VULCAN

HIGH-SPEED 3.2 M ROLL-TO-ROLL
UV LED INKJET PRINTER

FOR INDOOR AND OUTDOOR PRINTS

COLORJET VULCAN :
SMARTLY INTEGRATED DESIGN FOR CONVENIENT TROUBLE-FREE OPERATION

MOTORIZED CARRIGE HEIGHT ADJUSTMENT

AIR - AUTOMATIC INK REGULATOR embed individual Temperature controller to maintain temperature of each ink type (Cyan, Magenta, Yellow, Black & White).

LED LAMPS offer a huge energy saving solution to all their customers. Due to this feature, our product is ideal for all thermally sensitive materials like thin slides, self-adhesive sheets, and stretched ceiling materials which is made up of PVC fabric.

ADVANCED PLASMA ANTI-STATIC DEVICE Integrate the advanced plasma anti-static device technology to avoid ink spray over the media and also ensure high quality printing with low ink consumption.

COLORJET VULCAN - INTRODUCES HUGE ADVANTAGES OF UV LED TECHNIC IN PRINT

Embedded with UV LED lamps for the curing process and has several benefits which makes printing more economical and ecological:

• **Cool Printing Environment:** Enables to print on heat sensitive substrates, viz. thin slides, self-adhesive sheet, stretch PVC materials, and more. Minimum heat resistance allows effective bi-directional calibration.

• **Easy Switch OFF and ON:** Easily switch ON and OFF without degradation of intensity. Thus, there is no warm up time which leads faster operation with high productivity.

• **Long life of the Machine:** LED has a long life. Thus, they offer long term benefits without lamp down time or any other consumable cost.

• **Power Saving:** Consumes low electricity. Thus, it saves power and offers cost effective solution.

• **Environmental Friendly:** Doesn't consist mercury (a non-disposable element) and ozone gas that can harm the environment.

REINFORCED BEAM Having robust beam with high precision ColorJet VULCAN, you can ensure quality as well as fast printing process and satisfy all the requirements of their customers by providing accurate dot placement solution.

PNEUMATIC PRESS RUBBER ROLLER

CARRIAGE SAFETY SENSORS Propose a complete set of carriage safety sensors which helps in preventing the crucial part of the machine, "The Print Heads" from being touching the substrate and avoid the danger of damage of the Print Heads.

HIGH-TECH VACUUM SYSTEM ColorJet VULCAN offers highly advance and modern vacuum system that takes care of flawless media handling and quality printing. On the other hand, dual roll printing proposes right vacuum for each roll.

A PERFECT SOLUTION FOR INDOOR AND OUTDOOR APPLICATIONS
• Banners • Signage • Billboards • Terminal Graphics • Building Wraps • Tradeshow Graphics • Bus Shelters

COLORJET VULCAN: THE ADVANTAGES OF MULTI-LAYER PRINTING

The multi-layer technology offers the following printing modes of white color:
• **Pre White** : Printing white underneath the main color.
• **Post White** : Printing white on the top of the color.
• **Sandwich White** : Printing white in between the main color like Color-White-Color.

In multi-layer technology, print heads are arranged in staggered or inline format. This means that the multi-layer technology offers unbeatable quality by mixing appropriate portion of white with other color to enhance the visibility of the print. This can be proved best for the backlit print application.

ColorJet VULCAN Delivers

Eco Logical Aspect
Use of LED lamps, UV inks, and polyester fabric lists the ColorJet VULCAN printer into the Green Environmental and Nature Friendly product.

High Productivity
ColoJet VULCAN integrates the fast firing Industrial Head (Industrial Grade Jetting Assembly), which is especially designed for UV-curable ink or other high viscosity ink printer. These print heads offer high quality prints for label or packaging, sign graphics, offset surprint, back-lit or front-lit banners, and other applications. Moreover, Industrial head enables anti-blocking and automatic bubble cleaning technology which reduces nozzle blockages to maintain high quality prints.

Superior Quality
ColorJet VULCAN proposes superior quality as it embeds with Industrial heads (Industrial Grade Jetting Assembly) with high intensity which assures quality printing of artefact-free solids, adequate text re-production, high resolution tonal rendering with low ink consumption along with upto 1800 dpi high resolution printing modes.

FEATURES

Eco Cooling System
Integrates eco cooling bed technology in which water cooling system is embedded that maintains printing temperature and remove media wrinkle to ensure high quality prints.

Dual Roll Printing
The dual-roll option enables customers to install two or more rolls one after another. This will help in executing multiple jobs simultaneously and also enhance the efficiency of the printer on smaller media.

Wide Range of Media
Support wide range of flexible material with UV-curable inks viz. fabric, canvas, self-adhesive vinyl, plastic film, paper, and polyester. All these materials are 100% PE eco-friendly thus there is no harm to environment. Additionally, best for outdoor applications like billboards and building wraps.

White Color Technology
VULCAN white operates with ColorJet' latest generation of white inks, which are opacity. This means that this feature enables to obtain a qualitative white output with the use of low ink consumption at colored or dark substrates (elements) as well as on transparent material (like glass) for backlit and front-lit applications. Most importantly, one can use the white color or configuration technology as a spot color along with white ink circulation system.

Feeder Technology
Media loading is very simple and straightforward, yet automated, using the advanced technology like wider size media-tension rollers which helps in stretching media to remove wrinkle and prints with high precision.

Flexi Layer Technology
The use of UV-curable ink in ColorJet VULCAN empowers customers to print effectively and efficiently on any type of flexible media like high quality banners, back-lit, front-lit, self-adhesive vinyl, and more. These high quality UV inks offers unbeatable print quality (ensures no cracks or lines) with low ink consumption.
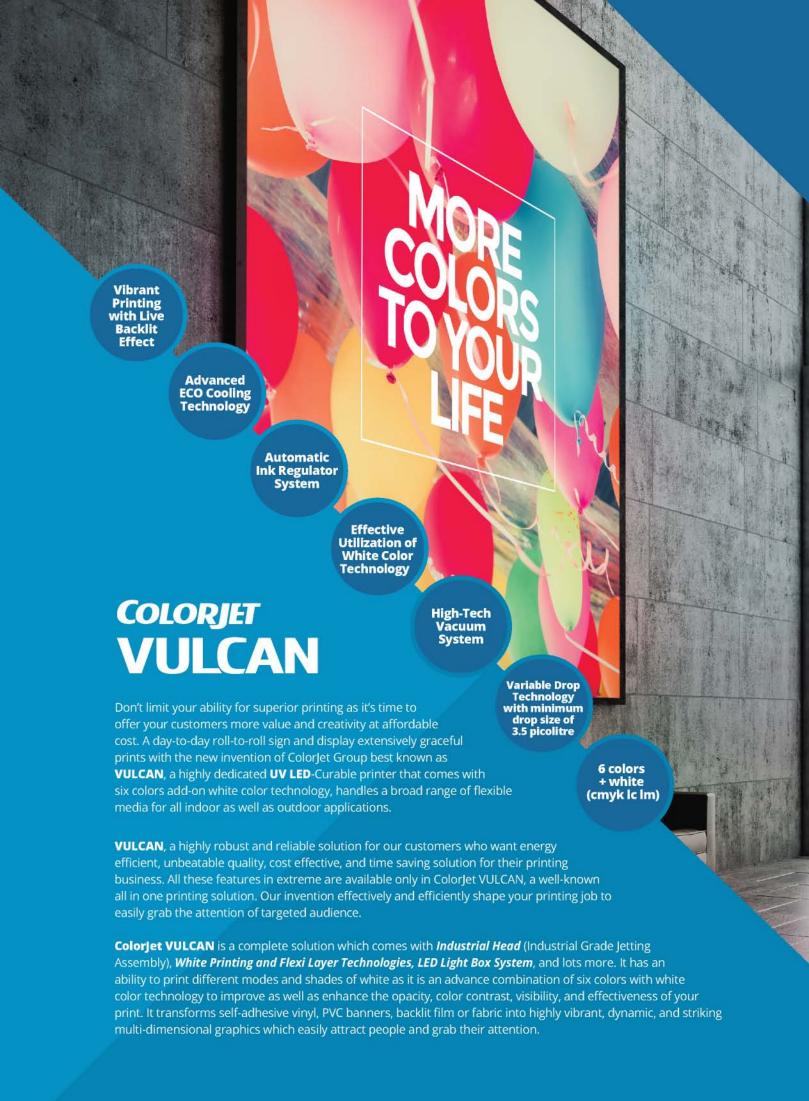
User Friendly Operating System
The user interface of the ColorJet VULCAN is highly interactive and user friendly so that customers need not require assistance from anyone else for handling the machine.

Media Trimming System
This advanced feature enables to cut the Fabric media vertically in uni-direction.

• Window Displays • Flags • Wall Graphics • POP and POS Graphics

MORE COLORS TO YOUR LIFE

Vibrant Printing with Live Backlit Effect

Advanced ECO Cooling Technology

Automatic Ink Regulator System

Effective Utilization of White Color Technology

High-Tech Vacuum System

Variable Drop Technology with minimum drop size of 3.5 picolitre

6 colors + white (cmyk lc lm)

COLORJET
VULCAN

Don't limit your ability for superior printing as it's time to offer your customers more value and creativity at affordable cost. A day-to-day roll-to-roll sign and display extensively graceful prints with the new invention of ColorJet Group best known as **VULCAN**, a highly dedicated **UV LED**-Curable printer that comes with six colors add-on white color technology, handles a broad range of flexible media for all indoor as well as outdoor applications.

VULCAN, a highly robust and reliable solution for our customers who want energy efficient, unbeatable quality, cost effective, and time saving solution for their printing business. All these features in extreme are available only in ColorJet VULCAN, a well-known all in one printing solution. Our invention effectively and efficiently shape your printing job to easily grab the attention of targeted audience.

ColorJet VULCAN is a complete solution which comes with *Industrial Head* (Industrial Grade Jetting Assembly), *White Printing and Flexi Layer Technologies, LED Light Box System*, and lots more. It has an ability to print different modes and shades of white as it is an advance combination of six colors with white color technology to improve as well as enhance the opacity, color contrast, visibility, and effectiveness of your print. It transforms self-adhesive vinyl, PVC banners, backlit film or fabric into highly vibrant, dynamic, and striking multi-dimensional graphics which easily attract people and grab their attention.

SPECIFICATIONS

UV R2R 3.2 mtr		
Models		
Printing Technology		Drop-on-demand, Piezo Electric Inkjet (3.5pl) Variable Drop Technology with minimum drop size of 3.5 picolitre
Print Head		Industrial Grade Jetting Assemblies
No. of Print Heads		2 to 14
Media	Width	3300 mm
	Thickness	Maximum 10 mm with Liner
	Roll Outer Diameter	Maximum 300 mm
	Roll Weight	Maximum 150 Kg
	Core Diameter	2" & 3"
	Type	Ceiling Film, Vinyl, Advertising Banner, PET, Wall paper, Fabric, and many more
Printing Width		Maximum 3200 mm
Ink	Types	UV Curable Ink
	Colors	6 Colors (CMYK LC LM) + White
Printing Resolution (Dots Per Inch)		Maximum Upto 1800 dpi
Distance Accuracy		Error of less than ±0.3 % of distance travelled, or ±0.3 mm, whichever is greater
Connectivity		High Speed USB 3.0
Power Requirements		AC 220 V ±10%, 30 A, 50/60 Hz
Dimensions (Printer only)		5800mm x 1800mm x 1600mm (LxWxH)
Dimensions (With Packing)		6280mm x 1800mm x 2140mm (LxWxH)
RIP Software		Caldera (ColorJet Edition)
Weight		3570 Kgs N.W., 4100 Kgs G.W.
Environmental	Power ON	Temperature: 18 to 28°C. Humidity: 35 to 80%RH (non-condensing)
	Power OFF	Temperature: 5 to 40°C. Humidity: 20 to 80%RH (non-condensing)

Speed (In Sq. Meter/Hrs)	Print DPI	2 Head	4 Head	8 Head
Production Mode	604 x 600	34	68	120
Quality Mode	604 x 1800	22	43	70
High Quality Mode	604 x 1200	17	33	60

5 mtr option also available