Sophisticated RIP software maximizes the performance of UJF-6042

Additional useful functions

1. JIG & Template function
Regulations concerning smart technology through "JIG layout function" parameter in RasterLink 6, allowing the designed image to be placed inside the template layout procedure and accurately positioned for print setup and registration of image lines.

2. Imprinting function supports variable data input
Using MS Excel, the operator can import variable data, images and alphanumeric bars from spreadsheets or CSV files, to be included in the print. This facility even variable barcodes and QR codes to be printed on items.

3. Web update function
Program updates and profile download can be easily performed via the internet.

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.

Specifications

- 1,440 dpi
- 1,200 dpi
- 900 dpi
- 1,800 dpi

Ink

- LF-140 (C/M/Y/K/Lc/Lm/W)
- LH-100 (C/M/Y/K/W/Cl)
- 600 ml ink pack requires eco cartridge (OPT-J0237). Eco cartridges can be used repeatedly by replacing ink packs.

Supplies

- Clear ink is not available for LF-140 inks. However LH-100 clear ink can be used in conjunction with LF-140 inks.
- Inkjet primer cannot be used in conjunction with LF-200 inks.

Inks and substrates

- Please take both moisture and adhesion, weather resistance etc. of ink and substrates into consideration.
- Please test substrates and inks before printing. Please test substrates behind and ask your sales representative.

Mimaki deliver

Ultra high quality A2 flatbed LED UV printer

Building on the success of the UJF-3042 series, the new UJF-6042 now offers all the benefits of the smaller UJF-3042 in a larger A2 format version with even greater versatility and spectacular photo-quality print reproduction onto an almost limitless range of materials, objects and substrates. UJF-6042, with its larger print area opens up a whole new world of possibilities for the end-user in the higher volume production market, where even higher quality is demanded.

UJF-6042 delivers •••

- Outstanding print quality of up to 1800 x 1800 dpi
- A2 format flatbed to accommodate more varied materials
- Direct printing on substrates up to 150 mm thick
- Variable data and imprint capabilities
- Simultaneous printing of colour and white
- 8 ink slots for various ink configurations
- White ink and clear varnish
- Automatic primer application function

Create ... 3D lenticular items, photo albums, personal ID. cards & badges, promo gifts, display cards & signage, control panels, pens, stationery, key rings, gift boxes, USB sticks, phone cases, bottles & more...

Additional features ...

Special finishes provide added value to your prints

3D Lenticular* achieved by high definition print
The UJF-6042 can discharge maximum print data in 1800 x 1800 dpi, enabling lenticular printing by 3D lpi of 150 lpi which has previously been difficult for existing digital printers to achieve.

E-Touching process* creates unique textures on metals
Etching is a surface treatment which utilises the corrosive action of metal through chemicals. The area which should not be corroded is covered with a mask of UV ink. Then the substrate is immersed into the corrosion solution to be corroded. With this treatment, you can achieve high quality textures, and permanent engraving.

Innovative imprinting function supports variable data input
UJF-6042 is equipped to imprint variable data such as photographs, images, texts, bar codes, surrintings and QR codes by reading them from a CSV format database created by Microsoft Excel®, etc.

- * To be supported by FutureLink II program upgrade.

Key technical features •••

Ultra-high quality photo reproduction
The new high precision conveyance mechanism enhances the accuracy of the ink drop placement onto the substrates.

The UJF-6042 incorporates a unique ball screw type head conveyance mechanism normally found only in high-end machines. This improves the accuracy of the ink drop onto the substrates, which substantially prevents banding.

Furthermore, a high resolution print mode of 1800 x 1800 dpi has been added to achieve highly precise printing output.

Unique head control for beautifully smooth print gradations
Variable drop function provides 3 different drop sizes at once. The minimum size is amazing 4 picolitres and ensures a photographic type image offering smooth graduation patterns and brilliant transparencies of many colour layers even in the 4-colour mode.

3 types of UV inks
- LF-140 fast UV ink excels in scratch and chemical resistance as well as colour reproduction. (CMYK, W, Cl, Pr)
- LF-200 flexible UV ink excels in stretching of ink up to 200% during print processing work. (CMYK, Lc, Lm, W, Pr)
- LF-140 offers strong gradation in 6-colour printing and is more flexible than LF-193. (CMYK, Lc, Lm, W, Pr) * 1

- *1 In LF-140 only for certain cures.
- You can use a combination with LF-193 clear ink.

Other useful functions
- Eco-cartridges Choosing the eco-cartridge method can help to deliver a reduction in both waste and cost of ink. Eco-cartridges can be repeatedly used by changing spent ink packs.
- Nozzle Recovery Function This function temporarily narrows the nozzle opening which allows print quality, reducing potential downtime if maintenance issues should arise.
- Mimaki Circulation Technology (MCT) This is newly developed water circulation system that prevents pigment sedimentation and reduces ink waste.

Automatic primer application functionality
Incorporating an automatic primer feature, the new inkjet primer cartridges are simply inserted into the corresponding ink slot of UJF-6042, enabling the primer to specifically target the print area only.

- A primer can be applied to specify areas only, thus eliminating the surface feeling of the media.
- When printing primer and white or clear inks, production speed is reduced by approximately 50%.
- A primer can be applied in selective areas only, thus retaining the surface feeling of the media.