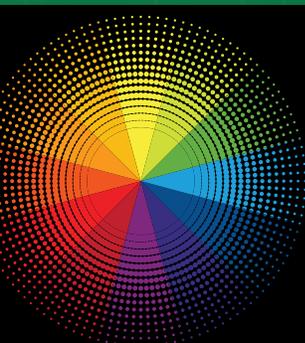# Flora Hi-Resolution 2512UV Flatbed Printer

- ✔ 8-16 Konica Minolta print heads (CMYK, Lc, Lm, White, & Varnish)
- ✔ Highly versatile machine with the ability to print on just about any substrate or rigid material
- ✔ Printing speeds as high as 417 square feet per hour
- ✔ Capable of printing on materials up to 4 inches thick!
- ✔ Hi-resolution printing up to 1440 x 1440 dpi
- ✔ Full bleed true flatbed printer (4x8 feet)

High resolution with brilliant print quality

The Konica Minolta print heads have a small 14 picoliter droplet size for excellent resolution and soft gradients. Using 8 to 16 print heads you can expect the finest 1440 dpi and the most brilliant UV printing on the market. For speed, the 2512UV can deliver 417 square feet per hour!

Variable color configuration that's easily upgradable

The standard 2512UV flatbed system comes with 8 Konica Minolta print heads. The most popular configuration would be CMYK, Lc, Lm, plus White and Varnish (8 print heads). Adding additional print heads (up to 16), for a customized configuration is easy. Some prefer the maximum production setup, which is 4 groups of CMYK. Others enjoy both speed and quality with a group of 12 heads, which is 2 groups of CMYKLcLm. There are many variations and options, the choice is yours...
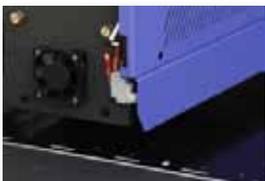
Automatic pin registration system

Production and accuracy is improved through the use of Flora's Automatic Pin Registration System and a simple three-step process for substrate and media alignment.
• **Step 1:** Push the Media Preset Button and the alignment pins emerge from the bed surface.
• **Step 2:** Align the material.
• **Step 3:** Push the Media Preset Button and the pins are retracted. The PMR system delivers easy substrate alignment and accurate repeatability resulting in high precision output.

Auto media calibration

A Flora design innovation which allows the printer to detect the distance between the print nozzles and the media surface. Once calibrated, the print heads then automatically adjust the nozzle height to the optimized distance for exceptional printing.

Automatic anti-crash sensor

Maximizing production time will enhance shop workflow. Flora's print head sensor eliminates costly head strikes due to media or substrate misalignment. This sophisticated safety feature can detect an obstruction on the printing surface then immediately stop the carriage movement to protect the Konica Minolta heads, saving media and ink. The ACS system also allows for maximum uptime.
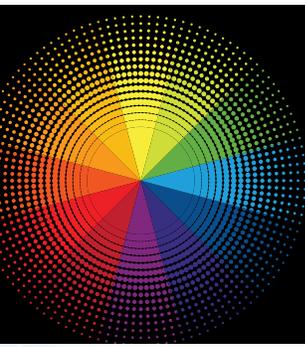
Auto cleaning system

The smart cleaning system enables the print head nozzles to auto-prime and wipe automatically. This function is accomplished through software settings or on the control panel. Consistent maintenance saves time and money while maintaining reliable print quality and vivid color.

White ink recirculation

The Flora 2512UV flatbed printer offers innovative applications for white ink. White ink's brilliance is maximized by a reflow system that keeps color particulates in motion. Suspension of these particles ensures maximum color coverage and clarity. Full white ink coverage yields outstanding image results with little maintenance.

Dedicated white ink

The FLORA white ink application system is one of the most sophisticated in the industry! Used as a base color, an overcoat, fill color, under spot color, over spot color, and as a standard white only spot color the 2512UV is extremely versatile at using white ink! White ink has become increasingly popular for printing on dark substrates or transparent films and acrylics, and the Flora 2512UV flatbed demonstrates that all white ink applications are not created equal.

Varnish system

A clear varnish can be added to the Flora Konica Minolta ink system and can be used for color highlights, special effects, spot varnish, or unique graphic effects. The only limitation is your imagination. Additionally you can intensify the color and protect a print by using the all-over varnish application. Let your prints shine with the Flora varnish system!

Three layer printing innovation

The Flora 2512UV flatbed printer has the capability to print 3 different layers of ink with a single pass for maximum productivity. Utilizing the three layer system for maximum productivity and exceptional results on specialty substrates, is one way to get the most out of your 2512UV flatbed printer. Get your job done quickly and brilliantly with this fine machine.

Vacuum hold down table

From substrates as large at 4x8 feet, to smaller than 8.5x11 inches the Flora 2512UV flatbed printer has a powerful four zone vacuum table which secures the media for accurate printing. Want to print on a the back of a standard door? No problem. The Flora can print on just about anything, including material that's 4 inches thick!

Spot white undercoat	Spot white three layer	Overcoat mode
Red acrylic substrate	CMYK layer printed first	CMYK mirrored printing on transparent media
Silhouette spot white printing	Spot white printed in the middle	White ink overcoat application
Outstanding detailed results	Excellent print with deep saturation	Amazing results on both sides

FLORA 2512UV FLATBED PRINTER
Technical Specifications

Print	
Print head	8 to 16 Konica Minolta 512 print heads
Print modes	Print modes
Standard	417.6 square feet per hour
High quality	277.7 square feet per hour
Ultra quality	208.8 square feet per hour
	*Printing speed may increase or decrease depending on the print head configuration
Resolution	Up to 1440x1440 dpi
Technology	Piezoelectric inkjet, UV-curable inks
Ink types	UV-curable, pigment based ink
Ink colors	Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta, White, and Varnish
Ink capacity	4 liter (each color)
Software	SAi PhotoPRINT Server Flora Edition
Color management	ICC based, adjustment curves, density adjustment
File formats	AI, BMP, EPS, GIF, JPG, PNG, PSD, PDF, TIF, etc.

Media	
Handling	Flatbed, sheet feed, and roll feed with optional Roll-to-Roll upgrade kit. True vacuum table and automatic media registration pin system for easy loading and accurate printing set up. Optional pump blower makes it easy to unload media.
Rigid media support	True flatbed table support for rigid materials up to 48x96 inches and 110 pounds per square foot.
Roll-feed media support	Optional Roll-to-Roll upgrade kit that supports flexible media up to 96 inches wide, 11.8 inch diameter and 220 pounds in weight.
Thickness	Up to 4 inches thick!

Connectivity	
Interfaces (standard)	Fast USB port

UV energy source	
	Dual shuttered UV lamps with independent user control of shutters and two lamp power levels

Dimensions (l x w x h)	
Printer	15.75 x 8.5 x 4.75 feet
Shipping	16.5 x 7 x 5 feet

Weight	
	2,645 pounds / 3,527 pounds (shipping weight)

Operating conditions	Operating conditions
Temperature	68-86 degrees Fahrenheit
Relative Humidity	20-80%

Power	Power
Maximum	7,500 watts
Requirements	Input voltage: 220 VAC, 35 amp, 50/60 HZ, single phase

Warranty	Warranty
	One year parts and labor! (excludes consumables)
	Extended warranty also available

graphixdirect.com

714-428-0060
sales@graphixdirect.com