COLORJET
Digitalizing Textile Printing

INTRODUCING

VASTRAJET PLUS

BUILT FOR RELIABILITY



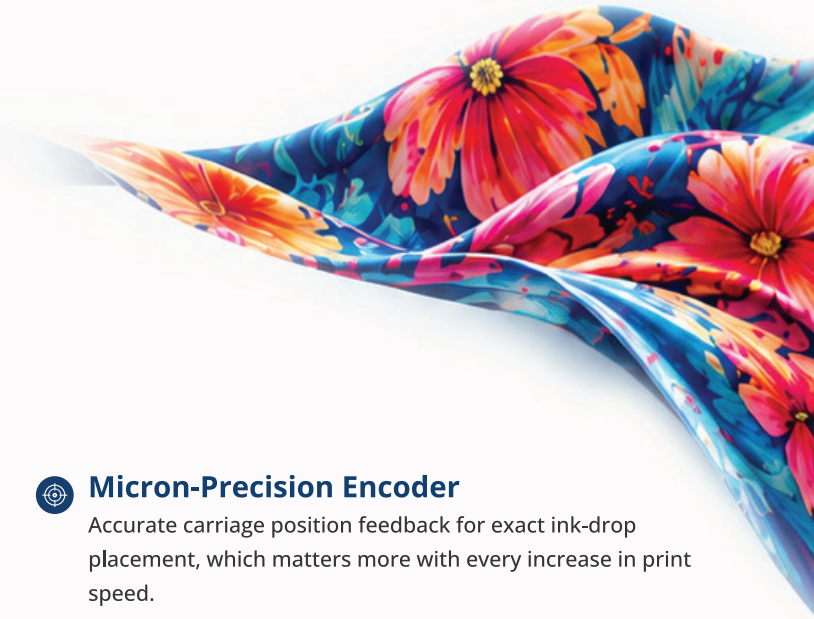
SHARPER OUTPUT
6 PL native drop with variable-drop printing for finer details, complex designs & sharpness.

FASTER, STEADIER MOTION
Linear-motor carriage drive with a micron-precision encoder keeps drop placement accurate & high speed.

HIGHER UPTIME
Laser head-crash protection, automatic belt alignment, Motorised wiping and capping

LESS INTERVENTION, MORE PRINTING

KEY FEATURES



Precision Motion & Print Engine

Linear Motor Carriage Drive
Direct-drive linear motor delivers precise, vibration-free carriage movement and sustains smooth motion during high-speed printing.

Micron-Precision Encoder
Accurate carriage position feedback for exact ink-drop placement, which matters more with every increase in print speed.

Turbocharged Nozzle Pumping
The new waveform lifts nozzle pumping ability from 0.22 mL/s to 0.41 mL/s, enabling deeper penetration and larger drops without sacrificing speed.

3-Level Variable-Drop Printing
Three drop sizes (approx. 6, 17 and 27 pL) let the print engine optimise drop volume per pixel, balancing coverage, tonal smoothness and detail.

Adaptive Ink Viscosity Control (AIVC)
The ColorJet waveform adapts jetting to viscosity changes caused by ink temperature, so jetting behaviour stays consistent from a cold morning start tofull-shift running.

6 PL Printheads
6 PL nominal drop for finer image detail, smoother gradients and controlled tonal rendering. Sixteen heads in two staggered rows for maximum productivity.

Fabric Transport & Belt System

Multi-Stage Belt Cleaning System
Waterjet, twin brush rollers and infrared heaters work in sequence to wash the belt, prevent lint and dust build-up, remove residual moisture and re-activate the adhesive every cycle.

Automatic Belt Alignment
Continuous belt-shift sensing with automatic correction removes manual tracking adjustment and keeps fabric transport stable through long runs.

Laser Head-Crash Protection
Laser sensors scan the fabric surface on the belt and detect wrinkles or unevenness before they can contact the printheads, adding a protective layer around the print engine.

Optimised Fabric Feeding
Built-in fabric feeder with a precision spiral spreader delivers wrinkle-free feeding and uniform tension across the full fabric width.

ENGINEERED FOR CONSISTENCY

FROM FIRST PRINT
TO FULL-SHIFT RUNNING



Maintenance & Uptime

On-Demand Motorised Capping & Wiping
Single-touch operation from the HMI. Motorised capping seals the heads against drying and dust during idle periods; motorised wiping clears ink, dust and debris from the nozzle plate, reducing routine head maintenance to a button press.

New Ergonomic Cabinet
A redesigned cabinet gives direct access to every critical component for maintenance and cleaning. Components are positioned for the operator, not aroundthe frame.

Ink Supply Systemt

Efficient Ink Supply
A complete closed system that keeps ink flowing smoothly and delivers high printing stability under industrial production loads.

Peristaltic Pumps with Negative Pressure
Hold the ink supply at a constant level and prevent ink from weeping or spilling from the heads.

Inline Degassing & Filtration
Removes air bubbles and particles from the ink lines to eliminate ink starvation and protect print quality.

Low-Ink Alarm & Bulk Supply
Main-tank low-level alarm prevents air from entering the pipeline; 3.9 L bulk ink supply keeps production continuous.

Drying Flexibility

Inbuilt infrared dryer- CD8169
A complete closed system that keeps ink flowing smoothly and delivers high printing stability under industrial production loads.

Modular C-Dry 50 - CE8169 (Optional)
Hold the ink supply at a constant level and prevent ink from weeping or spilling from the heads.



COLORJET DELIVERS IMPECCABLE PRINT RESULTS & FLAWLESS SERVICE ACROSS THE WORLD



SPECIFICATIONS

VASTRAJET PLUS				
CONFIGURATION			**CD8169**	**CE8169**
Printing Technology			Drop-on-demand, Piezoelectric Inkjet	
No. of Print Heads			16	
Print Heads	Type		Industrial Grade Jetting Assemblies	
	Resolution		Upto 1440 DPI	
	Height Adjustment		Upto 20 mm	
	Cleaning Method		Pressure Purge and Wiping	
	Wetting Control		Piezoelectric Actuations	
Ink	Type		Pigment/Disperse/Reactive/Acid	
	No of colors		8	
	Supply		3.9 Ltr, bulk ink supply system with inline degassing	
Fabric	Type		Cotton, Viscose, Polyester, Polyamide, Silk, Wool	
	Max. Thickness		Upto 10 mm	
	Fabric Width		1850 mm	
	Printing Width		Upto 1800 mm	
	Roll Diameter		Upto 450 mm	
Fabric Drying System			Built-in Infrared heaters	Modular Heating Unit
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			220V, 35A single/three phase load distribution, 50Hz	
Operating Condition			Temperature: 24°C ± 4 Humidity: 64% ± 10% RH	
Outer Dimension/Weight			1500 x 3950 x 1600 mm (LxWxH) / 1200 kgs Approx.	
Speed (In Sq. Meter/Hrs)	**Print DPI**	**Passes**	**CD8169**	**CE8169**
Mode 1	540 x 720	2	163	
Mode 2	540 x 1080	3	108	
Mode 3	540 x 1440	4	81	

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