

High Speed

Digital Textile Printer



DCK 1618/1634

Digital Printing System

- 8 to 16 Kyocera KJ4B printheads, 8 colour printing.
- Production speed in 2 pass - up to 4400 sq.mtr/day (1.8m) and up to 5600 sq.mtr/day (3.4m)
- Textile unwinding, printing, drying and winding system.
- Variable drop, 4 level grey scale.
- Printing width - 1.8m/3.4m (Optional for home textile).
- Outstanding reliability and precision.

**Fully functional high speed digital textile printer.
Reliable and Versatile.**



DCK 1634

3.4m wide width printer for home textile

Features to support continuous printing

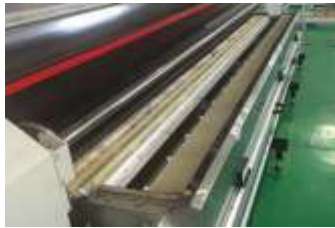
- Sensors to check fabric feeding / raised fabric.
- High precision servo motor drive.
- Print head protection sensors.
- Full featured textile unwinding system.
- Fabric wrinkle removal roller.
- Fabric press down roller with pressure adjustment.
- Print head height adjustment to support different fabrics.
- Automatic blanket washing and drying system.



**Kyocera KJ4B
Series printhead**

Degassing, auto ink cleaning and replacement system

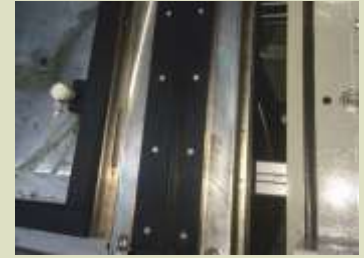
- Cleaning liquid circulation system with built in high precision regulator, air valve and manifold system which helps ink changing process to complete within 2 hours.
- Ink supply – individual color ink supply system will flow back all ink into tank, reduce ink wastage during head cleaning.
- Print head heat regulator – always maintains print head heat at 32°C, prevent print head from over heating during the printing process.



Belt cleaning system

Spray nozzle, wiper blades (X 2) and sponge roller

Print head cleaning system



- Spray nozzle + vacuum blade.
- No physical contact with wiper.
- Use of distilled water, keeps print heads ultra clean for long life.



Print head carriage movement bar

Print head carriage assembly for 16 Kyocera print heads



Laser Sensor Detection:

Front and back laser sensor detection effectively detect uneven or wrinkled fabric, pausing printing process. Hence, protects print head

Front laser sensor



Back laser sensor



1st level filter

Ink Filtering System:

- High quality ink filter capsule from PALL USA
- 2 level ink filter system to ensure purity of ink (LCF – last chance filter) which removes any foreign material present in ink.



2nd level filter

Fabric Feeding Process



Pressing roller to stick fabric onto printing blanket

Centering unit and fabric expander unit

Spiral roller – anti wrinkle design

Air Shaft Fabric (2" diameter) feeding system, up to 500meter length of fabric



Technical Specifications*

Model	DCK 1618		DCK 1634	
Print width	1900 mm		3475 mm	
Fabric Width	1850 mm		3430 mm	
Print heads	8 to 16 Kyocera print head (optional)			
Variable Drop Size	4 level grey scale with jetting volume of 5, 7, 12 or 18pl per line / head			
Nozzle Height	5 to 50 mm			
Ink Type	Reactive, Disperse, Acid & Pigment ink			
Ink colours (8 colors)	Cyan, Yellow, Magenta, Black, Orange, Red, Gray & Blue			
*Drying system	Optional-as per customer requirement			
Ink System	Individual color channel with cleaning liquid circulation through degassing & LCF filter			
Material feeding	Minimum 100m length, adhesive blanket with pressing device for anti-wrinkle			
Washing unit	Washing tank with brush and wiper, modular design and easy to maintain			
Media Input	Automatic feeding with tension control, wrinkle removal and fabric press			
Media Type	Cotton, Polyester & Nylon			
Media speed	2 Pass	219 sq.mtr/hr.	281 sq.mtr/hr.	
	3 Pass	152 sq.mtr/hr.	193 sq.mtr/hr.	
	4 Pass	117 sq.mtr/hr.	147 sq.mtr/hr.	
Print Resolution	600 x 600 dpi, 600 x 1200 dpi, 1200 x 1200 dpi & 1200 x 2400 dpi			
Passes	1, 2, 4, 8			
Rip Software	NeoStampa			
Operating Environment	25°C temperature , Relative humidity: 55% – 65 %			
Power Supply	380 Volt, 3-PHASE + N + Ground ,50 Hz, Earthing : 0-3 V			
Compressed Air	6 bar (25 cfm)			
Printer Dimension (L x W x H)mm	5590 x 2490 x 2000		7200 x 2490 x 2000	
Dryer with Take-up(L x W x H)mm	2200 x 2750 x 2050		4000 x 2750 x 2050	
Printer Weight	3500kgs		4000kgs	

*Specifications are subject to change without prior notice



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