Sustainable Future of Textile Printing

ITMA 2023
Platinum Sponsor

![ColorJet logo]

COLORJET
Digitalizing Textile Printing

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.

CJ 4 PLUS
THE COLORJET ADVANTAGES

1 India's largest manufacturer of large format digital printers

2 R&D department recognised by Ministry of Science & Technology, Govt. of India
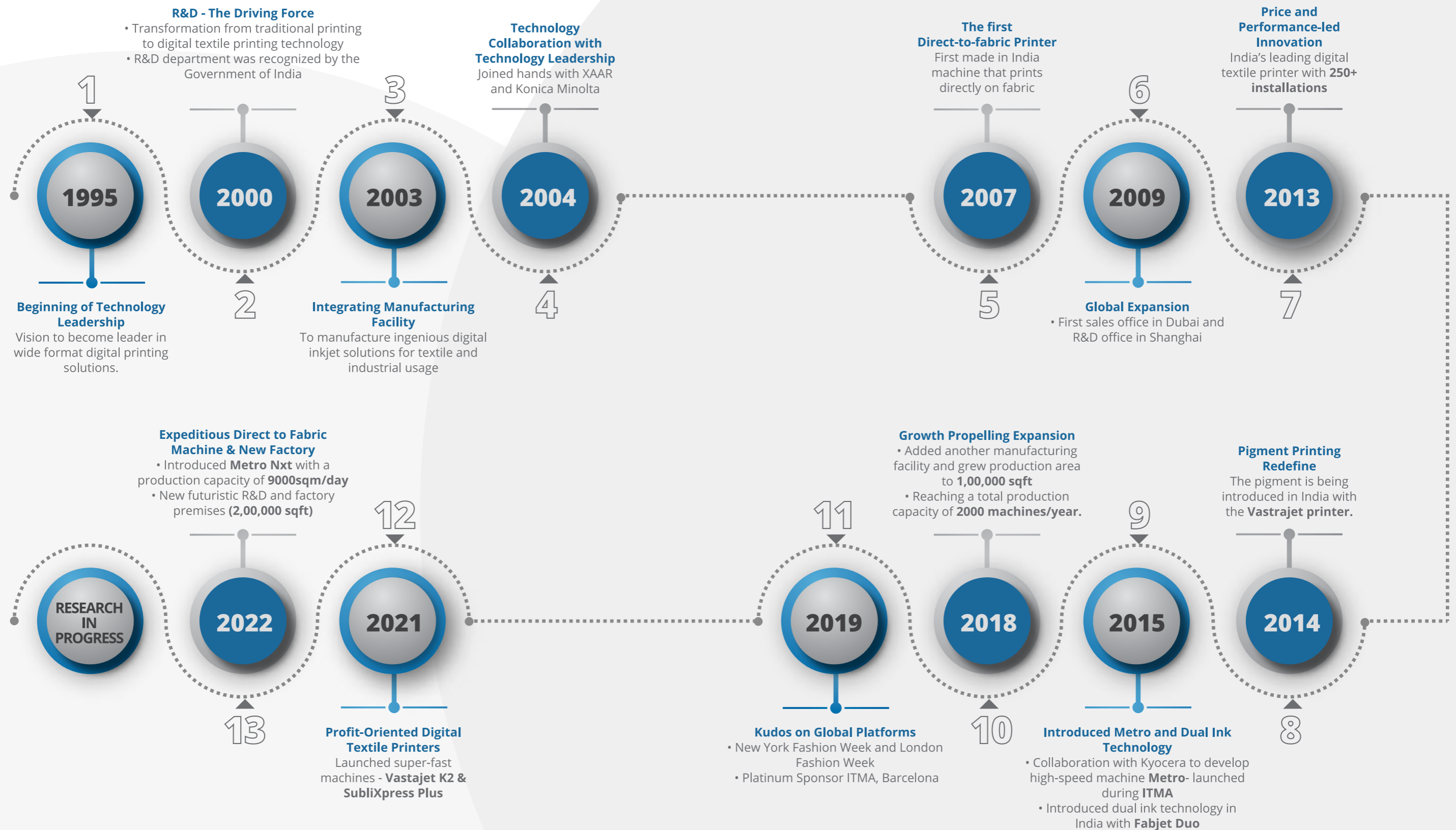
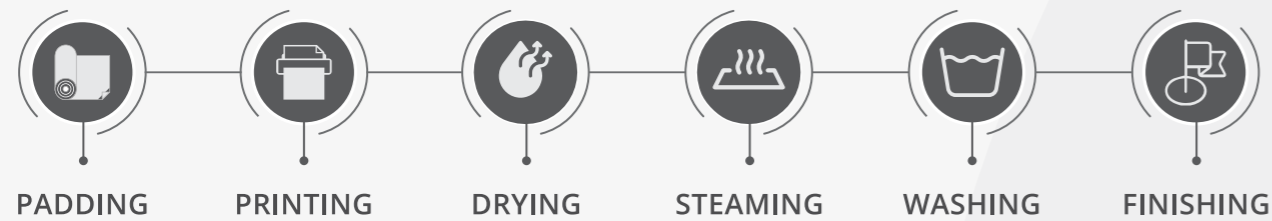**3** 20+ yrs of experience in wide format digital textile print technology

4 Offering complete solution from pre to post in digital textile printing process

TIMELINE OF SUCCESS

1 — 1995
Beginning of Technology Leadership
Vision to become leader in wide format digital printing solutions.

2 — 2000
R&D - The Driving Force
• Transformation from traditional printing to digital textile printing technology
• R&D department was recognized by the Government of India

3 — 2003
Integrating Manufacturing Facility
To manufacture ingenious digital inkjet solutions for textile and industrial usage

4 — 2004
Technology Collaboration with Technology Leadership
Joined hands with XAAR and Konica Minolta

5 — 2007
The first Direct-to-fabric Printer
First made in India machine that prints directly on fabric

6 — 2009
Global Expansion
• First sales office in Dubai and R&D office in Shanghai

7 — 2013
Price and Performance-led Innovation
India's leading digital textile printer with **250+ installations**

8 — 2014
Pigment Printing Redefine
The pigment is being introduced in India with the **Vastrajet printer**.

9 — 2015
Introduced Metro and Dual Ink Technology
• Collaboration with Kyocera to develop high-speed machine **Metro**- launched during **ITMA**
• Introduced dual ink technology in India with **Fabjet Duo**

10 — 2018
Growth Propelling Expansion
• Added another manufacturing facility and grew production area to **1,00,000 sqft**
• Reaching a total production capacity of **2000 machines/year.**

11 — 2019
Kudos on Global Platforms
• New York Fashion Week and London Fashion Week
• Platinum Sponsor ITMA, Barcelona

12 — 2021
Profit-Oriented Digital Textile Printers
Launched super-fast machines - **Vastajet K2 & SubliXpress Plus**

13 — 2022
Expeditious Direct to Fabric Machine & New Factory
• Introduced **Metro Nxt** with a production capacity of **9000sqm/day**
• New futuristic R&D and factory premises **(2,00,000 sqft)**

RESEARCH IN PROGRESS

ColorJet
Digitalizing Textile Printing

ColorJet Offers Complete Solution from Pre to Post Treatment in Digital Printing Workflow

ColorJet offers hassle free textile printing process from Multi Chamber Stenter for Chemical Padding, Digital Printer, Star Ager / Loop Ager for proper Steaming & Curing, Print Washing Range to get the washing done on printed fabric, Hydro Extractor for water removal & Vertical Cylinder Dryers for final drying.

PADDING — **PRINTING** — **DRYING** — **STEAMING** — **WASHING** — **FINISHING**

Multiple Digital Textile Printing - Versatile solutions across all printing needs

Fiber
- Cotton
- Polyester
- Silk
- Wool
- Nylon

Inks
- Pigment
- Reactive
- Sublimation
- Disperse
- Acid

Colorjet Textile Printing Solution Is More Conscious Towards The Environment

The ColorJet textile printing process enables the only truly sustainable and responsible dry printing process with minimal water consumption and water pollution

Minimal water consumption
We always try to make intelligent use of natural resources without compromising the quality.

Sustainable Printing
We believe in eco-sustainable manufacturing that ensures low chemical emissions.

COLORJET
Digitalizing Textile Printing

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 actuations 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

COLORJET

Digitalizing Textile Printing

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 Actuations				
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, 7.5 KW Single / Three phase load distribution, 50Hz				
Operating Conditions		Temperature: 24°C ± 4 Humidity: 64% ± 10% RH				
Printer Dimension/Net Weight		3950 mm x 1500 mm × 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

For more info, scan QR code

Max Capabilities & Applications for Max Business

THE FLAMBOYANCE
VASTRAJET®

COLORJET
Digitalizing Textile Printing

Advanced Printing Technologies

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

AiS™

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

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

OPTIVALUE BUILD

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

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

xactcolor™

Xactcolor™ 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.

Synchronised print-head and software solution

Variable Drop Technology

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.**

AST™

Active Seaming Technology (AST™) for superior quality at high speed.

Purge+™

An ink-saving device that facilitates the removal of air bubbles by recirculating the ink into the circuit.

Kiloton™

Kiloton™ Technology emerged from the special association of Technology of Konica Minolta with ColorJet to extend the print head life significantly.
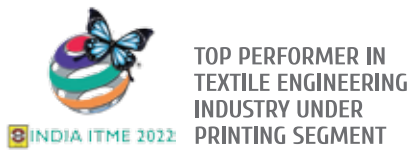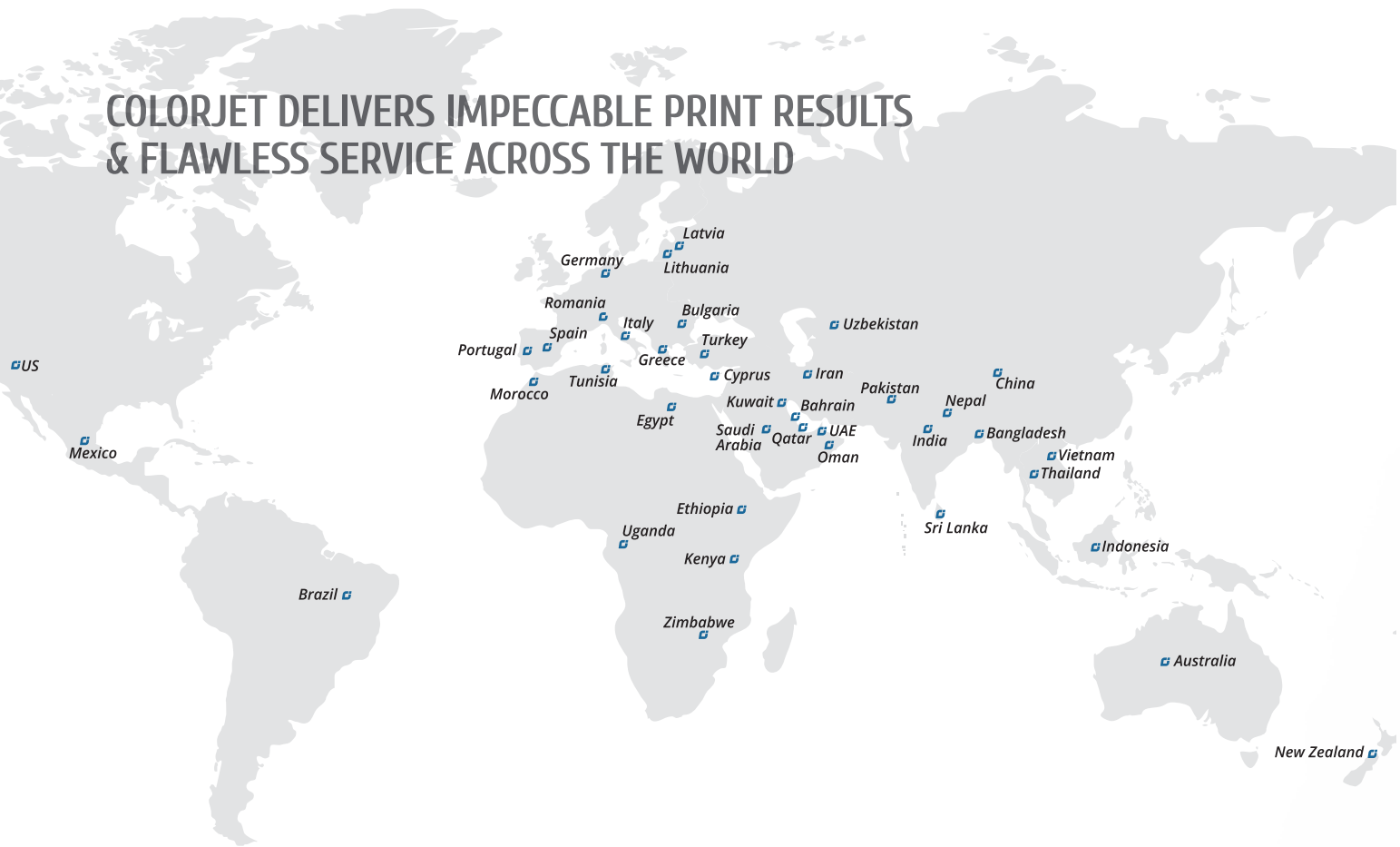
HSTR

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

Osci+™

Osci plus™ 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.

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COLORJET DELIVERS IMPECCABLE PRINT RESULTS & FLAWLESS SERVICE ACROSS THE WORLD

US
Mexico
Brazil

Portugal
Spain
Morocco
Tunisia
Germany
Latvia
Lithuania
Romania
Italy
Greece
Bulgaria
Turkey
Cyprus
Egypt
Ethiopia
Uganda
Kenya
Zimbabwe

Uzbekistan
Iran
Kuwait
Saudi Arabia
Qatar
Bahrain
UAE
Oman
Pakistan
Nepal
India
Sri Lanka

China
Bangladesh
Vietnam
Thailand
Indonesia
Australia
New Zealand

INDIA'S #1 WIDE FORMAT DIGITAL INKJET PRINTER

MSME INDIA BUSINESS AWARDS
BEST ENTERPRISE OF THE YEAR 2022

INDIA ITME 2022
TOP PERFORMER IN TEXTILE ENGINEERING INDUSTRY UNDER PRINTING SEGMENT

tmma
SPECIAL EXPORT AWARD IN THE PROCESSING MACHINERY CATEGORY

RISING STAR OF ASIA AWARD

INDIA'S LARGEST MANUFACTURER OF DIGITAL TEXTILE INKJET PRINTER OF 2021

INDIA SME 100 AWARDS 2022

EXPORT PERFORMANCE AWARD

For more info, scan QR code

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