Reaching a higher level, Innovative progression

Direct print on A3 (420 x 297mm) size with 150mm height

Six-color printing plus white and clear
Higher-definition and more beautiful gradation are achieved by six-color printing. White ink provides under/over-coating on transparent or colored materials and clear ink provides glossy/matte finish.

Easy automatic primer application
Primer can be applied by inserting a cartridge into a slot and setting print conditions. The automatic inkjet primer cartridge system applies a primer on only selected areas.

MCS (Mimaki Circulation System)
The newly developed white ink circulation system prevents pigment sedimentation. This system enables more efficient white ink consumption, thus reducing white ink waste.

Nozzle recovery function
This function immediately restores print quality without slowing down the print process thus reducing down time.

* Six color printing with LF-140 ink only

* Inkjet primer and LF-200 cannot be used together.

* The recoverability of this function is limited.
Introducing an innovative LED-UV inkjet printer that reaches a higher level

The UJF-3042HG enables printing on products up to 150mm height, which are not printable with the conventional model. A wide range of printing applications including plastics, metals, and wood, grows and boosts business opportunities.

Clear ink is not available for LF-140 inks. However LH-100 clear ink can be used in combination with LF-140 inks.

As ink flexibility of LF-200 ink and LF-140 ink vary according to the substrate, please verify your substrate in advance.

Ink type and color configuration must be chosen at time of installation

Six-color printing plus white and clear

Three UV ink types are offered in order to achieve the best print results on a variety of applications. Eight ink slots enable various ink configurations such as 6-color + White and Clear.

The UJF-3042HG has extreme versatility thanks to beautiful gradation with 6-color printing, under/over coating on transparent materials with white ink, and glossy/matte finishes using clear ink.

Smooth gradation in six color printing (CMYK+Lc/Lm) while reducing granular appearance. This ink is more flexible than LH-100, making it less likely to crack during post-processing.

Enables stretching of ink up to 200% during post-processing work. No cracking of printed image during post-processing.

Ecological & economical applications of white ink

MCT to regularly circulate white ink is standard equipment. It enables stable output from the time of machine startup by effectively avoiding the settling of white pigment in the ink lines. Additionally, MCT contributes to reduction of ink waste, thereby supporting environmentally and economically friendly applications.

Fail-safe features for continuous operation

Nozzle Recovery Function

Without the nozzle recovery function, when printing and nozzle clogging or failure occurs that could not be resolved by the nozzle cleaning function, printers have to wait stop until the Mimaki service team arrives. When it comes to this function, even if nozzle washing has no effect on a troubled nozzle, the print image quality can be retained immediately without slowing down the print process.

Automatic primer application function

Usually primers are applied separately in a manual application process, but the UJF-3042HG incorporates an automatic primer application feature. The new inkjet primer cartridges are simply inserted into the corresponding ink slot of the UJF-3042HG, enabling the primer to specifically target the print image area only.

Inkjet primer cannot be used in conjunction with LF-200 inks.

Examples of inkjet primer (PR-100) effectiveness

- PET
- Acrylic
- Glass
- Aluminum
- Brass
- Copper
- Epoxy
- Nylon

* Reference value. There is no guarantee as to the effectiveness, please verify your substrate in advance.

Inks and substrates:

- Please note that properties and adhesion, weather resistance etc. of ink and substrates can vary. Therefore please test materials beforehand.
- Some substrates require primer before printing. Please test materials beforehand or ask your sales representative.

Safety notice:

You are dealing with UV light sources that may harm your health. Please follow below guidelines strictly:

- Do not look directly into the UV light source nor place your hand, or expose your skin directly to the UV light source.
- Depending upon print mode, there might occur some VOC emission from printed parts, yet cured and hardened.
- In addition, please read the instructions and guidelines of the manual carefully and follow those.

![Image of print samples]

**Specifications**

<table>
<thead>
<tr>
<th>Item</th>
<th>UJF-3042HG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head</td>
<td>On-demand Printhead</td>
</tr>
<tr>
<td>Resolution</td>
<td>7200 dots/1,440 dots/2,880 dots</td>
</tr>
<tr>
<td>UV ink</td>
<td>LF-100 (CMYK/X/C)/LF-200 (CMYK/X/C)/LF-140 (CMYK/X/C/CL)/LH-100 (CMYK/X/C/CL)</td>
</tr>
<tr>
<td>Capacity</td>
<td>220 ml cartridge/600 ml ink pack</td>
</tr>
<tr>
<td>Max. print size</td>
<td>Width: 304 mm (11.8&quot;) / Length: 420 mm (16.5&quot;)</td>
</tr>
<tr>
<td>Media size</td>
<td>Max. size: Width: 364 mm (14.3&quot;) / Length: 483 mm (19.0&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 150 g (5.3&quot;)</td>
</tr>
<tr>
<td>Weight</td>
<td>Up to 250 g (9.0&quot;)</td>
</tr>
<tr>
<td>UV technology</td>
<td>UV-LED unit</td>
</tr>
<tr>
<td>Interface</td>
<td>USB 2.0</td>
</tr>
<tr>
<td>Power requirement</td>
<td>AC100-240 V ±10 % / below 0.4 kVA</td>
</tr>
<tr>
<td>Dimensions (W×D×H)</td>
<td>1,200 mm × 970 mm × 770 mm / 130 kg (47.2&quot;) × 30.7&quot;) × 70.6&quot;)</td>
</tr>
</tbody>
</table>

**Supplies**

<table>
<thead>
<tr>
<th>Item</th>
<th>Item No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dedicated UV ink</td>
<td>SPC-0597</td>
<td>CMYK/W</td>
</tr>
<tr>
<td>LF-100</td>
<td>SPC-0659</td>
<td>CMYK/X/C</td>
</tr>
<tr>
<td>LF-200</td>
<td>SPC-0660</td>
<td>CMYK/X/C</td>
</tr>
<tr>
<td>LF-140</td>
<td>SPC-0727</td>
<td>CMYK/X/C/CL/M</td>
</tr>
<tr>
<td>Inkjet Primer</td>
<td>SPC-0957</td>
<td>CMYK/W</td>
</tr>
<tr>
<td>PR-100</td>
<td>SPC-0911</td>
<td>CMYK/W/CL</td>
</tr>
<tr>
<td>Eco cartridge</td>
<td>SPC-0659</td>
<td>CMYK/X/C/CL/M</td>
</tr>
<tr>
<td>Eco cartridge</td>
<td>SPC-0660</td>
<td>CMYK/X/C/CL/M</td>
</tr>
<tr>
<td>Eco cartridge</td>
<td>SPC-0728</td>
<td>CMYK/X/C/CL/M</td>
</tr>
</tbody>
</table>

- 600 ml ink pack requires eco cartridge (SPT-0037). Eco cartridges can be used repeatedly by replacing ink packs.
- Injet primer cannot be used in conjunction with LF-200 inks.
- Clear ink is not available for LF-140 inks. However LF-100 clear ink can be used in combination with LF-140 inks.

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![Image of Mimaki products]

An innovative LED-UV inkjet printer