

F1-2515UV

UV Flatbed / Roll Printer

Roll and Rigid Media Capability

15 Konica Minolta Print Heads

Photographic Image Quality

Up to 1440 dpi

White Ink Options

Outstanding print quality at 54 sqm /hour !

581 sq ft /hr



F1-2515UV

Operating Data Sheet

Printhead Setup

15 Piezo Electric drop-on-demand Konica Minolta print heads can print 14pL nominal drop sizes for 512 nozzles running at 7.6 KHz. The printhead is designed to have a "wing" structure so that users can precisely align the print heads without difficulty.
Excellent dot placement accuracy

Resolution

360 x 360 dpi
720 x 720 dpi
1440 x 1440 dpi

Speed

28 sq m /hour Ultra Quality
38 sq m /hour High Quality
54 sq m /hour Standard Quality at 4 Pass,

Colors

CMYK + White
With options for White color printing

Media

Rigid Media including corrugated boards, Fome-cor, plywood, ceramics, aluminum, PVC, acrylic, glass, sheet metal, gatorboards, etc.
Roll media including flex banners, paper, adhesive back vinyls, leather, fabrics, etc

Image Processing

Photoprint 5 Flora Edition
High performance Dual core processor with 2Gb RAM

Inks

Environment friendly UV curable inks can print on a wide range of coated or uncoated media, and refillable on the fly.

UV Curing System

Two shuttered Mercury Lamps with High and Low Power setting
Various modes of UV shutter operation

Media Handling

Vacuum Belt Drive for Roll or Rigid media
Up to 2.53 meters wide and 4.8 cm thick
With take up and supply rollers for roll media.
Quick change-over between roll and rigid media.



All Specifications are subject to change without prior notice

Media Dimensions

Maximum Media Width253 cm
Maximum Printing Width253 cm
Maximum Media Thickness4.8 cm
Maximum Media Weight 60 kg
Maximum Roll Diameter25 cm

Electrical

200-240 VAC, Single Phase, 50/60 Hz,
30 Amps Maximum

Operating Conditions

18 degrees to 30 degrees Celsius
40% to 70% Relative Humidity

Agency Compliance

CE Certified

Physical Dimensions

Weight:1050 kgs.
Height:.....1.56 m
Depth: (excl Table)0.99 m
Width:.....4.49 m
Extension table0.90 m

F1-2515UV Superiority in Quality and Performance

F1-2515UV **Superiority in Quality and Performance**

F1-2515UV for Indoor, Outdoor, Roll & Rigid

F1-2515UV's High resolution, 360 nozzle per inch spacing has enabled arranging 512 nozzles on a compactly designed print head with a unit drop volume capability of 42pl. The principle of shear mode piezo actuation with shared wall structure allows lower power consumption as well as a high-density nozzle array. It meets the photographic crisp and clear image quality requirements of most indoor graphics. And for outdoor applications, of course, the UV curable inks offer excellent fade or scratch resistance properties. F1-2515UV Turbo has the versatility to print on roll and many different rigid media and produces outstanding quality prints at a high speed of 581 sq ft per hour (54 sqm /hr) at 4 pass mode.

Design High Points

Vacuum Belt Media Transport. *For accurate dot registration, media is carried through the print zone precisely by the vacuum belt resulting in correct and exact deposition of ink in the right place at the right time.*

Media versatility. *Since the media is transported on a vacuum belt, the printer can handle both roll and rigid media of various thicknesses, weight, smoothness and size. Automatic media height adjustment capability assures perfect distance between printhead and media.*

White Ink Option. *With an additional color of White, as supplement to the four process colors CMYK, faithful and excellent reproduction of images becomes easily achievable. White ink mode includes under print and over print features.*

UV Curable Inks. *UV curable inks have outstanding useful qualities and offer the flexibility of being able to print on just about any roll or rigid media and other fabrics too. Designers and print buyers enjoy such fine UV qualities as high shine, brighter colors, quick dry, superior print quality on uncoated materials, even with lesser grade of paper, high graze resistance and improved dot gain characteristics. Generally, because UV inks do not dry in print heads, UV systems require less maintenance and offer higher reliability.*

Dual Shuttered UV Lamps Curing System. *The F1-2515UV employs a power saving, lesser heat generating and life-extending system by using a dual Mercury lamp curing method and shutting the leading UV lamp. The power setting for each lamp can be adjusted to High or Low position. This enables the machine to print bi-directionally on a wide range of substrates.*

Automatic Media Height Adjustment. *To be able to work with high precision and accuracy on a wide range of media, the printer is designed to automatically accommodate media thickness of up to 4.8 cm. and quick changeover of work between roll and rigid media.*

Simplified Head Maintenance. *To maintain good print head nozzle reliability, even after extended idle time, the printer is designed with an automated head cleaning system which employs a non-contact nozzle plate vacuuming system, protecting the nozzle plate from scratching.*

F1-2515UV : 2.5 meter wide UV Flatbed printer

Roll and Rigid Media Capability
Precise vacuum belt feeding of media
Photographic Image Quality
White Ink Options
Up to 1440 dpi
Automatic Media Height Adjustment

Outstanding quality at
581 sq ft /hour!



Enjoy the benefits of UV printing

The characteristics of UV printing and the outstanding capabilities and features of

Flora's F1-2515 UV Flatbed printer

expand the potential applications for printing of graphics business and optimize potentials for your digital printing business.



F1-2515UV
Superiority in Quality and Performance