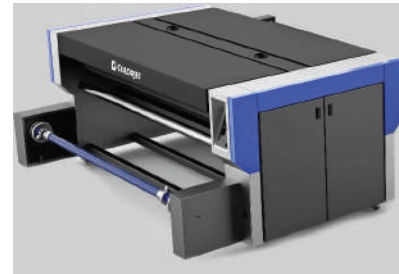




Dryer Unit – Multiple version or models

The dryer unit, available in multiple versions, offers customizable temperature control, adjustable conveyor speed, and energy-efficient design. With safety features and versatile compatibility, it ensures efficient and reliable drying for various textile printing applications. system to incorporate large size rolls for continuous printing.



Gold Plated Metal encoder

More precise ink jetting at high speeds, effectively leading to longer service life in comparison to plastic encoder



Linear Motor

Linear motor enables smooth movement of carriage and precise ink jetting at high speeds, effectively leading to lower maintenance.



Head crash protective system

Equipped with laser beam sensor which detects any unevenness or wrinkles of the fabric preventing contact with the printing head.



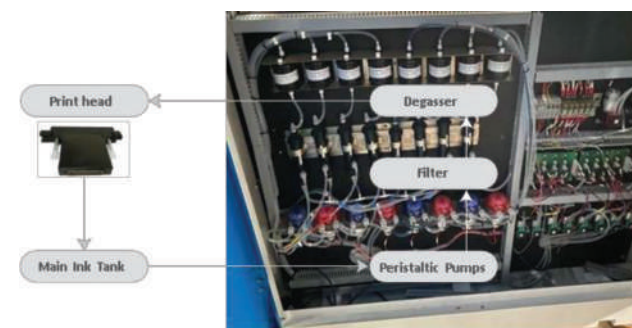
5 stages Water Efficient Belt cleaning system

- Automatic in line Transportation Belt washing system- Equipped with a brush roller & pair of sponge roller and after washing drying system enabling efficient belt washing system.
- Improved water jet design – The improved design enables user to clean the jet very easily allowing no blockage by lint or dust particles.
- Zero Moisture Belt drying Mechanism – Equipped with 12 number of fans with IR heater to remove moisture from belt



Continuous Ink circulation system

Provides constant & uniform temperature across the print head for superior printing uniformity. Considerable reduction of maintenance need with increase in head life.



COLORJET DELIVERS IMPECCABLE PRINT RESULTS & FLAWLESS SERVICE ACROSS THE WORLD



SPECIFICATION

VASTRAJET K2 PRO			
Configuration		CB8329	
Printing Technology		Drop-on-demand, Piezoelectric Inkjet	
No. of Print Heads		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 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		2342 x 5020 x 1975 mm (LxWxH) / 3500 Kg Approx.	
Dryer Dimension / Net Weight		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	Speed (In Sq. Meter/Hrs)
Mode 2	540x720	2	269
Mode 3	540x1080	3	194
Mode 5	540x1440	4	148

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THE MOST FLEXIBLE PRINTER!

WORKS WITH DIVERSE INKS & FABRICS!

VASTRAJET K2 PRO®



WORKS WITH DIVERSE INKS & FABRICS!

The **VastraJet K2 Pro** is designed to meet the demands of modern textile printing, combining advanced digital technology with industrial-grade performance. Featuring 32 Industrial Grade Konica Minolta Print Heads with High Quality print using ColorJet Original inks, this machine delivers unparalleled precision and clarity in every print.

Available in configurations offering 8 colour options, the VastraJet K2 Pro boasts impressive speeds of up to 269 Sqm/hr, ensuring swift turnaround times without compromising on quality.

We are excited to bring this ground-breaking product to market, with a lead time of 10 to 12 weeks from the date of order placement. Get ready to elevate your textile printing capabilities with the VastraJet K2 Pro.

Our New Design Philosophy -

Our textile printing machine design ethos intricately weaves together the sharp edges of modern grey with the soothing tones of blue, embodying precision at every step. Functionality, simplicity, and safety underpin our approach, ensuring meticulous detail in every print. Modularity, scalability, durability, and reliability promise versatility and endurance in textile production. Efficiency, optimization, and user-centricity enhance printing productivity for fabric applications.



VASTRAJET K2 PRO®

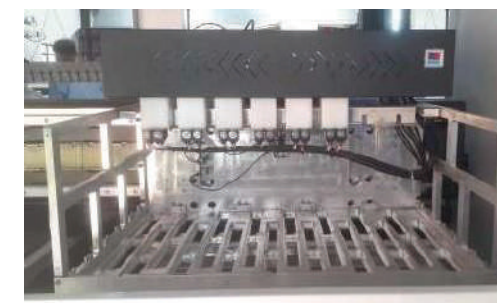
VastraJet K2 Pro Features

Higher mechanical precision
Through state-of-the-art engineering and manufacturing processes, the **VastraJet K2 Pro** achieves higher levels of mechanical precision compared to its predecessors. This translates to more accurate registration, finer details, and smoother gradients in printed designs. The increased precision also contributes to reduced material waste and improved consistency across batches, making it an ideal choice for high-quality textile printing.

AIVC® Tech
Colorjet Waveform ensure that the jetting adapts to the viscosity of the inks irrespective of the temperature of the inks and thus cooling system will be detrimental to use as the inks will pass multiple temperature variations.

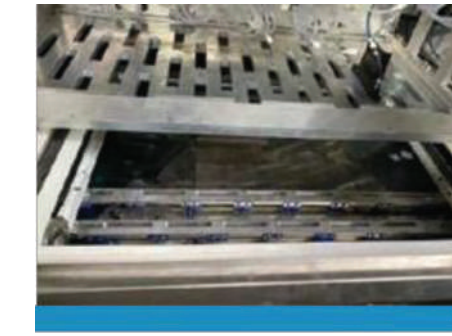
Controlled Airflow while Printing
Any kind of forced Airflow can result in uneven jetting or cross firing of water based inks which can ultimately effect the drop Placement and thus the print quality also gets effected.

Equipped with up to 32 Heads
32 KM Heads with 8 color configuration with 6pl drop size attaining sharp quality with high production.



On demand Capping and Wiping System using HMI screen

- Efficient Capping system prevents inks from drying within the print head when printer not in use for a long time and also protects the head from dust accumulation.
- Wiping system effectively remove ink, dust & debris from the print head to reduce head maintenance requirement.



Modular Feeding System

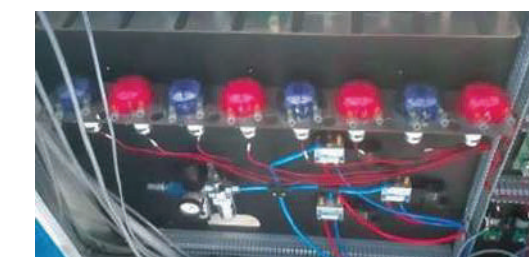
Independent fabric feeding module with adjustable tension regulators and mounting fabric roll on pneumatically expandable shafts. A modular feeding system to incorporate large size rolls for continuous printing.



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 highest print quality.
- Alarm for low ink in the main tank preventing any unwanted entry of air in the ink pipeline.
- Bulk ink supply barrel of 10 liters for continuous production.



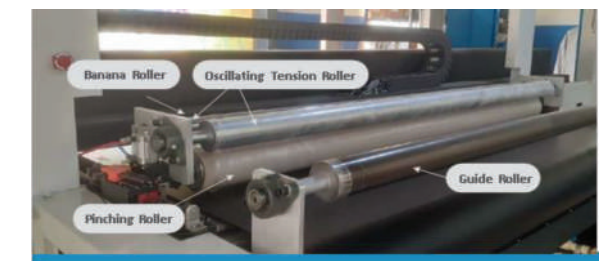
Efficient Tension Controller System

The machine is equipped with a system of precise OsciPlus™ precise rollers for efficient tension control and smooth feeding of the fabric irrespective of any fabric parameter-gsm, weave, crimp, elasticity, skewness. Limit switch sensor is also provided to stop the feeder in case of irregular pull of fabric release of fabric in sync.

Tension roller – The tension roller adjusts the uneven tension on the media and helps in smooth movement.

Banana Roller – The curved roller helps in precise alignment of the fabric.

Silicon Pinching roller – The roller helps in keeping the fabric adhered on the belt for efficient printing.



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. These advancements result in consistent print quality, optimised drop placement, and minimized disruptions during operation.

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. Safety rope emergency staff switch added in the fabric feeding zone to provide additional safety during operations. In addition to the 4 emergency switches. Eye bolts facilitate machine lifting via hoist.

Optimized Fabric Pinching Process – A new array of rollers will ensure wrinkle free feeding with proper fabric tension across the width of the fabric. Three adjustment gear boxes are provided to manoeuvre fabric tension during feeding through spreader, banana, tensioner rollers. Spiral spreader roller can be provided as an optional to print hosiery fabrics.

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. It is relatively heavier and robust in nature. All components are placed appropriately to provide better user experience. Machine handling during loading, unloading & installation made highly flexible with accessibility to both fork lift and hoist.