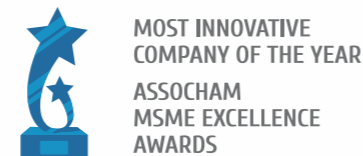


**COLORJET DELIVERS IMPECCABLE PRINT RESULTS & FLAWLESS SERVICE ACROSS THE WORLD**



# Sustainable Future of Textile Printing



**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.



# 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 offers comprehensive solutions from Pre to Post catering 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.

With over 6,000 installations across more than 50 countries, ColorJet has cemented its position as a global leader in the digital printing industry. This extensive reach and commitment to innovation empower ColorJet to compete with the best in the field, driving advancements and setting new standards in quality and efficiency.

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

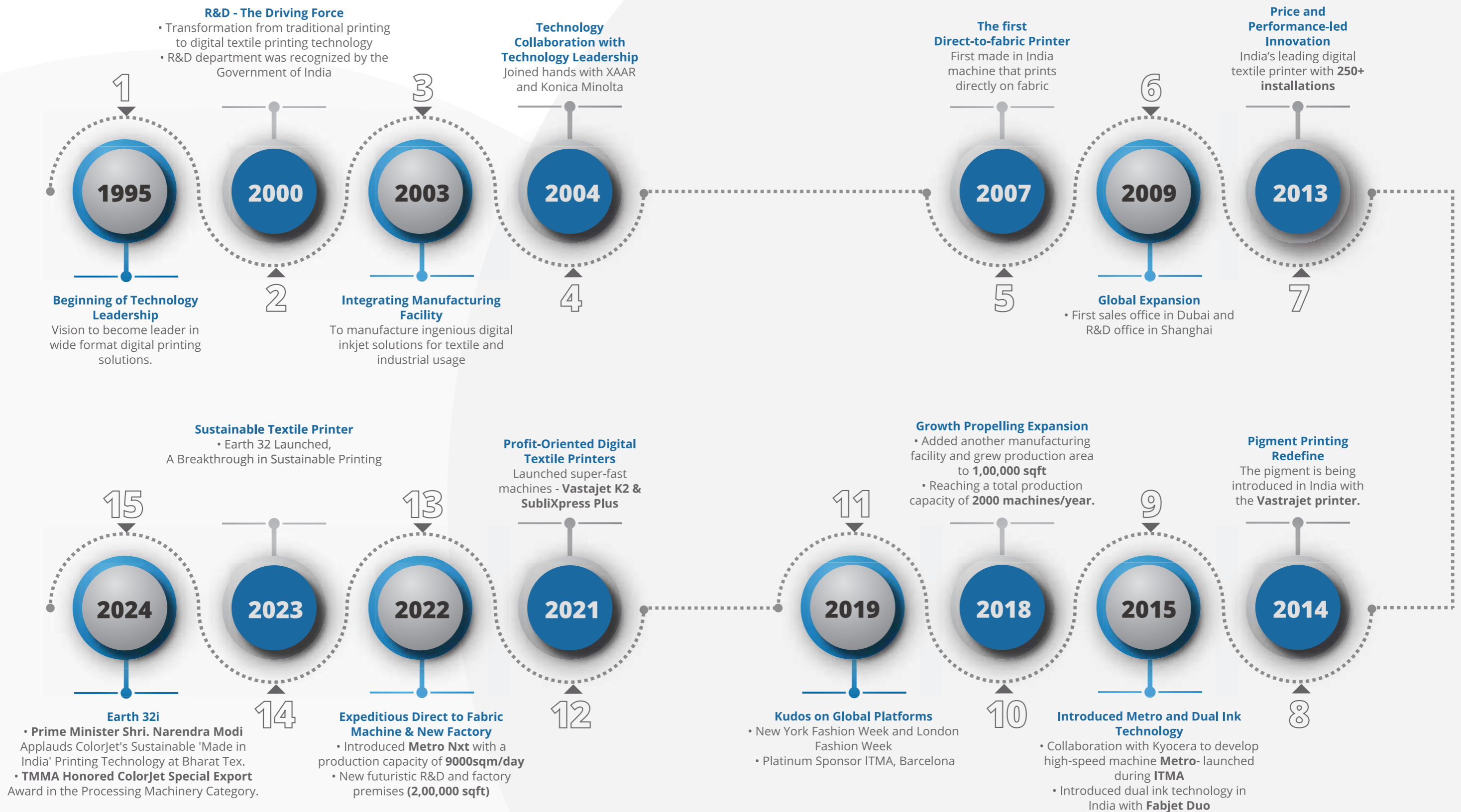
3

30 yrs of experience in wide format digital textile print technology

4

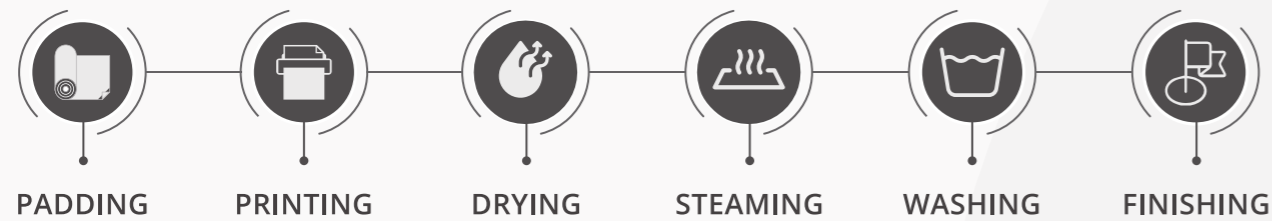
Offering complete solution from pre to post in digital textile printing process

# TIMELINE OF SUCCESS



# 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.



## Multiple Digital Textile Printing - Versatile solutions across all printing needs



# ColorJet Textile Printing Solution Is More Conscious Towards The Environment

The ColorJet textile printing process enables truly sustainable and responsible textile 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.



# EARTH 32i

## With a Production Capacity of up to 6000 sqm/day

A revolutionary digital textile printing solution that seamlessly blends cutting-edge technology with industrial precision. Seamlessly integrated with 32 advanced 6 PL Konica Minolta Print heads and a new design, it sets up a new benchmark for clarity and precision in eco-friendly digital textile printing. The Earth 32i's polymerization process at 160 degrees after printing ensures excellent colour fastness, and enduring print quality.



## FEATURES



**EFFICIENT INK SUPPLY SYSTEM:**  
Sufficient ink supply to prevent ink starvation while printing at high-speed



**HEAD CRASH PROTECTIVE SYSTEM:**  
To help protect the head from any obstruction during carriage movement



**LINEAR MOTOR:**  
For precise ink jetting at high speeds & smooth carriage movement



**MICRON PRECISION ENCODER**  
It helps increase accuracy in aligning carriage and belt movement.



**MODULAR FEEDING SYSTEM:**  
To incorporate large size rolls for continuous printing



**ON DEMAND CAPPING & WIPING SYSTEM USING HMI SCREEN:**  
To keep inks from drying in the print head & remove debris



**5 STAGES WATER EFFICIENT FABRIC HANDLING TREATMENT:**  
For easy belt wash & Jet cleaning, with no blockage due to lint or dust



**CONTROLLED AIRFLOW WHILE PRINTING**  
Any kind of forced Airflow can result in uneven jetting or cross firing of water based inks



**AIVC® TECH**  
ColorJet Waveform ensure that the jetting adapts to the viscosity of the inks



**HIGHER MECHANICAL PRECISION**  
The Earth 32i achieves higher levels of mechanical precision compared to its predecessors



**EFFICIENT TENSION CONTROLLER SYSTEM**  
The machine is equipped with a system of precise OsciPlus™ precise rollers



**CONTINUOUS INK CIRCULATION SYSTEM**  
Provides constant & uniform temperature across the print head



**DRYER UNIT**  
The dryer unit, offers customizable temperature control

## THE EARTH SERIES: A FUSION OF SUSTAINABILITY & PERFORMANCE

- **Maximizing Performance with Turbocharged Nozzle Pumping** - Attain larger drop sizes and increased depth while maintaining optimal speed. Turbocharged design ensures efficiency for superior performance without compromising productivity.
- **Superfine Nano Nozzles** - Enhanced sharpness through superfine drop size using Nano nozzles. Achieve precise details and vibrant colors, optimizing print quality for intricate designs and high-resolution images, ensuring exceptional results.
- **Variable Drop Printing Option** - Multidrop to Variable drop printing option help in achieving more accurate color tones along with smoother colour Gradiance.
- **Enhanced Fabric Feeding Efficiency** - New rollers ensure wrinkle-free feeding with proper fabric tension. Three adjustable gear mechanisms control tension across spreader, banana, and tensioner rollers. Option for Osci+™ precise spiral spreader rotator for hosiery printing.
- **Optimized And Enhanced Safety Standards** - A safety rope sensor and emergency staff switch have been added for enhanced safety during operations, along with four emergency switches. Eye bolts allow for easy machine lifting via hoist.

## SPECIFICATIONS

EARTH 32 i			
Model		EB8329	
Printing Technology		Drop-on-demand, Piezo Electric Inkjet	
No. of Print Heads		32 (6PL)	
Print Heads	Type	Industrial Grade Jetting Assemblies	
	Resolution	Up to 1440 DPI	
	Height Adjustment	up to 30mm	
	Cleaning Method	Pressure Purge and Wiping	
	Wetting Control	Piezoelectric Actuators	
Inks	Types	Earth Pigment	
	No. of colors	8	
	Supply	10 Ltr, Bulk Ink Supply System with inline degassing & low ink alarm	
Fabric	Types	Cotton, Viscose, Polyester, Polyamide, Silk, Wool	
	Max. Thickness	Up to 10mm	
	Max. Printing Width	Up to 1800mm	
	Roll Diameter	400mm	
Fabric Drying System		Infrared Heaters	
Operating Interface		Touch Screen	
Printing Interface		USB 3.1	
RIP Software Supported		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: 20 to 28°C, Humidity: 55 to 75% RH (non-condensing)	
Printer Dimension / Net Weight		2342x5020x1975mm (LxWxH) / 3500kg Approx.	
Dryer Dimension / Net Weight		2355x2612x1125mm (LxWxH) / 850kg Approx.	
Feeder Dimension / Net Weight		1010x2468x1221mm (LxWxH) / 575kg Approx.	
Modes	Print DPI	Passes	Speed (In Sq. Meter/Hrs)
Mode 1	360x720	2	324
Mode 2	360x1080	3	212
Mode 3	360x1440	4	156
Mode 4	540x720	2	226
Mode 5	540x1080	3	147
Mode 6	540x1440	4	110

Specially Designed & Engineered  
to deliver Exceptional Design Advantage

Precision with Power.  
**EARTH 32i**



# VASTRAJET K2 PRO<sup>®</sup>

With an Impressive speed of up to 9000 sqm/day.

The Vastrajet K2 Pro is designed to meet the demands of modern textile printing, combining advanced digital technology with industrial-grade performance. Featuring 48 Industrial Grade Konica Minolta Print Heads with High Quality print using ColorJet Original inks, this machine delivers unparalleled precision and clarity in every print.



## FEATURES



### Enhanced Jetting – optimised nozzle capability:

Advanced jetting assembly optimisation in the Vastrajet K2 Pro ensures precise and reliable printing performance. This includes features such as optimized print head firing, and improved nozzle performance mechanisms.



**Variable drop printing option** – Multidrop to Variable drop printing option help is achieving more accurate colour tones along with smoother colour Gradience.



**Improved Safety standards optimised** – In addition to the four emergency safety switches, safety rope sensor has been added to provide enhanced safety during operations.



**Optimized Fabric Pinching Process** – A new array of rollers will ensure wrinkle free feeding with proper fabric tension across the width of the fabric.



**New ergonomic designs for ease of use and maintenance:** The Vastrajet K2 Pro is built with all new ergonomic design cabinet that has the maximum accessibility to all critical components for the easy maintenance and cleaning. Machine handling during loading, unloading & installation made highly flexible with accessibility to both fork lift and hoist.

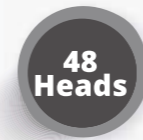
## ADDITIONAL FEATURES



**Higher mechanical precision**



**Modular Feeding System**



**Equipped with up to 48 Heads**



**Efficient ink supply system**



**Controlled Airflow while Printing**



**Efficient Tension Controller System**



**AIVC<sup>®</sup> Tech**



**On demand Capping and Wiping System using HMI screen**

Works With Diverse  
Inks & Fabrics!

**SPECIFICATIONS**

VASTRAJET K2 PRO				
Configuration			CB8489	CB8329
Printing Technology			Drop-on-demand, Piezoelectric Inkjet	
No. of Print Heads			48 (6PL)	32 (6PL)
Print Heads	Type		Industrial Grade Jetting Assemblies	
	Resolution		Upto 1440 dpi	
	Height Adjustment		Upto 30mm	
	Cleaning Method		Pressure Purge and Wiping	
	Wetting Control		Piezoelectric actuations	
Ink	Type		Reactive/Disperse/Acid	
	No of Colors		8	
	Supply		10 Ltr, Bulk ink Supply System with inline degassing and low ink alarm	
Fabric	Type		Cotton, Viscose, Polyester, Polyamide, Silk, Wool	
	Max. Thickness		10mm	
	Max/Printing Width		1800mm	
	Roll Daimeter		400mm	
Fabric Drying System			Infrared Heaters	
Operating Interface			Touch Screen	
Printing Interface			USB 3.1	
Rip Software Supported			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: 20 to 28°C Humidity: 55 to 75% RH(non-condensing)	
Printer Dimension / Net Weight			2342 x 5020 x 1975 mm (LxWxH) / 3500 Kg Approx.	
Dryer Dimension / Net Weight			Multiple options	2355 x 2612 x 1125 mm (LxWxH) / 850 Kg Approx.
Feeder Dimension / Net Weight			1010 x 2468 x 1221 mm (LxWxH) / 575 Kg Approx.	
Speed (In Sqm/Hrs)	Print DPI	Passes	CB8489	CB8329
Mode 1	360x720	2	450	324
Mode 2	360x1080	3	300	212
Mode 3	360x1440	4	225	156

Master Every Challenge  
VASTRAJET K2 PRO®



# VASTRAJET® K2

1.8 Mtr Direct To Fabric Printer

## With a Massive Production Capacity of 6100 sqm/day

Our digital fabric printer **Vastrajet K2** is a great combination of high speed and high quality.

It is one of the best printing solution for businesses that want to experiment with different patterns and make the fabrics appealing with checks, stripes and geometric designs.

The machine delivers magnificent prints using the ColorJet Inks. It is available in the configuration of 32 industrial grade Konica Minolta Print Heads with a production speed of 306 sqm/hour and can seamlessly print 6000 Sqm/day.



### EQUIPPED WITH EXCELLENT FEATURES



#### Efficient Ink Supply System

Sufficient ink supply to prevent ink starvation while printing at high-speed

#### Linear Motor

Allows precise carriage movement

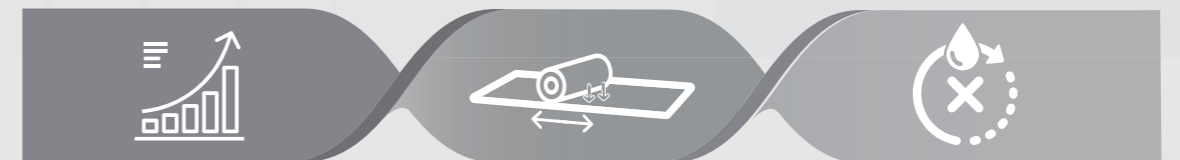
#### Micron Precision Encoder

It helps increase accuracy in aligning carriage and belt movement.

#### 5 Stages Water Efficient Fabric Handling Treatment

To ensure perfect and easy cleaning of the belt with improved water jet & zero moisture belt drying mechanism

### ADVANCED PRINTING TECHNOLOGIES



#### Kiloton™

ColorJet introduces new Kiloton™ Technology in **Vastrajet K2**, which significantly extends the print head life

#### Osci+™

Osci plus™ oscillating pressure rollers for efficient tension control and smooth fabric feeding, regardless of fabric parameters such as gsm, weave, crimp, elasticity, and skewness

#### Purge+™

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

A World-class Machine that Meets All the Needs of Textile Printing Businesses.

## SPECIFICATIONS

VASTRAJET K2			
CONFIGURATION		CA8329	
Printing Technology		Drop-on-demand, Piezoelectric Inkjet	
No. of Print Heads		32	
Print Heads	Type	Industrial Grade Jetting Assemblies	
	Resolution	Upto 1440 dpi	
	Height Adjustment	Upto 30 mm	
	Cleaning Method	Pressure Purge and Wiping	
	Wetting Control	Piezoelectric actuations	
Ink	Type	Reactive / Disperse / Acid	
	No of colors	8	
	Supply	10 ltr bulk ink supply system with inline degassing	
Fabric	Type	Cotton, Viscose, Polyester, Polyamide, Silk, Wool	
	Max. Thickness	Upto 20 mm	
	Fabric Width	1900 mm	
	Printing Width	Upto 1850 mm	
	Roll Diameter	400 mm	
Fabric Drying System		Infrared Heaters	
Operating Interface		Touch Screen	
Printing Interface		USB 3.1	
Rip Software Supported		NeoStampa (ColorJet Edition)	
File Format		JPEG / TIFF / BMP / PDF (RGB / CMYK)	
Power Supply		220 V, 12.5 KW Single / Three phase load distribution, 50Hz	
Operating Conditions		Temperature: 24°C ± 4°C Humidity: 60% ± 10% RH	
Printer Dimension / Net Weight		2100 x 4898 x 1850 mm (LxWxH) / 2850 Kg Approx.	
Dryer Dimension / Net Weight / KW		1770 x 2590 x 1110 mm (LxWxH) / 650 Kg Approx. / 14 KW	
Feeder Dimension / Net Weight		820 x 12500 x 160 mm (LxWxH) / 520 Kg Approx.	
Speed (In Sq. Meter/Hrs)	Print DPI	Passes	Speed (In Sq. Meter/Hrs)
Mode 1	540x720	2	306
Mode 2	540x1080	3	201
Mode 3	540x1440	4	150

\* Dryer - C-Dry 50

THE EXPERTISE OF VASTRAJET K2



# VASTRAJET®

1.8 Mtr Direct To Fabric Printer

With a Massive Production Capacity of 3500 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 for long service life
- Proprietary AIVC technology for consistent print quality matching samples to production across Vastrajet lines.
- Supports binary and variable drop printing to produce sharp images, vivid colours large gamut and gradations effects
- Capping station and piezoelectric actuators to keep inkjet nozzles always ready & protected when idle.
- Inbuilt humidifier to keep print head protected & ready for best performance.

## FABRIC FEED AND TAKE-UP SYSTEM

- Fabric unwinding regulated to keep constant tension from start to finish
- Adhesive conveyor belt ensures fabric flatness 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 ensures right ink viscosity prevent impurities freeing elements & large particles making perfect print conditions & safe guard print head (or prolong printhead life).

# Max Capabilities & Applications for Max Business

## SPECIFICATIONS

VASTRAJET							
CONFIGURATION		CA4812	CA8812	CA4824	CA8824	CA8164	
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 10 mm					
	Cleaning Method	Pressure Purge and Wiping					
	Wetting Control	Piezoelectric Actuators					
Ink	Type	Reactive / Disperse / 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	1850 mm					
	Printing Width	Upto 1800 mm					
	Roll Diameter	Upto 450 mm					
Fabric Drying System		Infrared Heaters					
Operating Interface	High Speed USB 3.2	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, 8 KW Single / Three phase load distribution, 50Hz					
Operating Conditions		Temperature: 24°C ± 4 Humidity: 60% ± 5% RH					
Printer Dimension/Net Weight		1780 mm x 3810 mm x 1640 mm (LxWxH) / 1400 kg Approx.					
Speed (In Sq. Meter/Hrs)	Print DPI	Passes	CA4812	CA8812	CA4824	CA8824	CA8164
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	176
Mode 2	540 x 1080	3	-	-	98	59	119
Mode 3	540 x 1440	4	-	-	75	43	88
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®



# FABJET PRO

## Production Capacity of up to 13,000 sqm/day

Introducing the FabJet Pro, our latest leap in digital textile printing innovation. With a remarkable production capacity of up to 13,000 square meters per day, the FabJet Pro redefines speed, quality, and efficiency in the industry. Designed for ultra-wide format direct-to-fabric printing up to 3.2 meters.

Equipped with 32 Kyocera and 48 Konica Minolta Print Heads with a sticky belt system, the FabJet Pro ensures unparalleled precision and clarity in every print. This state-of-the-art machine is engineered to meet the highest demands of productivity while maintaining exceptional quality, making it the perfect choice for forward-thinking textile manufacturers seeking to elevate their production capabilities.



### ADVANCE TECHNOLOGY

#### Sync Optima Enabled

SyncOptima is a groundbreaking digital textile printing technology that sets the standard for precision and efficiency. This advanced system optimizes carriage and belt movement to ensure flawless synchronization across our printing ecosystem. The result is consistently high-quality prints delivered at impressive speeds, meeting the highest industry standards for performance and reliability.

#### Optimized Fabric Feeding Process

Our upgraded roller system ensures wrinkle-free fabric feeding with consistent tension across the entire width.

#### Turbocharged Nozzle Pumping

The turbocharged design ensures efficiency, enabling superior performance without sacrificing productivity. Helps to Achieve greater depth and larger drop size while maintaining optimal speed.

#### Variable Drop Printing

Variable drop printing option helps in achieving more accurate colour tones along with smoother colour gradience.



Variable Drops

#### Improved Safety Standards

A safety rope sensor and emergency staff switch have been added for enhanced safety during operations, along with four emergency switches. Eye bolts allow for easy machine lifting via hoist.

#### New ergonomic designs for ease of use and maintenance:

The FabJet Pro boasts a new ergonomic cabinet design, maximizing access to critical components for easy maintenance and cleaning.

### ADDITIONAL FEATURES



#### Efficient Ink Supply System

A complete system enabling the smooth running of the ink and providing high printing stability in high industrial production. Peristaltic pumps help keep the ink supply at a constant level. Negative pressure is detected and adjusted continuously to prevent unwanted ink dropping and spilling of the print head. Efficient Ink degassing system to remove air bubbles in ink tubes to avoid ink starvation assuring the highest print quality.



#### Controlled Airflow while Printing

Any kind of forced Airflow can result in uneven jetting or cross-firing of water-based inks which can ultimately effect the drop placement.



#### Capping and Wiping System

Automatic Capping system prevents inks from drying within the print head when the printer is not in use & On-demand wiping system effectively removes ink, dust & debris from the print head.



#### AIVC® Tech

ColorJet Waveform ensures that the jetting adapts to the viscosity of the inks irrespective of the temperature of the inks.



#### Micron Precision Encoder

It helps increase accuracy in aligning carriage and belt movement.



#### Efficient Tension Controller System

The machine features OsciPlus™ precise rollers for optimal tension control and seamless fabric feeding, regardless of GSM, weave, crimp, elasticity, or skewness. The tension roller effectively balances uneven tension, ensuring smooth and consistent media movement.



#### Modular Feeding System

A modular feeding system to incorporate large-size rolls for continuous printing.

Redefines Speed, Quality,  
and Efficiency.

**SPECIFICATIONS**

FabJet Pro							
Model		PB8326	PB8489	PB8329			
Printing Technology		Drop-on-demand, Piezoelectric Inkjet					
No. of Print Heads		32 KY	48 KM	32 KM			
Print Heads	Type	Industrial Grade Jetting Assemblies					
	Resolution	Upto 2400 DPI	Up to 1440 DPI	Up to 1440 DPI			
	Height Adjustment	Up to 30mm					
	Cleaning Method	Pressure Purge and Wiping					
	Wetting Control	Piezoelectric Actuators					
Inks	Types	Reactive	Pigment/Reactive/Disperse	Pigment/Reactive/Disperse			
	No. of colors	8					
	Supply	10 Ltr, Bulk Ink Supply System with inline degassing					
Fabric	Types	Cotton, Viscose, Silk, Wool	Cotton, Viscose, Polyester, Polyamide, Silk, Wool	Cotton, Viscose, Polyester, Polyamide, Silk, Wool			
	Max. Printing Width	Up to 3200mm					
	Roll Diameter	400mm					
Fabric Drying System		Electric Heaters					
Operating Interface		Touch Screen					
Printing Interface		USB 3.1					
RIP Software Supported		NeoStampa (ColorJet Editions)					
File Format		JPEG, TIFF, BMP/PDF (RGB, CMYK)					
Power Supply		9.5 kW / 3 Φ - 15 A					
Operating Conditions		Temperature: 18 to 28°C, Humidity: 60±5% RH (non-condensing)					
Printer Dimension / Net Weight		2835 x 6800 x 2150mm (LxWxH) / 6500 Kg approx.					
Feeder Dimension / Net Weight		1580 x 4600 x 2115 mm (LxWxH) / 950 Kg approx.					
Speed In Sqm/hr)	Print DPI	Passes	PB8326	Print DPI	PB8489	Print DPI	PB8329
Mode 1	508x1200	2	654	360x720	535	360x720	355
Mode 2	508x1800	3	446	360x1080	350	360x1080	235
Mode 3	508x2400	4	318	360x1440	260	360x1440	175

Efficiency Guaranteed.  
**FABJET PRO**



# FABJET GRAND/DUO

3.2 Mtr Direct To Fabric Printer

## Great Solutions for Wider Width Applications

**FABJET GRAND** is the ideal direct-to-fabric printing solution for creating large customised patterns for the home furnishings business. Heavy duty design with rigid structure makes the machine suitable for rigorous shop floor operating conditions.

**FABJET-DUO** is conceptualised to address the need for a printer that can work with two different inks. The two-in-one printing machine has a dual ink supply system which allows switching between any two types of inks with the flick of a switch. So, now you can use the same machine to print drapes woven with polyester filament yarn or high thread count sheetings woven in cotton yarn, for example.

### PRINT SYSTEM

- With 8/16 Industrial grade jetting assemblies for long service life
- Proprietary AIVC 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 wiping system which wipes excess ink and lint from the print head surface
- Capping station and piezoelectric actuations to keep inkjet nozzles adequately hydrated when idle

### FABRIC FEED AND TAKE-UP SYSTEM

- Fabric roll is mounted on air inflatable shaft
- Fabric feed is through dancing bar and guide rolls to maintain fabric tension from start to finish
- Heavy duty rubber roll with pneumatically loaded press roll pulls and holds the fabric in place for printing
- Front roll moves with the feeding rubber roll for smooth movement of fabric

### INFRARED DRYER

- Compact inbuilt infrared dryer for quick drying of printed ink on fabric
- Uses 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

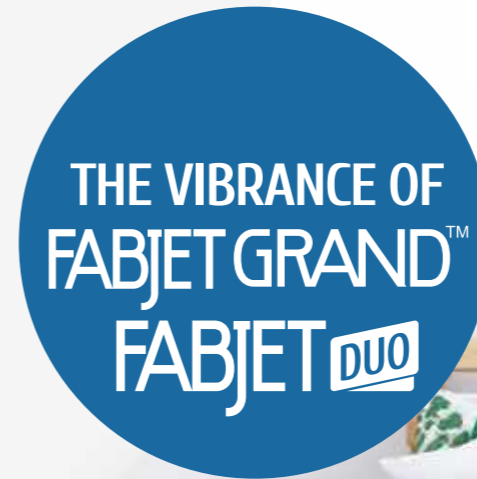
- Quick response pumps to avoid ink starvation during printing
- Low ink warning for operator attention
- On the fly ink refill
- 2.5 litre ink tanks for long ink refilling cycles
- Advanced degassing and de-bubbling avoids head blockage during high speed printing
- Inline filters for keeping out impurities or larger particles from print head
- Block of 4 heads connected to one ink system or the other (For Fabjet Duo Only)



# Unbeatable for Both Short-Runs & Mass Production Applications

## SPECIFICATIONS

CONFIGURATION			FABJET GRAND			FABJET DUO
			PA4824	PA8824	PA8164	NA4824
Printing Technology			Drop-on-demand, Piezoelectric Inkjet			
No. of Print Heads			8	8	16	8
Print Heads	Type	Industrial Grade Jetting Assemblies				
	Resolution	Upto 1440 DPI				
	Height Adjustment	Upto 10 mm				
	Cleaning	Pressure Purge and Wiping				
	Wetting Control	Piezoelectric Actuators				
Ink	Types	Reactive / Disperse / Pigment / Acid				
	No of colors	4	8	8	4	
	Supply	2.5 Ltr, Bulk ink Supply System with inline degassing				
Fabric	Type	Cotton, Viscose, Polyester, Polyamide, Silk, Wool				
	Max. Thickness	Upto 5 mm				
	Fabric Width Upto	3220 mm			2500 mm	
	Printing Width	Upto 3200 mm			Upto 2500 mm	
	Roll Width	400 mm				
Fabric Drying System			Infrared Heaters			
Operating Interface			Touch Screen			
Printing Interface			High Speed USB			
Rip Software Supported			NeoStampa (Colorjet Edition)			
File Format			JPEG / TIFF / BMP / PDF (RGB / CMYK)			
Power Supply			220 V, 8 KW Single / Three phase load distribution, 50Hz			
Operating Conditions			Temperature: 24°C ± 4 Humidity: 60% ± 5% RH			
Printer Dimension/Net Weight			2100 mm x 5300 mm x 1650 mm (LxWxH) / 2000 kg Approx.			
Speed (In Sq. Meter/Hrs)	Print DPI	Passes	PA4824	PA8824	PA8164	NA4824
Mode 1	540 x 720	2	167	98	165	-
Mode 2	540 x 1080	3	116	68	114	-
Mode 3	540 x 1440	4	87	51	85	-
Mode 4	540 x 1080	6	58	34	56	-
Mode 5	540 x 1440	8	46	27	44	-
Mode 1	360 x 1080	3	-	-	-	62
Mode 2	360 x 720	4	-	-	-	46
Mode 3	720 x 720	4	-	-	-	49
Mode 4	720 x 540	6	-	-	-	26
Mode 5	720 x 720	8	-	-	-	24



# CARPETJET

5.2m High-performance  
Digital Carpet Printing Solution.

With a Massive  
Production  
Capacity of 7500 sqm/day



CarpetJet is engineered to revolutionize productivity in digital carpet printing. Delivering an impressive print speed of up to 375 sqm/hr, it features industrial-grade print heads and eco-friendly water-based disperse inks optimized for polyester-based carpets. Designed for precision, efficiency, and sustainability, CarpetJet ensures exceptional print quality across a wide range of carpet applications - from decorative to commercial flooring solutions.

## BUILT FOR HEAVY MEDIA. DESIGNED FOR UNINTERRUPTED PERFORMANCE.

- **Media Handling System** - A precision mesh conveyor-based feeding system ensures stable handling of heavy and thick materials. The 6-zone independent vacuum bed maintains uniform tension and flatness, with selective zone activation for narrower widths, while the pressure roller system ensures smooth, slip-free media movement during long production runs.
- **Roll Handling Capability** - An in-built roll feeder with compatibility for external jumbo roll attachments enables long, uninterrupted, unattended printing cycles.
- **Protection & Reliability** - An anti-static system prevents static charge buildup for smooth media handling and nozzle protection, while the anti-crash mechanism safeguards print heads to ensure consistent print quality.
- **Ease of Maintenance** - On-demand pressure purge and wiping systems reduce manual maintenance, prevent nozzle clogging, and ensure uniform ink ejection even after idle periods. Easy-access panels and a modular head carriage simplify routine servicing and calibration.
- **Operational Excellence** - Designed for continuous industrial operation, the system delivers an optimal balance of speed, precision, and reliability. An intuitive user interface provides real-time monitoring of ink levels, vacuum zones, and key printing parameters.

### KEY HIGHLIGHTS



#### Wide-format Capability

5.2m printing width, ideal for large carpets and rugs.



#### High Productivity

Up to 375 sqm/hr, significantly boosting throughput.



#### Reduced Downtime

Anti-static and anti-crash systems for nozzle protection.



#### Color Depth & Quality

Excellent penetration and vibrant color reproduction with special disperse inks.



#### Versatile Applications

Residential, commercial, and customized carpet designs.



#### Color Options

Available in 4-color (CMYK) and 8-color (CMYK+4) setups

# Industrial-Scale Digital Production Platform

## SPECIFICATIONS

CARPETJET					
Model		PC8484	PC8324	PC4164	
Printing Technology		Drop-on-demand, Piezo Electric Inkjet			
No. of Print Heads		48	32	16	
Print Heads	Type	Industrial Grade Jetting Assemblies - KM 1024i			
	Resolution	Upto 1440 DPI			
	Height Adjustment	Upto 30mm			
	Cleaning Method	Pressure Purge and Wiping			
	Wetting Control	Piezoelectric Actuators			
Inks	Types	Disperse			
	No. of colors	8		4	
	Supply	10 Ltr, Bulk Ink Supply System with inline degassing and low ink alarm			
Media	Types	Polyester Based Carpets			
	Max. Thickness	Upto 10mm			
	Max. Width	5200mm			
	Roll Width / Diameter	750mm			
Printing Interface		USB 3.1			
RIP Software Supported		ONYX / NeoStampa (Colorjet Editions)			
File Format		JPEG, TIFF, BMP/PDF (RGB, CMYK)			
Operating Conditions		Temperature: 20 to 28°C Humidity: 65±10% RH (non-condensing)			
Power Requirements		220V, 20KW Single / Three phase load distribution, 50Hz			
Printer Dimension / Net Weight		1930 x 7850 x 1650 mm (LxWxH) / 5100 Kg Approx.			
Feeder Unit Dimension / Net Weight		1000 x 5500 x 1500 mm (LxWxH) Approx.			
Color Fixation/Takeup System		Take-up should be with the dryer, and the dryer should be customized and optional based on customer application/requirements			
Speed In (Sqm/hr)	Print DPI	Passes	PC8484	PC8324	PC4164
Mode 1	360x720	2	375	250	260
Mode 2	360x1080	3	250	183	195

\*Actual speed may vary based on application and future developments

Design for Precision  
**CARPETJET**



# METRO NXT

1.8 Mtr Direct To Fabric Printer

## With a Massive Production Capacity of 9000 sqm/day

Our latest high-performance machine, the **METRO NXT**, has a great production capability of up to 9,000 sqm/day, considerably reducing the pressure associated with long industrial production runs in a short time.

It comes with upto 32 Industrial Grade Kyocera Print Heads and delivers sharp quality output using ColorJet recommended inks available in the configuration of 8 Colors options.



### GREAT FEATURES



**EFFICIENT INK SUPPLY SYSTEM:**  
Sufficient ink supply to prevent ink starvation while printing at high-speed



**HEAD CRASH PROTECTIVE SYSTEM:**  
To help protect the head from any obstruction during carriage movement



**LINEAR MOTOR:**  
For precise ink jetting at high speeds & smooth carriage movement



**Micron Precision Encoder**  
It helps increase accuracy in aligning carriage and belt movement.



**MODULAR FEEDING SYSTEM:**  
To incorporate large size rolls for continuous printing

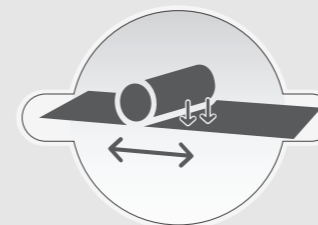


**ON DEMAND CAPPING & WIPING SYSTEM USING HMI SCREEN:**  
To keep inks from drying in the print head & remove debris



**5 STAGES WATER EFFICIENT FABRIC HANDLING TREATMENT:**  
For easy belt wash & Jet cleaning, with no blockage due to lint or dust

### ADVANCED PRINTING TECHNOLOGIES



**Osci+™**

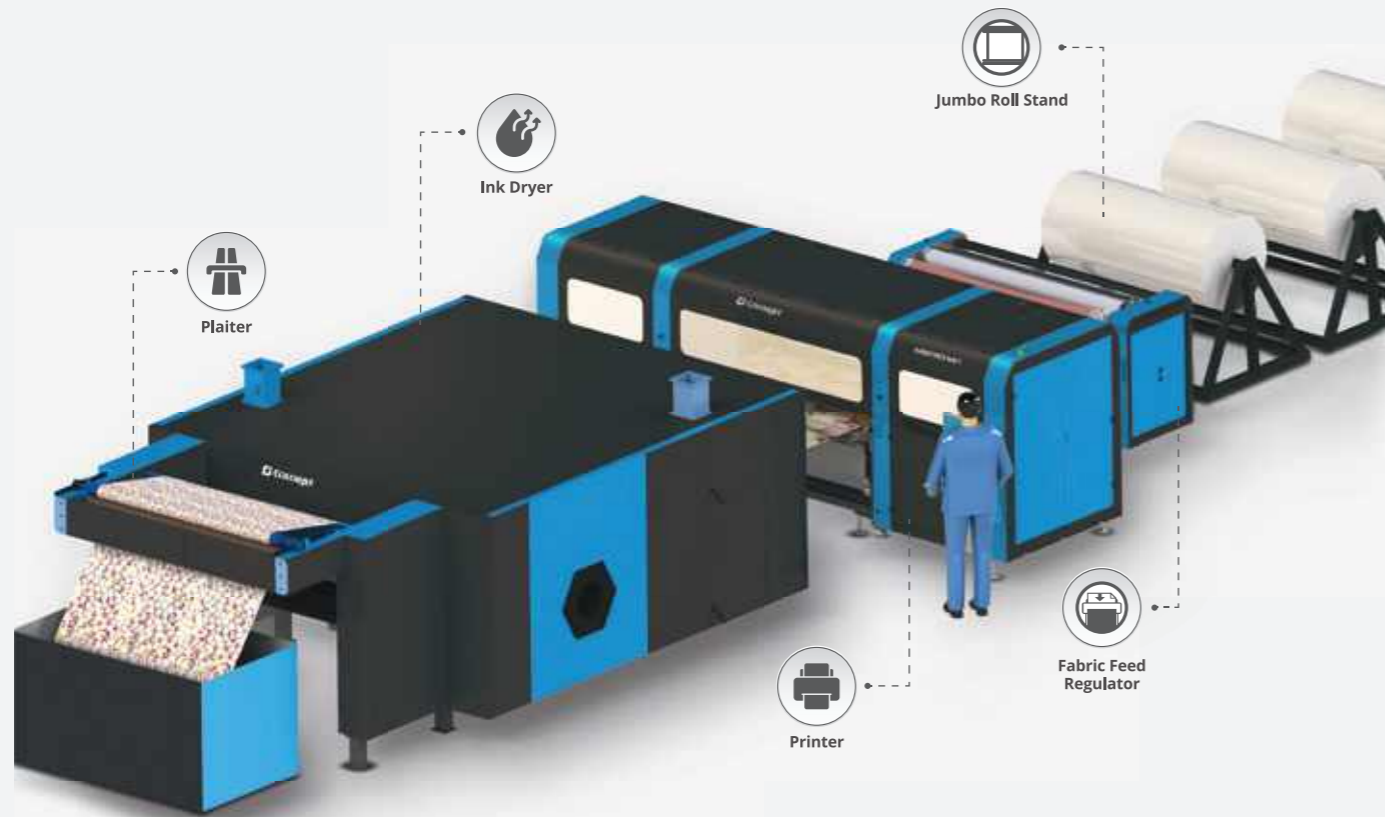
**Osci plus™** oscillating pressure rollers for efficient tension control & smooth fabric feeding, regardless of fabric parameters such as gsm, weave, crimp, elasticity, & skewness.



**Purge+™**

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

Reach New Levels of Productivity Every Day with the Great Performer Metro Nxt



*\*Accessories shown along with the printer are not part of standard equipment. However, these can be available at the customer's demand only.*

## INDEPENDENT DRYER + PLAITER UNIT

Advanced independent **Drying System** for large speed production. Incorporated with efficient roll winding system controlled by gear motor, which controls the fabric tension.

*\*We have multiple dryer options, which are optional and are provided as per customer requirement.*



# Faster, Reliable & Perfect Fit for Industrial Production

## SPECIFICATIONS

METRO NXT				
CONFIGURATION		HA8166	HA8326	
Printing Technology		Drop-on-demand, Piezoelectric Inkjet		
Type of Print Heads		600 DPI	600 DPI	
No. of Print Heads		16	32	
Print Heads	Type	Industrial Grade Jetting Assemblies		
	Resolution	Upto 2400 DPI		
	Height Adjustment	Upto 30 mm		
	Cleaning Method	Pressure Purge and Wiping		
	Wetting Control	Piezoelectric Actuators		
Ink	Types	Reactive / Disperse / Acid		
	No of colors	8	8	
	Supply	10 Ltr, bulk ink supply system with inline degassing		
Fabric	Max. Thickness	Upto 10 mm		
	Max/Printing Width	Upto 1800 mm		
	Feed Roll Diameter	Upto 400 mm		
Fabric Drying System		Infrared Heaters		
Printing Interface		USB 3.1		
Rip Software Supported		NeoStampa (Colorjet Edition)		
File Format		JPEG / TIFF / BMP / PDF (RGB / CMYK)		
Power Requirements(Machine + Feeder)		220 V, 12.5 KW Single / Three phase load distribution, 50Hz		
Operating Conditions		Temperature: 24°C ± 4°C Humidity: 60% ± 5% RH		
Printer Dimension/Net weight		2250 x 4898 x 1850mm (LxWxH) / 3250 Kg Approx.		
Dryer Dimensions/Net weight / KW		2332 x 2640 x 1125mm (LxWxH) / 700 Kg. Approx. /14KW		
Feeder Dimensions/Net weight		820 x 2482 x 1160 mm (LxWxH) / 720 Kg Approx.		
<b>Speed (In Sq. Meter/Hrs)</b>	<b>Print DPI</b>	<b>Passes</b>		
			<b>HA8166</b>	
			<b>HA8326</b>	
Mode 1	600 x 600	1	400	900
Mode 2	600 x 1200	2	240	454
Mode 3	600 x 1800	3	150	302

THE SWIFTNESS OF  
**METRO NXT**



# SubliXpress Plus

1.95 Mtr Industrial Sublimation Printer  
With a Massive Production  
Capacity of 9000 sqm/day

Speed, Quality, Reliability and Consistency are the four most powerful pillars of our most advanced 76" Wide industrial dye sublimation printer - **SubliXpress Plus**. Well equipped with Active Seaming Technology and 8 industrial Kyocera print heads, SubliXpress Plus is also available in 4/6/8 color variant. Furthermore, it has a vast production potential of 9,000 sqm/day to intensify your production level.



## FEATURES



**1** *INDUSTRIAL LEVEL PRINT HEADS* – Upto 8 heads in two rows with variable drop size technology for attaining sharp quality at high speed



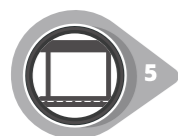
**2** *LEAF CLAMPS* – Polished steel clamps placed at either side to prevent paper edges from curling



**3** *INK DEGASSING SYSTEM* – To remove bubbles and gas trapped in ink tubes and avoid ink starvation



**4** *MULTIPLE BRUSH ROLLERS* – To ensure effective wrinkle-free media feeding and take-up



**5** *DANCING ROLLER* – To provide continuous uniform tension and roll alignment for media from feeding to take up



**6** *LINEAR MOTOR* – Linear Motor with high precision dual guide rail beam helps improve printing speed and ensure printing accuracy



**7** *Micron Precision Encoder* It helps increase accuracy in aligning carriage and belt movement.



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



**9** *TWO STAGE DRYING MECHANISM* – To prevent cockling of paper & provide precise ink absorption on the media



**10** *AST* – Active Seaming Technology for superior quality at high speed



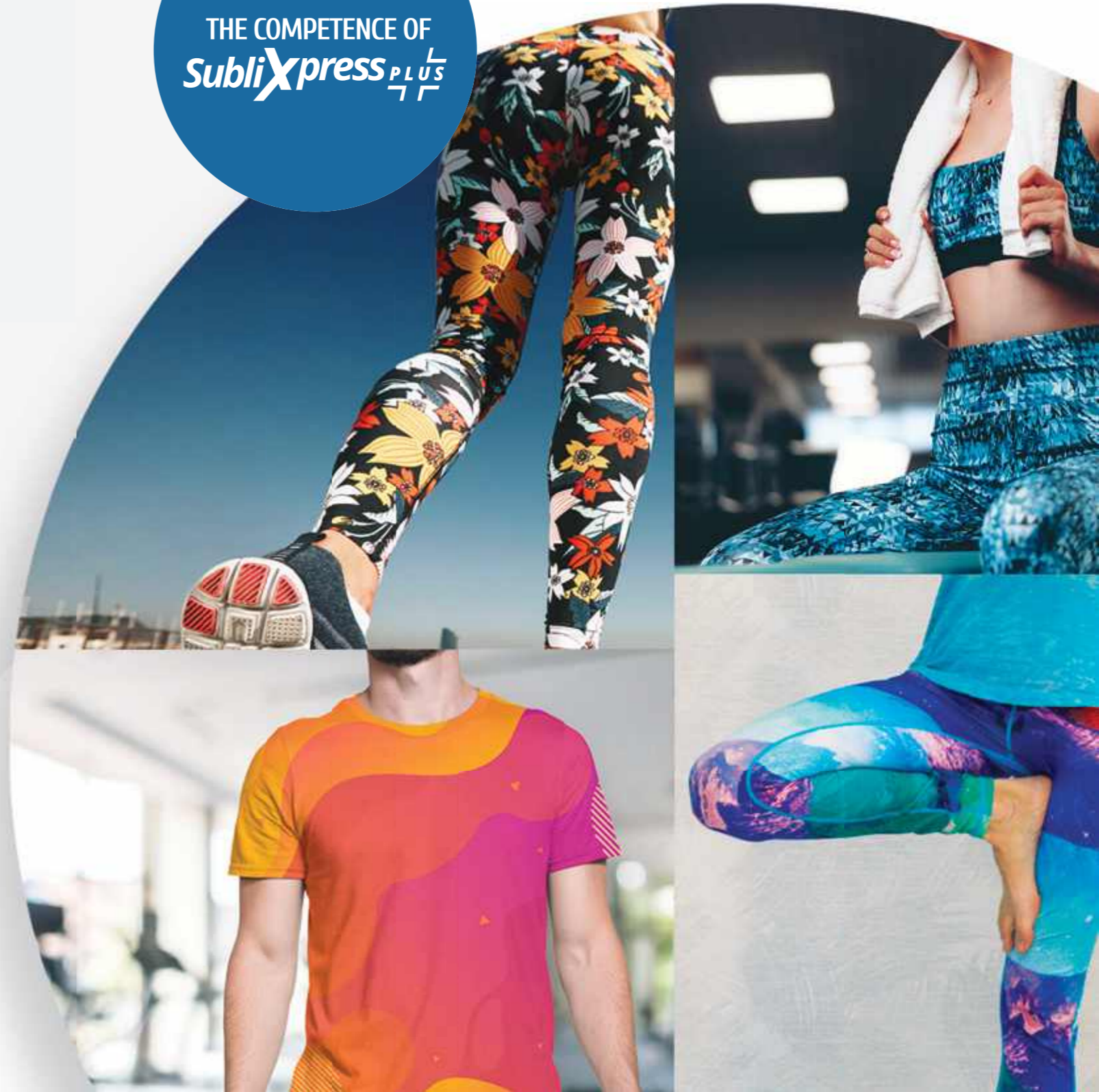
**11** *Z ENCODER* – For precise head height adjustment during calibration

Super Quick Machine that can  
Print up to 9,000 Sqm/day  
Seamlessly

## SPECIFICATIONS

SubliXpress Plus						
Models		TA4406	TA8403 / TA6303	TA4806	TA8803 / TA6603	
Printing Technology		Drop on demand, Piezo Electric Inkjet				
Type of Print head		600dpi	300dpi	600dpi	300dpi	
No. of Print Heads		4	4/3	8	8/6	
Print Heads	Type	Industrial Grade Jetting Assemblies				
	Resolution	Upto 2400 dpi				
	Height Adjustment	Upto 20 mm				
	Cleaning Method	Pressure Purge and Wiping				
	Wetting Control	Piezoelectric actuations				
	Types	Dye Sublimation water based Inks				
Inks	No. of Color	4	8/6	4	8/6	
	Ink Colors	CMYK	CMYK, Blue, Orange, Fluorescent Yellow, Fluorescent Magenta	CMYK	CMYK, Blue, Orange, Fluorescent Yellow, Fluorescent Magenta	
	Supply	10 litre Refillable tank				
Media	Max. Thickness	Upto 20 mm				
	Max/Printing Width	Upto 1950 mm				
	Feed Roll Diameter	Upto 900 mm				
Media Drying System		Infrared Heaters				
Printing Interface		USB 3.1				
Rip Software Supported		Onyx(ColorJet Edition)				
File Format		JPEG / TIFF / BMP / PDF (RGB/CMYK)				
Power Requirements(Print Engine)		AC 220 V, 8KW, 50 / 60 Hz				
Operating Conditions		Temperature: 24°C ± 4 Humidity: 60% ± 5% RH				
Printer Dimension/Net Weight		1235 mm x 3926 mm x 1824 mm (LxWxH), 1600 Kg				
Feeder Dimension/Net Weight		1118mm x 2415 mm x 1050 mm (LxWxH), 300 Kg				
Speed (In Sq. Meter/Hr)	Print DPI	Passes	TA4406	TA8403/TA6303	TA4806	TA8803/TA6603
Mode 1	488 x 300	1	-	251	-	457
Mode 2	488 x 600	2	-	167	-	303
Mode 3	488 x 900	3	-	122	-	221
Mode 4	480 x 1200	4	-	91	-	165
Mode 5	488 x 600	1	311	-	450	-
Mode 6	488 x 1200	2	170	-	300	-
Mode 7	488x 1800	3	112	-	218	-

Jumbo Roll Feed System is Optional\*



# Advanced Printing Technologies

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



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*



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



Highest standard of aluminum and CNC



Built to ensure accuracy of every micron



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



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



QA processes to ensure error-free performance



Optimal performance from concept to design to prototype to production stages



**Xactcolor™** was born after extensive continuous research & Development as a response to the problems that emerged from the market and keep updated in pushing the limits. Irrespective of temperature & humidity, variety of Inks, padding, fabric material & textures, this technology matches the same colour across all printers from the house of ColorJet.



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.**



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



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



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



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



**Osci plus™** oscillating pressure 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.

