Flora F1 250UV Turbo PRINTER
Hi-res wide format digital printing system
UV Hybrid Printer

- Greyscale Print heads, variable drop size from 14 to 42 picoliters
- Outstanding Speed up to 38sqm/hr
- Printing Width 2.54m with no limit for length.
- White ink, Spot, Over, Under, inline & Vanish solution
- Three Layers printing innovations(CMYK+W+CMYK)
- Speciality inks for glass, acrylic, vaccum forming & more

We manufacture one of the Finest, Long-lasting, Outstanding, Reliable, and Affordable digital printing systems
That’s why our company stands by its name
Flora F1 250UV Turbo PRINTER
Hi-res wide format digital printing system
UV Hybrid Printer

Variable Color Configuration + Easy Upgrade
F1 250UV Turbo offers variable color configuration among CMYK LcLm whiter + vanish, easy upgrade in future for different applications

Auto Cleaning System
Auto cleaning system allows the print head auto prime and wiping controlled by software or panel, which makes the print head cleaning much more simple and timesaving.

Auto Media Calibration
The auto media calibration pin automatically detects and gauges the distance between the print heads and loaded media then automatically adjusts to the optimized print height based on the thickness of the loaded media.

White Ink Recirculation
F1 250UV Turbo offers eight major utilizing white ink applications. White ink recirculation results in an effective elimination of ink starvation and protects print heads from clogging hazard.

Vacuum Convey-belt System
Strong Vacuum to adsorb rigid material up to 48mm on the convey-belt, meanwhile easily prints flexible media as wall paper, PVC, etc.
High Resolution and Brilliant Quality Images Output
Equipped with 5-15 or 4-8 Konica Minolta Piezoelectric print heads with a small droplet of 14 pl, which delivers high resolution at true 720 dpi quality images with YMCK four-color mode and apparent 1440 dpi when using Lc and Lm.

Dedicated White Ink
F1250UV offers eight major utilizing white ink applications as a base, overcoat, fill color, under spot color, over spot color, spot color. etc. Applying white ink is the most common application for dark or transparent substrates to highlight and present the most vivid of graphic.

Varnish Solution
F1 250UV’s optional varnish not only enhances the visual quality but also creates the tactile attribute of graphics. Users are able to apply varnish directly on graphics via print heads as either an all-over coating or as a spot-highlighting, giving your printings more vivid and brighter finish.

Three Layers Printing Innovation
Three layers (such as: CMYK + W + CMYK) printing intellectualized controlled by software, which can carry out synchronously double side printing on any transparent Substrata.

<table>
<thead>
<tr>
<th>Spot white under mode</th>
<th>Spot White three layer</th>
<th>Overcoat mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Red Acrylic Media</td>
<td>1-First CMYK layer was printed</td>
<td>1-CMYK Layer was mirrored for printing transparent media</td>
</tr>
<tr>
<td>2-The spot whit was printed under the body profile to create more details</td>
<td>2-Spot White was printed in the middle to active more saturation on body profile in dual printing</td>
<td>2-White color was printed to overcoat the whole image as a background</td>
</tr>
<tr>
<td>3-Final art</td>
<td>3-Final art shows more saturation on body profile</td>
<td>3-Final art when looking from the other side</td>
</tr>
</tbody>
</table>

The above machine technical indexes and content to the actual sales out of the machine as the standard, the technical indicators and color change without notice, the power of interpretation to the producers of all
# Flora F1 250UV Turbo PRINTER

## TECHNICAL SPECIFICATIONS

### Print

<table>
<thead>
<tr>
<th>Print head</th>
<th>5<del>15/4</del>8 Konica Minolta</th>
</tr>
</thead>
<tbody>
<tr>
<td>Print modes</td>
<td>512 Nozzle (15 heads)  1024 Nozzle (8 heads)</td>
</tr>
<tr>
<td>Standard quality</td>
<td>38 sqm/hr</td>
</tr>
<tr>
<td>High quality</td>
<td>29 sqm/hr</td>
</tr>
<tr>
<td>Ultra quality</td>
<td>22 sqm/hr</td>
</tr>
<tr>
<td>Print resolution</td>
<td>Up to 1440x1440 dpi</td>
</tr>
</tbody>
</table>

### Technology

Piezoelectric inkjet, UV-curable inks

### Ink types

UV-curable, pigment-based ink

### Ink cartridge colors

Cyan, Magenta, Yellow, Black, White (optional), Varnish (optional)

### Ink cartridge size

4 liter (Cyan, Magenta, Yellow, Black, White, Varnish)

### Rip software

Photoprint Flora Edition, Onyx (Optional)

### Color management

ICC based color, adjustment curves, density adjustment

### File formats

TIFF, JPEG, Postscript, EPS, PDF, etc.

### Handling

Vacuum table convey-belt movement rigid flexible printing capability material

### Rigid media support

Standard convey-belt table support rigid materials up to 254 cm width, 50 kg/sqm

### Roll-feed media support

Optional Roll-to-Roll upgrade kit supports flexible media up to 250 cm wide, with a roll dimension 30 cm, up to 100 kg in weight

### Thickness

Up to 48 mm

### Connectivity

Fast standard USB port

### UV energy source

Dual shuttered UV lamps, independent user selectable control of shutter aperture and two lamp power level

### Dimensions (l x w x h)

<table>
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<tr>
<th>Printer</th>
<th>448 x 270 x 146 cm</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping</td>
<td>500 x 110 x 176 cm</td>
</tr>
</tbody>
</table>

### Weight

1600 kg

### Operating conditions

Temperature: 20 to 30°C

Relative Humidity: 20% - 80%, non-condensing (with synthetic media 40% minimum recommended to avoid static electricity; with paper-based media 60% maximum recommended to avoid buckling)

### Power

Maximum: 7500 watts

Requirements: Input voltage: 200 to 240 VAC, signal-phase, 50/60 Hz, 32A max

### Warranty

One year limited warranty. (please consult your local dealer for accurate data)

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**FOR MORE INFORMATION, VISIT OUR WEBSITE AT**


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