

QUALITY AND DEPENDABILITY

Flora Digital Printing Systems is second to none: the company is committed to developing and providing the optimum, most innovative, high-quality and reliable digital printers to its valued loyal customers. The premium craftsmanship, deluxe components, superior used-materials, high-standard assembly and compliance to ISO 9001 guidelines give the company and its products a distinguished worldwide reputation.

BEST RETURN ON INVESTMENT

Our goal doesn't stop at selling a printer only; on the contrary, our vision dictates that we accompany clients all the way and cater to all their needs when using their purchased printer. Thus, the services we provide extend to training users and familiarizing them with all the aspects of manipulating their machine. In that respect, we are committed to offering door-to-door free installation and adjustment of the printer and free professional training for those who will operate it. Moreover, during the first year of operation, the buyer will benefit from a free upgrade support and on-site maintenance visits. Our maintenance team formed by the best technicians is there to ensure the quickest possible response and provide a prompt solution to any arising problem. Again, we provide the best supply of accessories and related consumables at highly competitive prices.

Customer Care:

Flora Digital Printing Systems is a leader on the market with its highest printing speeds, technologically-advanced designs and supreme manufacturing quality at a reasonably competitive acquisition costs. As a customer, one has only to compare technologies and benefits and conclude why today a Flora Digital Printer is nothing but the most optimal Asian-built equipment on the market.

**CMYK Middle East & Africa**

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Up to 38 sqm/hr | 14 picoliter | User Friendly | One Year Warranty

PP 2512 - UV

Konica Minolta printheads

UV printing is different from conventional printing in many ways. It is still ink on paper but the ink dries through a completely different process. Instead of having solvents in the ink that evaporate into the air and absorb into the paper, UV inks dry through a photomechanical process. When the inks are exposed to ultraviolet lights they turn from a liquid, or paste, to a solid. There is significantly less evaporation of solvents and much less absorption of the ink into the stock. This is advantageous for many reasons. One of the biggest advantages of UV printing is that there are fewer emissions of volatile organic compounds into the environment since there is no evaporation of the solvents like with conventional inks. Another advantage of UV printing is that the inks can dry on plastic and other non-porous substrates. Because the inks dry through a photomechanical process it is not necessary for the ink solvent to absorb into the stock. Basically, if you can get the stock through the press you can print on it.

Printers have even been known to print on substrates as unusual as wooden veneer. In addition to the advantage of printing on unusual substrates like plastic, UV printing also offers significant advantages when printing on uncoated stocks as well. The solvents in conventional inks absorb very quickly into uncoated stocks. Because of this, less of the solvents evaporate into the air and the printed piece tends to have excessive dot gain and will look muddy or too full. Since UV inks dry when exposed to UV light, the inks do not have the time to soak into the paper. The ink dot is left sitting on top of the uncoated sheet, where it presents a cleaner less contaminated dot, ultimately giving more vibrant color.



General Information

Printing methods	Drop-on-demand piezo electric
Ink reservoirs	Refillable on the fly while printing / 4000ml per color
Ink characteristics	UV Curable Inks
Printhead controls	Printhead temperature and voltage are software adjustable
Media handling options	Rigid Sheets
Drying system	UV Lamp
RIP software	Photoprint 6.1 Flora Edition (Windows 2000, Windows Xp, Pro SP2)
Color management	ICC based color, adjustment curves, density adjustment
File formats	Bitmaps, TIFF, JPEG, Postscript 3, EPS, PDF etc.
Electrical requirements	50Hz/60Hz, 200V-240V, Maximum 30A
Environmental requirements	Ambient temperature: 18-30°C, Relative humidity: 40-70%
Warranty:	1 year (please consult your local dealer for details)

Technical Specification

Model	PP 2512UV
Printing heads	Konica Minolta printheads
No. of Print heads	8~16 heads
Color	4(CMYK)~8(CMYK, LC, LM, W, V)colors
Resolution options	360x360, 720x720, 1440x1440dpi
Printing Speed	Standard Quality Up to 38sqm/hr High Quality Up to 25sqm/hr Ultra Quality Up to 19sqm/hr
Maximum media format	122cm x 254cm
Maximum printing width	120cm
Maximum media thickness	10 cm
Media Types	corrugated paper, foam core, PVC, ceramic tile, synthetic glass, wood, metal sheet, paper, advertising banner, mesh fabrics, adhesive vinyl, etc.
Outdoor durability	3 years (with Flora inks)
Dimensions	4.5m L x 1.95m W x 1.30m H
Net Weight	1500kg