

# *Sustainable* Future of Textile Printing

Digitalizing your Printing Needs





# Designing Leadership in Textile Industry with High Quality & High Speed Textile Printing

**ColorJet Group** - the wide-format digital textile print technology leader, welcomes you to the world of limitless design possibilities.

The company was founded in 1995 and has since been known for its industry-leading performance. It is one of the top global exporters of wide-format printers and provides world-class fabric printing solutions. ColorJet's digital textile machines are revolutionizing the world of textile printing with their robust performance, lowest downtime, high value addition and quick ROI.

ColorJet Group provides an organized, complete solution to meet the requirements of fabric processing houses, printing mills, export houses, and new investors who want to kick start their digital textile printing project foreseeing the fast fashion trends & abrupt reduction of the supply chain. Our experienced team of professionals is here to recommend and give the

total plan of the digital printing project irrespective of the type of fibre (cotton, polyester, nylon, silk, wool), type of inks (reactive, disperse, sublimation, pigment, acid), type of applications (fashion apparels including formal wear, ethnic wear, swimwear, sports wear, home textile, technical textile and many others), size of business or any other customization as provided by the customer.

ColorJet has a global presence. Over 4000 machines have been installed across 450 cities, and its benchmarked performance parameters have established it as a highly reputed and chosen brand worldwide, encouraging ColorJet to compete with the best.

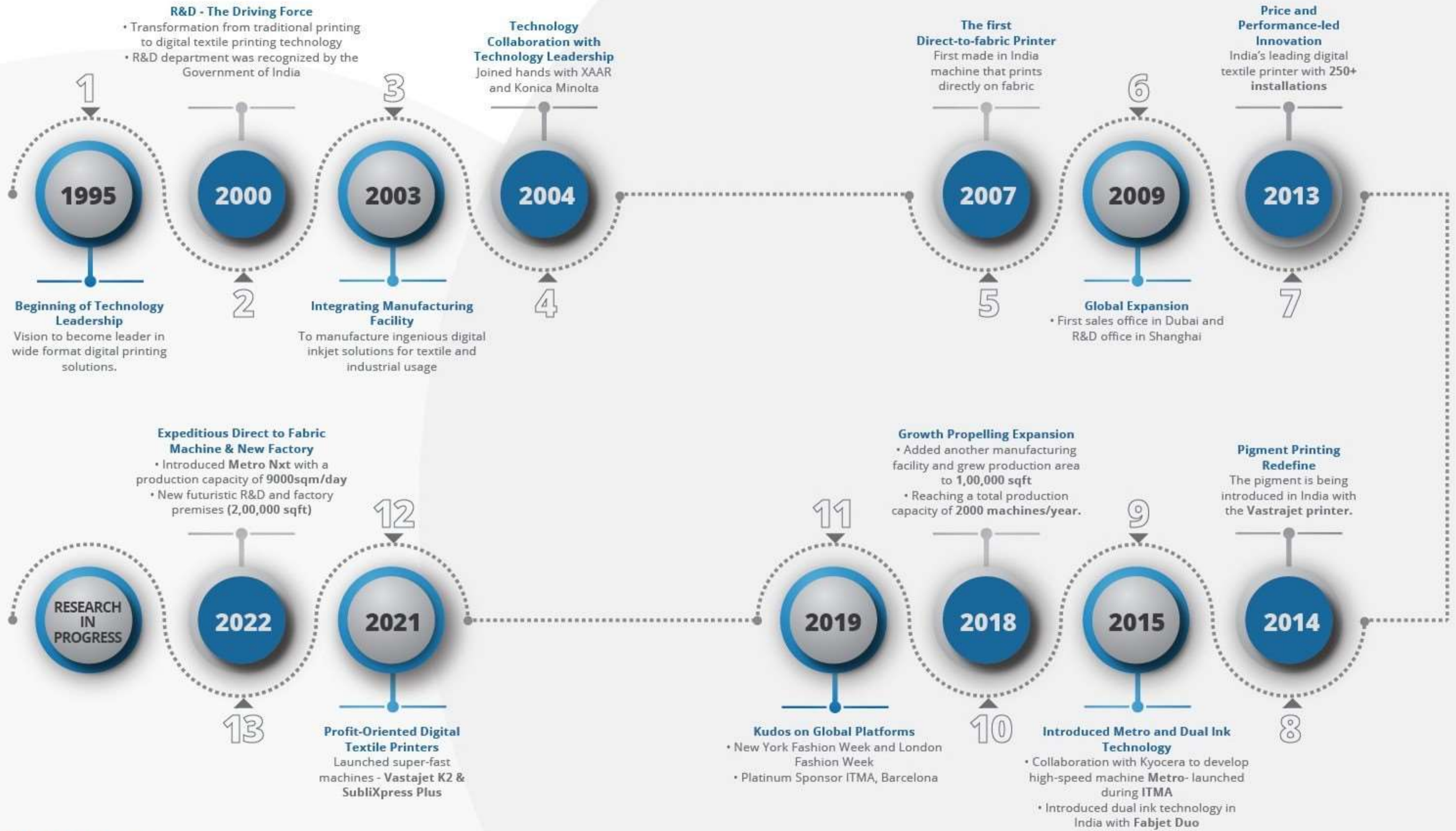
Maintaining its leadership position through its globally reputed deep commitment to Technological Innovation, Strong Outreach & Service Infrastructure, and Complete Customer Focus, the high-productivity machines by ColorJet are designed to meet today's challenges and handle tomorrow's textile production requirements.



- 1 India's largest manufacturer of large format digital printers
- 2 R&D department recognised by Ministry of Science & Technology, Govt. of India
- 3 20+ yrs of experience in wide format digital textile print technology
- 4 Offering complete solution from pre to post in digital textile printing process



# TIMELINE OF SUCCESS





# VASTRAJET®

1.8 Mtr Direct To Fabric Printer

With a Massive Production Capacity of 3000 sqm/day

VASTRAJET is a workhorse of the fashion industry when it comes to creating unique & vibrant designs.

The machine comes with maximum capabilities and applications for maximum business & can effortlessly print on most elastic or sheer fabrics.

Heavy-duty design with a rigid structure makes the machine suitable for rigorous industrial operating conditions.



## PRINT SYSTEM

- With 8/16 Industrial grade jetting assemblies heads for long service life
- Proprietary AIVC technology for consistent print quality even under varying ambient conditions
- Supports binary drop or variable drop printing to produce sharp images, vivid colours and greyscale effects
- Capping station and piezoelectric actuators to keep inkjet nozzles adequately hydrated when idle
- Inbuilt humidifier to keep print head hydrated

## FABRIC FEED AND TAKE-UP SYSTEM

- Fabric unwinding regulated to keep constant tension from start to finish
- Adhesive conveyor belt keeps fabric flat and in place for accurate printing and prevent creases in fabric while printing
- Winding with torque motor for continual unattended printing of fabric rolls

## FABRIC HANDLING TREATMENT

- Equipped with water jets and brush roller to wash excess ink and lint
- Super absorbent roller to ensure removal of residual moisture
- Belt dryer ensures that completely dry belt surface is available for fresh fabric feed

## INFRARED DRYER

- Compact inbuilt infrared dryer for quick drying of printed ink on fabric
- Uses power efficient radiation for minimal heat dissipation into surroundings

## RIP

- Machine comes preloaded with Colorjet edition of the RIP software with advanced colour management engine and colour processing tools
- Fabric specific ICC profile for smooth gradations, vibrant colours for superior print quality

## INK SYSTEM

- Quick response pumps to avoid ink starvation during printing
- On the fly ink refill
- 3.9 litre ink tanks for long ink refilling cycles
- Advanced degassing and de-bubbling - removes bubbles that may have formed during ink refills; avoids head blockage during high speed printing
- Inline filters for keeping out impurities or larger particles from print head



# Max Capabilities & Applications for Max Business

## SPECIFICATIONS

VASTRAJET								
CONFIGURATION			C4812	C8812	C4824	C8824	C8164	
Printing Technology			Drop-on-demand, Piezoelectric Inkjet					
No. of Print Heads			8	8	8	8	16	
Print Heads	Type	Industrial Grade Jetting Assemblies						
	Resolution	Upto 1440 DPI						
	Height Adjustment	Upto 5 mm						
	Cleaning Method	Pressure Purge and Wiping						
	Wetting Control	Piezoelectric Actuators						
Ink	Type	Reactive / Disperse / Pigment / Acid						
	No of colors	4	8	4	8	8		
	Supply	3.9 Ltr, bulk ink supply system with inline degassing						
Fabric	Type	Cotton, Viscose, Polyester, Polyamide, Silk, Wool						
	Max. Thickness	Upto 5 mm						
	Fabric Width	1800 mm						
	Printing Width	Upto 1800 mm						
	Roll Diameter	Upto 450 mm						
Fabric Drying System			Infrared Heaters					
Operating Interface	High Speed USB		Touch Screen					
Printing Interface			2.0	2.0	2.0	2.0	3.1	
Rip Software Supported			RIP Master or NeoStampa (ColorJet Edition)					
File Format			JPEG / TIFF / BMP / PDF (RGB / CMYK)					
Power Supply			220 V, 35 A Single / Three phase load distribution, 50kw					
Operating Conditions			Temperature: 24°C ± 4 Humidity: 64% ± 10% RH					
Outer Dimension / Weight			3950 mm x 1500 mm x 1600 mm (LxWxH) / 1200 kg Approx.					
Speed (In Sq. Meter/Hrs)	Print DPI	Passes	C4812	C8812	C4824	C8824	C8164	
Mode 1	360 x 360	2	116	68	-	-	-	
Mode 2	360 x 540	3	90	53	-	-	-	
Mode 3	360 x 720	4	63	37	-	-	-	
Mode 1	540 x 720	2	-	-	161	87	145	
Mode 2	540 x 1080	3	-	-	98	59	100	
Mode 3	540 x 1440	4	-	-	75	43	76	
Mode 4	720 x 720	4	-	-	65	35	58	
Mode 5	720 x 1080	6	-	-	38	23	39	
Mode 6	720 x 1440	8	-	-	31	18	32	

THE FLAMBOYANCE  
VASTRAJET™



For more info,  
scan QR code





# COLORJET DELIVERS IMPECCABLE PRINT RESULTS & FLAWLESS SERVICE ACROSS THE WORLD



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