Sophisticated RIP software maximizes the performance of JFX 500-2131

User friendly RIP key features

• Easy to follow icons enable intuitive and user-friendly operation
• Related settings feature in one window to simplify RIP operations, with "Register as Favourite" option available for regularly used layouts
• Printing progress can be monitored on the main screen

Additional useful functions

1. Three layer ink in one pass print function

A three-layer print of colour, white and colour can be performed at one time. Printing three-layer layers (underlay) of white ink allows perfect reproduction of beautiful natural colours when printing on transparent media. Window graphics can be printed with high precision and no multi-pass colour registration shift.

2. Layout function

Three layers or copied images are finely laid out if print conditions remain the same. This function reduces the media waste by efficient layout.

3. Multi-profile, simultaneous printing function

Simultaneous print with different conditions can be simultaneously printed. This is particularly useful for test output when the profile for a target image quality or colour requires multiple 'profile' test prints.

* To be supported by RasterLink6 and program update.

Supports Web update function.

Supports the Web update function that has been well-received in RasterLinkPro5. Program update and profile download can be easily performed via internet.

Specifications

- On-demand fast mode with staggered configuration
- Print resolution: 4,100 X 4,462 X 1,490 mm (161.4 X 175.7 X 58.7")
- Ink: LUS-150 (C, M, Y, K, W)
- Media: Maximum print size (W X D): 2,100 X 3,100 mm (82.7 X 122.0")
- Weight: Less than 50 kg (110.2 lbs.) per m
- Vacuum area: Vertically divided into 4 zones
- Repeatability: ± 0.2 mm (0.01") or ± 0.1% from specified print distance
- Absolute accuracy: ± 0.3 mm (0.01") or ± 0.3% from specified print distance
- Vacuum system: Air suction by vacuum
- Ink degassing module: Equipped with MDM (Mimaki Degassing Module)
- Ink flow control unit: 1 liter ink bottle
- Interface: USB2.0
- Power consumption: Less than 2.4 kVA
- Emission: Class A
- Weight: 1,353 kg (2,982.8 lbs.)
- Dimensions (W X D X H): 4,100 X 4,462 X 1,490 mm (161.4 X 175.7 X 58.7")
- Specifications Supplies

<table>
<thead>
<tr>
<th>Item</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPA-0210</td>
<td>Ink bottle 2L BK</td>
<td>1 pc (empty bottle)</td>
</tr>
<tr>
<td>SPA-0209</td>
<td>Air filter kit 10 pcs</td>
<td>4 pcs</td>
</tr>
<tr>
<td>PR-100*</td>
<td>White inkjet primer</td>
<td>1 pc (empty bottle)</td>
</tr>
<tr>
<td>SPA-0208</td>
<td>Air filter kit 5 pcs</td>
<td>2 pcs</td>
</tr>
<tr>
<td>SPA-0202</td>
<td>Air filter kit 10 pcs</td>
<td>3 pcs</td>
</tr>
<tr>
<td>OPT-J0330</td>
<td>Option blower connection kit</td>
<td>For electrostatic removal</td>
</tr>
<tr>
<td>LUS15-BK-BA</td>
<td>Black ink</td>
<td>For electrical contact</td>
</tr>
<tr>
<td>LUS15-MA-BA</td>
<td>Magenta ink</td>
<td>For electrical contact</td>
</tr>
<tr>
<td>LUS15-YA-BA</td>
<td>Yellow ink</td>
<td>For electrical contact</td>
</tr>
<tr>
<td>LUS15-W-BA</td>
<td>White ink</td>
<td>For electrical contact</td>
</tr>
<tr>
<td>LUS15-CA-BA</td>
<td>Cyan ink</td>
<td>For electrical contact</td>
</tr>
<tr>
<td>LUS15-PA-BA</td>
<td>Purple ink</td>
<td>For electrical contact</td>
</tr>
<tr>
<td>LUS15-KA-BA</td>
<td>Black ink</td>
<td>For electrical contact</td>
</tr>
</tbody>
</table>

Inks and substrates:

• Three-layer print is good for outdoor applications, whether resistance, etc., of ink and substrates can vary. Therefore please check with Mimaki before purchasing.
• Some substrates require primer before printing. Please test material beforehand or ask your sales representative.

Safety notice:

• Make sure to use UV light sources that meet your needs.
• Read "Warranty and safety information" before using the UV light source.
• Keep this manual with the UV light source for future reference.
• Do not use inkjet printer for printing on the inkjet printer.

Options

- Additional power source is required for the vacuum unit.
- Back vacuum and required "Option blower connection kit OPT-J0330" is supplied with JFX500-2131.

About Mimaki Europe:

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Mimaki delivers...
Ultra-high speed, high precision flatbed UV LED printer

Setting new standards in Grand Format UV Flatbed printing... The new JFX 500-2131 establishes new performance benchmarks in the sector in terms of speed, flexibility and environmental sustainability. With speeds of up to 60 m²/h the new machine is 2.5 times faster than previous JFX printers from Mimaki and will revolutionise the world of sign and graphics and wide format display with the outstanding capability to print down to 2 point text with stunning clarity.

JFX 500-2131 delivers ...*2

- Amazing print speeds up to 60 m²/h with CMYK and 45 m²/h with white ink printing
- Maximum print size of 2.1 x 3.1 m
- Intelligent Microstepping System (IMS) for accurate prints, even 2 pt characters can be legibly printed
- Variable dot printing with a minimum size of 4 picolitre
- Mimaki Advance Pass System reduces bandings
- Mimaki Circulation Technology prevents pigment sedimentation of white ink
- Reliable nozzle recovery function
- Vacuum unit and high performance Rasterlink RIP software included as standard

Create ... Large format signage & graphics where the highest quality image definition is the main priority, including exhibition graphics, interior decor panels, creative displays and much more...

**KEY TECHNICAL FEATURES ...**

**Easy Maintenance**
- Mimaki Circulation Technology: prevents pigment sedimentation of white ink and provides stable inkjetting. Thus, it also contributes to reduction of ink waste, supporting environmentally friendly applications.
- Nozzle recovery function: even when nozzle wating has no effect on printed results, the print image quality can be recovered temporarily.

**Multiple ink options**
The newly formulated LUS-150 ink offers improved curing times resulting in a less tactile feeling and it is flexible up to 150%. The JFX500-2131 also operates with Mimaki’s LH-100 inks.

<table>
<thead>
<tr>
<th>Color</th>
<th>UV LED CURABLE</th>
<th>600x600 dpi, 3p, Uni</th>
<th>600x900 dpi, 24p, Bi/Hi</th>
<th>600x900 dpi, 12p, Bi/Hi</th>
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</thead>
<tbody>
<tr>
<td>LUS-150</td>
<td>UV LED CURABLE</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>LUS-100</td>
<td>UV LED CURABLE</td>
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</table>

**Print Speeds**

<table>
<thead>
<tr>
<th>Print Speeds</th>
<th>Print speed may vary depending on the substrate</th>
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<tbody>
<tr>
<td>10 m²/h</td>
<td>10.5 m²/h</td>
</tr>
<tr>
<td>20 m²/h</td>
<td>18.1 m²/h</td>
</tr>
<tr>
<td>30 m²/h</td>
<td>26.2 m²/h</td>
</tr>
</tbody>
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**Mimaki Advanced Pass Systems (MAPS)**
This facility applies a gradational mask pattern to the printing process ensuring that UV curing is performed more gradually, thereby reducing "banding" when using MAPS – print speed is reduced by approx. 10%

**Easy operations**

Layout pins eliminate alignment problems
The machine is equipped with pins and a scale to ensure accurate substrate alignment on the flatbed. By fixing the substrate to the pins, checking the placement against the scale and then editing the design data or printer setting accordingly, all alignment problems are eliminated.

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* Print speeds may vary depending on the substrate.
* White ink is printed at a slower speed due to the greater distance traveled by the print head.

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