



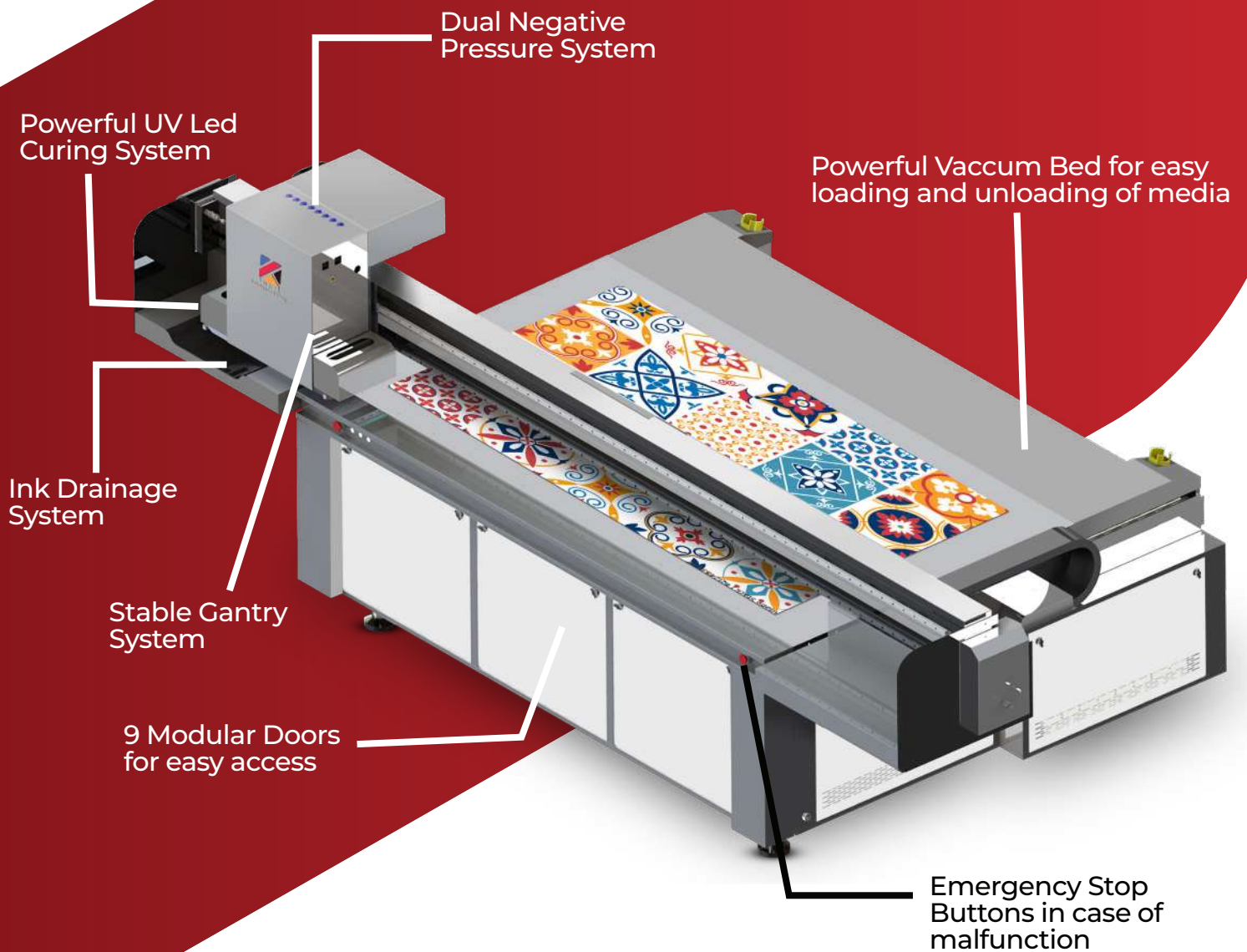
KALEIDO

Infinite possibilities

WHERE IMAGINATION MEETS
GRAND-SCALE REALISATION



KALEIDO 2513R
8*4 FLATBED UV PRINTER

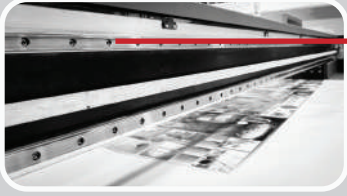


TARGET APPLICATIONS



A Stable Frame

Kaleido UV2513R LED's welded steel beam with its aligned rails, encoder strip, & servo motors allows flawless movement & perfect positioning of the print head shuttle



Dual Linear Guides assuring quite & stable movement

Anti-Collision Sensor

High-precision Impact Sensors on both sides of head carriage mechanism ensure that the print heads are not damaged from curled, swollen or surged materials.

UV2315R is equipped with **Automatic high-Volume ink supply system** ensuring continuous printing.

The white ink has automatic stirring & circulation system, which avoids the clog of white printhead.

Optional varnish not only enhances the visual quality but also creates the tactile attribute of graphics.

Automatic Height Detector



The advanced Automatic Height Detector can detect the material thickness and find a good height position for best quality printing

Saves time and Manual effort in plotting the Head height at different points on the surface of the bed



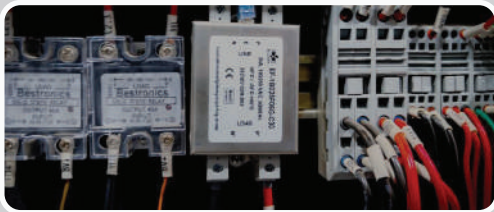
The machine is equipped with **4 emergency stop buttons** strategically positioned at each corner, ensuring enhanced safety measures and minimizing material waste in the event of a malfunction.

Dual Negative Pressure System

ensuring excellent Ink Flow & Stable Jetting



BYHX Electronics with A+ Scanning Print Control System



A+ system is flexible and suitable to meet most fundamental mini-size configuration requirements

A Perfect Vacuum

The engine's vacuum bed design ensures extremely accurate and reliable dot placement.

Honeycomb Hard Oxide Vacuum Adsorption platform to improve printing accuracy

Vacuum Table with **registration pins** is for accurate feeding the medias. Table with pneumatic collapsable linear alignment pins is for easily positioning the rigid medias

The bed contains almost 11,000 vacuum holes and is divided in **4 vacuum compartments**, so that you can print differently sized media without having to tape off the whole vacuum bed.

This design also allows you to use separate parts of the bed for different jobs in the same print run

Advanced mechanical structure assists value-added print products

- Table-driven printing delivers superior quality image
- Direct printing on an object up to 100 mm thick

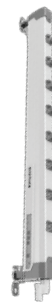
Ricoh Gen 5/Gen 6 Head



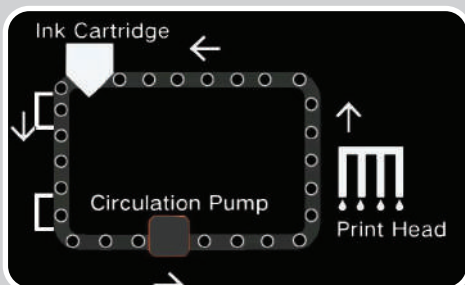
The Ricoh printhead features intelligent skip - printing for blank areas, supports multiple copy and area printing, uses grayscale piezoelectric nozzles with variable ink drop sizes from 7-35pl, and can print up to 1200x1200 dpi resolution with clear 2pt font rendering

Anti-Static Bars

An ionization bar mounted on each side of the carriage removes electrostatic loads on the substrate, ensuring optimum ink droplet control



White Ink Circulation System



Keeps color particulates in motion for improved stability and dispersion of pigments in the fluid reservoir & ink path

SPECIFICATIONS

Kaleido 2513R								
Printing Technology			Drop-on-demand, Piezo Electric Inkjet					
Print Heads			Industrial Grade Jetting Assemblies					
No. of Print Heads			2 to 9 (7 PL)					
Media	Size		2.56 m x 1.68 m					
	Thickness		Maximum 100mm					
	Handling		Suction & Blower					
Printing Size			2.44m x 1.22m					
Curing System			Dual UV LED Lamps					
Ink	Type		UV LED Curable Ink					
	System		Bulk Ink Refillable System					
	Colors		CMYK + W + V					
Printing Resolution (dots per inch)			1200 dpi					
Distance Accuracy			Error of less than _0.3 mm, whichever is greater					
Connectivity/ Interface			USB 2.0					
Power Requirements			AC 220 V, 30 A, 50/60 Hz					
Dimensions (Printer only)			4660 x 2180 x 1480 mm					
Dimensions (With Packing)			4830 x 2280 x 1840 mm					
RIP Software			Onyx					
Weight (Net Weight/ Gross Weight) Kgs			1450					
Environmental	Power ON		Temperature: 18 to 28°C Humidity : 20 to 60% RH (Non-condensing)					
	Power OFF		Temperature: 5 to 40°C Humidity : 20 to 80% RH (Non-condensing)					
			Ricoh Gen 5			Ricoh Gen 6		
Mode	Print DPI	Passes	2 Heads	4 Heads	6 Heads	2 Heads	4 Heads	6 Heads
			1 row	2 row	3 row	1 row	2 row	3 row
Mode 1	635 x 900	6P	15	27	41	-	-	-
Mode 2	635 x 1200	8P	12	22	32	-	-	-
Mode 1	635 x 600	4P	-	-	-	32	53	68
Mode 2	635 x 900	6P	-	-	-	22	39	52

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