

High-speed Roll to Roll Dye Sublimation Digital Textile Printer

8 Kyocera industrial print heads, print speed up to 650m²/h

The dye sublimation printing process improves the printing speed, gets the pattern splicing coherent and exquisite, and enables the color more gorgeous. The excellent printing quality will enhance the consumer experience, and empower the industry users to achieve win-win situation in the quality and cost.

Superior print head for higher productivity

The huge daily order volume requires the equipment with the higher productivity. DA182T series textile printer adopts industrial high-speed Kyocera print head, and maximizes the productivity of the print head through the special combination and the control system, which improves the printing efficiency in an all-round way.

Combination of the quality and speed, high definition output

Through unique drive design and ink supply system design, DA182T series printing machines can use disperse ink, high temperature disperse ink, etc. to realize more accurate ink droplet injection, bringing out image-level printing quality.

Shown with ingenuity, easy to operate

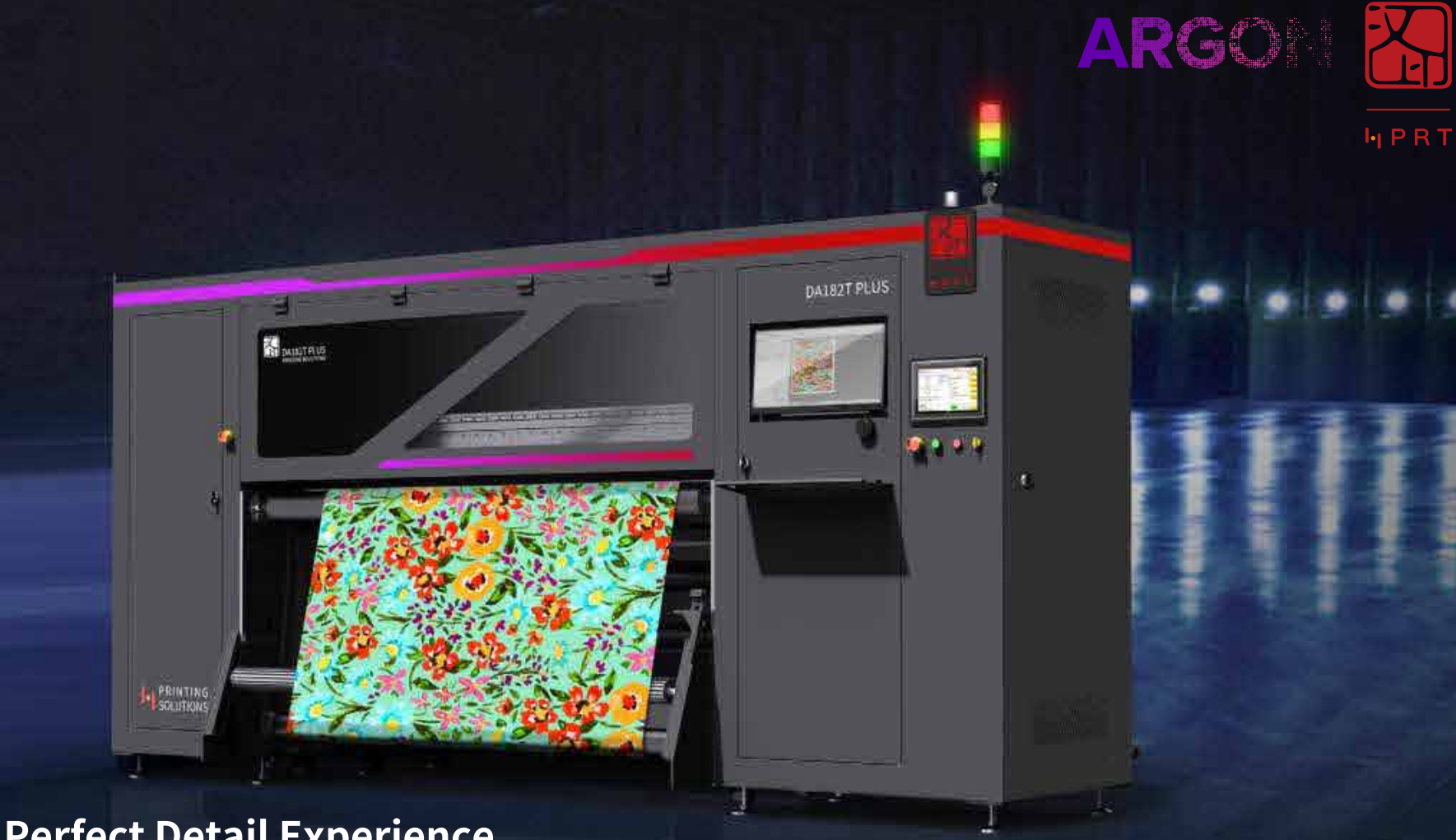
The design of automatic cleaning system and moisturizing system can reduce the risk of print head blockage, which will improve the output stability of the equipment, making it possible for only one person to operate the machine.

Reduce printing cost, impeccable

The large-capacity floor-mounted ink supply system can greatly reduce the ink replacing frequency, and can support a minimum of 31g/m² of thin paper printing, which enables to reduce the material loss and the printing cost, from the proofing to the mass production.

Technical Specifications

Model	DA182T PLUS		
Name	High-speed Roll to Roll Dye Sublimation Digital Textile Printer		
Print heads	Kyocera Print heads, 8H		
Max. Print Width (mm)	1850		
Max. Paper Width (mm)	1900		
Resolution (dpi) (Multiple modes available)	High speed mode 1 @400*600dpi 1pass	High speed mode 2 @508*600dpi 1pass	
	High speed mode 3 @600*600dpi 1pass		
	General mode 1 @400*1200dpi 2pass	General mode 2 @508*1200dpi 2pass	
	General mode 3 @600*1200dpi 2pass		
	Quality mode 1 @400*1800dpi 3pass	Quality mode 2 @508*1800dpi 3pass	
Max. Diameter of Internal Rewind and Unwind Paper Holder (mm)	Φ1000(1200Kg/10km roll)		
Printing Speed (㎡/hr) (Multiple modes available)	High speed mode 1 @400*600dpi 1pass:650	High speed mode 2 @508*600dpi 1pass:540	
	High speed mode 3 @600*600dpi 1pass:480		
	General mode 1 @400*1200dpi 2pass:325	General mode 2 @508*1200dpi 2pass:270	
	General mode 3 @600*1200dpi 2pass:240		
	Quality mode 1 @400*1800dpi 3pass: 217	Quality mode 2 @508*1800dpi 3pass:180	
	Quality mode 3 @600*1800dpi 3pass:160		
Ink Type	Disperse, high temperature disperse,Pigment ink		
Ink Color (Color configuration according to customer demand and process)	C, M, Y, K, O, R, B, GR, Lk, Lm, Lc, FM, FY		
Print medium	Sublimation paper/Grainy paper/Film paper/Wallpaper		
Drying method	Hot air with constant temperature		
Ink supply system and Degassing system	Automatic ink supply system, automatic degassing and automatic negative pressure system		
Printhead Cleaning and Maintenance	Automatic Cleaning & Moisturising System		
Over-height limit detection and Rectification	Auto detection of media exceeding the height limit, paper feeding deviation rectification system		
Operation Interface	Front and rear touch screen controls		
Computer operating system and hardware requirements	OS: windows 10 and above		
	CPU: main frequency 3.6GHz (4 cores) and above		
	HD: 1TB and above SSD		
	RAM: 16GB and above		
Supported image types	JPG/TIFF/BMP/others		
RIP System	HPRT RIP, Neostampa, MtColor-Zero System		
Machine Dimensions:L*W*H (mm)	Printer Dimension: 3860*1350*1910		
	Roll Holder Dimension: 2365*1200*1300(10km roll)		
	4040*2480*2240(Land transportation) 4040*2240*2210(ocean shipping)		
Packing Dimensions:L*W*H (mm)			
Weight (kg)	2500(Without packing box)		
Power consumption	Printer≤10		
Power Supply	Printer: AC380V three-phase five wire system 28A (6KW) 50Hz/60Hz		
	Drying mahicne: AC380V three-phase five wire system 26A(16.8KW) 50Hz/60Hz		
Compressed Air Supply	0.6MPa 1m³/hr (Dry, oil-free and vapor-free)		
Operating Temperature	20-30°C		
Operating Humidity	45%-70% (Non-condensing)		
Certification	OEKO-TEX AATCC		



Perfect Detail Experience

- The operation of rewinding and unwinding is simple, and the flattening effect of printing paper is excellent
- The ultra-high detection, as the perfect protection to the print head
- The high degree of automation, the easy operation to support one-touch print head cleaning and one-touch moisturizing for the print head
- Modular design makes maintenance of each part convenient and simple
- Make full use of machine space, no redundancy
- Quick and convenient ink replacing