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





Egypt 💕



**OF WIDE FORMAT** 

AT 7<sup>TH</sup> ANNUAL IMAGING

SOLUTION AWARDS

Ethiopia 💕

Uganda 💕 Kenya 🕻



IDC Quarterly Large Format Printer Tracker Q4 2019 - Superwide



#### **RISING STAR OF ASIA AWARD**

AT THE INDO-ASEAN GLOBAL INVESTMENT SUMMIT, BANGKOK, THAILAND



AT INDIAN BRAND CONVENTION BAM AWARDS 2017

### **COLORJET GROUP**

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Accessories shown along with different printers in this brochure are not part of standard equipment. The final results of ColorJet are purely indicative and non-binding. Alterations and amendments can occur in specifications, materials or accessories without prior notice. Periodic maintenance is important for best quality output. ColorJet shall not be liable for any special or consequential damages that result from the use of, or the inability to use, the materials or the performance of the products. All trademarks, logos, symbols and designs depicted / mentioned in this brochure are trade names, trademarks and copyrights of their respective brand owners.

🕻 Nepal Bangladesh

India 💕

Thailand 💕

💕 Sri Lanka

💕 Australia

#### **INDIA'S LARGEST MANUFACTURER**

**DIGITAL PRINTERS AWARD** 



New Zealand

**Faster Production Superior Colour and Quality Unlimited Applications** 



# nitalizino Printing with ColorJet





# 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, sustainable manufacturing, lowest downtime, high value, and ROI.

ColorJet Group provides an organized, complete solution to meet the requirements for chemical 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, blends), type of ink (reactive, disperse, 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.





1.6 to 3.2 mtr printed width

26 yrs of experience in wide format printing

Excellent price-performance ratio

R&D Department recognised by the Dept. of Science & Technology, Govt. of India

## METRO 1.8 Mtr Direct To Fabric Printer An Advanced Machine that Prints Magic on a Variety of Fabrics

A machine designed with years of experience in delivering wide format printers for industrial applications. Practical field experience, in-house R&D and the passion to deliver a machine that would produce on fabric the visualisation of a designer, resulted in a machine that can be compared with the best in the world for the lowest payback.

#### **PRINT SYSTEM**

- With 4/8/16 Industrial grade JETTING ASSEMBLIES for long service life
- Linear motor technology to support high speed traverse of print heads without compromising on precision necessary for fault free printing
- Proprietary AIVC (automatic intelligent voltage controller) technology for consistent print quality even under varying ambient conditions
- Supports binary or variable drop printing to produce sharp images, vivid colours and greyscale effects
- Automatic periodic purging and wiping system to remove lint or coagulated ink from the print head surface



#### FABRIC FEED AND TAKE-UP SYSTEM

- Independent fabric feed module with spreader roll to help remove wrinkles if any
- Dancing roll and guide roll to feed fabric with even tension
- High quality adhesive belt for accurate feeding and placement of woven or knitted fabric
- Adjustable Dancing roll with counter weights coupled with geared motor for gentle unwinding and winding of fabrics
- Air inflatable shaft for ease of loading and doffing printed fabric

#### ADHESIVE BELT CLEANING SYSTEM

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

#### **INFRARED DRYER**

 Independent ink dryer module using power efficient radiation for minimal dissipation of heat to 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**

- Advanced degassing and de-bubbling avoids head blockage during high speed printing
- Low ink warning for operator attention
- On the fly ink refill
- Transparent 10 litre glass ink tanks for long ink refilling cycle with independent ink level sensors
- Inline filters for keeping out impurities or larger particles from print head



### **SPECIFICATIONS**

METRO					
CONFIGURATION			H8803	H8806	H8166
Printing Technology			Drop-on-demand, Piezoelectric Inkjet		
No. of Print Heads			8 KY	8 KY	16 KY
	Туре		Industrial Grade Jetting Assemblies		
Print Heads	Resolution		Upto 2400 DPI		
	Height Adjustment		Upto 30 mm		
	Cleaning Method		Pressure Purge and Wiping		
	Wetting Control		Piezoelectric Actuations		
Ink	Туре		Reactive / Disperse / Pigment / Acid		
	No of colors		8	8	8
	Supply		10 Ltr, bulk ink supply system with inline degassing		
Fabric	Туре		Cotton, Viscose, Polyester, Polyamide, Silk, Wool		
	Max. Thickness		Upto 10 mm		
	Max / Printing Width		Upto 1800 mm		
	Roll Diameter		400 mm		
Fabric Drying System			Infrared Heaters		
Operating Interface			Touch Screen		
Printing Interface			USB 3.1		
Rip Software Supported			ErgoSoft / NeoStampa (colorjet editions)		
File Format			JPEG / TIFF / BMP / PDF (RGB / CMYK)		
Power Supply			220 V, 104 A Single / Three phase load distribution, 50Hz		
Operating Conditions			Temperature: 18 to 28°C Humidity: 35 to 80% RH (non-condensing)		
Printer Dimension / Net Weight			5300 mm x 1840 mm x 2450 mm (LxWxH) / 4300 Kg Approx.		
Dryer Dimension / Net Weight			2560 mm x 1500 x 1350 mm (LxWxH) / 500 Kg Approx.		
Feeder Dimension / Net Weight			2350 mm x 800 mm x 1210 mm (LxWxH) / 617 Kg Approx.		
Speed (In Sq. Meter/Hrs)	Print DPI	Passes	H8803	H8806	H8166
Mode 1	600 x 300	1	256	- 2	
Mode 2	600 x 600	2	195	-	-
Mode 3	600 x 900	3	139	-	-
Mode 4	600 x 1200	4	109	-	-
Mode 5	600 x 600	1	-	210	362
Mode 6	600 x 1200	2		123	187
Mode 7	600 x 1800	3		88	151
Mode 8	600 x 2400	4		68	121



## The Ideal Solution for Maximum Business



# Advanced Printing Technologies

Innovative Digital Textile Printing Technologies introduced by ColorJet for Incomparable Outputs.



The **ColorJet AiS**<sup>™</sup> lowers the cost of operation and provides the customer flexibility to use ink of its own choice to fulfill multiple purpose.





Digital printers are the business lifeline of print solution providers. This makes the optimal life of the machine's entry and exit across a heavy utilisation and new technology development time-cycle critical. All ColorJet digital printers are designed & engineered through **3D simulation processes** at ColorJet's Innovation Laboratories and built optimally, to deliver phenomenal business value, income and an optimal exit point to customers.



Built from 100% galvanized steel





Built to ensure accuracy of every micron

Have functional structures designed & manufactured from aeronautical - grade hard-anodized aluminum

Optimal performance from concept to design to prototype to production stages

AiS™ offers specialized ICC profiles in line with new tech specs of new ink technologies

AiS™ provides full support to ensure optimized print performance

AiS™ works to ensure long life of print heads



Highest standard of aluminum and CNC



8 stage preparation process of design, chemical treatment, powder coating and paint



QA processes to ensure error-free performance

### **actcolor**™

Xactcolor<sup>™</sup> was born in response to problems that emerged from the market. Climate and weather condition-wise, India is a very diverse country. Temperatures from subzero to 50 degrees celsius and humidity from high dew point to absolutely arid. These diverse climatic conditions influence ink and media to behave differently across different temperature and humidity zones.



The ColorJet R&D team created **XACTCOLOR** to reconcile all usage conditions through printhead, mechanical capability and software technologies to **deliver consistent colour reproduction and detail under all applications and geographies.** 



Anti Seaming Technology (AST<sup>™</sup>) for superior quality at high speed.



High Sense Paper Tension regulator. It detects fluctuation in tension and corrects it almost instantly.



Maintains a consistent temperature throughout the print head for improved printing consistency. With the increase in head life, there is a significant reduction in maintenance requirements.





#### Kiloton<sup>™</sup> Technology

emerged from the Special Association of Technology of Konica Minolta with ColorJet to extend the print head life significantly.



A system of **Osci plus**<sup>™</sup> precise rollers offer efficient tension control and smooth feeding of the fabric irrespective of its parameter-gsm, weave, crimp, elasticity, skewness, making the machines flexible to be used with any fabric.



## Events

#### FASHION SHOWS Designer's Preferred Choice

ColorJet Styling Sustainable Fashion Printing in one of the topmost fashion shows in the world.

New York Fashion Week (NYFW) 2019





Watch Here



India Fashion Week London



India Fashion Week London, a well-known platform for fashion designers, wrapped up one of its most successful seasons in the presence of ColorJet Group.

Watch Here



#### COLORJET **GLOBAL CONNECT** Competing with the best





ITMA, Milan 2019