

Software RIP combining usability and high performance

# Raster Link 6

\*"Raster Link Pro 5" is bundled with UJF-6042 as well.

## Intuitive and user-friendly operation



1 User friendly and intuitive functions of the menu driven software make it easy to navigate.



2 ICON driven menus will guide the user to see the actual layout and window display for each function as selected and have the ability to save the settings for future use or reference capability.

The advanced Raster Link 6 software RIP is capable of producing high quality color images. With special functions focused on volume production all based on simple and a friendly user interface. The ICON based selectable operation menus and easy scroll & click functions of job functionality and operation make Raster Link 6 the ideal combination with the UJF-6042.

### Point 1 JIG & Template Function

Registration of the template is achieved through a "JIG layout function" parameter in Raster Link 6. The designed image can be positioned inside the template layout procedure and positioned for print setup and registration of image file.



1 Register the jig layout



2 Position the image design data

### Point 2 Supports Web update function

WEB supported profile/update function, like found in Raster Link Pro 5, allows the user to update profiles, versions, and other specific program updates via the internet.

## Specifications

| Item                       |                      | UJF-6042                                                                           |
|----------------------------|----------------------|------------------------------------------------------------------------------------|
| Head                       |                      | On-demand Piezo head                                                               |
| Print resolution           | Y axis               | 720 dpi, 1,440 dpi, 1800 dpi                                                       |
|                            | X axis               | 600 dpi, 900 dpi, 1,200 dpi, 1,800 dpi                                             |
| Ink                        | Type                 | UV curable ink : LH-100 (C/M/Y/K/W/CI)                                             |
|                            |                      | UV curable ink : LF-140 (C/M/Y/K/Lc/Lm/W)                                          |
|                            | Supply system        | 220 ml cartridge / 600 ml ink pack                                                 |
|                            | Ink circulation      | White ink circulation by MCT (Mimaki Circulation Technology)                       |
| Maximum print size (W × D) |                      | 610 × 420 mm (24.0" × 16.5")                                                       |
| Media                      | Size (W × D)         | 610 × 420 mm (24.0" × 16.5")                                                       |
|                            | Height               | Less than 150 mm (5.9")                                                            |
|                            | Weight               | Less than 7 kg (15.4 lbs) / When using a height adjuster, less than 4 kg (8.8 lbs) |
| Media suction              |                      | Air suction by vacuum                                                              |
| Print accuracy             | Absolute accuracy    | ± 0.3 mm (0.01") or ± 0.3 % from specified print distance                          |
|                            | Repeatability        | ± 0.2 mm (0.01") or ± 0.1 % from specified print distance                          |
| UV unit                    |                      | Equipped with UV LED (Light Emitting Diodes)                                       |
|                            | Lifetime*            | About 10,000 hours                                                                 |
| Interface                  |                      | USB2.0                                                                             |
| Applicable standard        |                      | VCCI class A, FCC Class A, CE Marking, RoHS Directive, REACH Regulation            |
| Power specifications       |                      | AC100 V ~ AC240 V (Automated voltage conversion), 50 / 60 Hz                       |
| Power consumption          |                      | Less than 450 VA                                                                   |
| Operational environment    | Temperature          | 20 °C ~ 35 °C (68 °F ~ 95 °F)                                                      |
|                            | Humidity             | 35 ~ 65 % Rh                                                                       |
|                            | Temperature accuracy | 20 °C ~ 25 °C (68 °F ~ 77 °F)                                                      |
|                            | Temperature gradient | Less than ± 10 °C/h (± 18 °F/h)                                                    |
|                            | Dust                 | Equivalent to normal office level                                                  |
| Dimensions (W × D × H)     |                      | 1,510 × 966 × 960 mm (59.4 × 38.0 × 37.8")                                         |
| Weight                     |                      | 150 kg (330.7 lbs)                                                                 |

\* Reference value. There is no guarantee as to the lifetime.

## Supplies

| Item                    | Item          | 220 ml cartridge | 600 ml ink pack |
|-------------------------|---------------|------------------|-----------------|
|                         |               | Item No.         | Item No.        |
| LH-100                  | Cyan          | SPC-0659-C       | SPC-0597-C      |
|                         | Magenta       | SPC-0659-M       | SPC-0597-M      |
|                         | Yellow        | SPC-0659-Y       | SPC-0597-Y      |
|                         | Black         | SPC-0659-K       | SPC-0597-K      |
|                         | Light cyan    | SPC-0659-LC      | SPC-0597-LC     |
|                         | Light magenta | SPC-0659-LM      | SPC-0597-LM     |
|                         | White         | SPC-0659-W       | SPC-0597-W      |
|                         | Clear         | SPC-0659-CL      | SPC-0597-CL     |
|                         | Cyan          | SPC-0727-C       | SPC-0728-C      |
|                         | Magenta       | SPC-0727-M       | SPC-0728-M      |
| LF-140                  | Yellow        | SPC-0727-Y       | SPC-0728-Y      |
|                         | Black         | SPC-0727-K       | SPC-0728-K      |
|                         | Light cyan    | SPC-0727-LC      | SPC-0728-LC     |
|                         | Light magenta | SPC-0727-LM      | SPC-0728-LM     |
|                         | White         | SPC-0727-W       | SPC-0728-W      |
| PR-100                  | IJ Primer     | SPC-0731         | SPC-0732        |
| PR-200                  |               | PR-200-22        | PR-200-60       |
| Eco-cartridge (8 cases) |               |                  | OPT-J0237       |

① 600 ml ink pack requires eco cartridge (OPT-J0237). Eco cartridges can be used repeatedly by replacing ink packs. ② Clear ink is not available for LF-140 inks, However LH-100 clear ink can be used in combination with LF-140 inks.

### Inks and substrates:

\*As physical properties of ink (adhesion, weather resistance etc.) are different depending on media, please be sure to have a print test in advance.

\*Depending on the application, primers, other surface treatment or surface protection such as lamination may be necessary.

### Safety notice:

This product is equipped with UV irradiation equipment.

Please pay attention to the following notes in order to use safely.

\*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, some VOC emittance from printed parts not yet cured and hardened may occur.

\*In addition, please be sure to read and follow the instructions and guidelines of the manual carefully.

## Relative Product

Tabletop size  
UV LED Curing Flatbed Inkjet Printer

### UJF-3042FX

UV PRINTER

LED-UV

Max Print Size  
300 mm × 420 mm

Height  
50 mm

2 types of UV inks  
LH-100 LF-140

Bundled item

High performance software RIP  
RasterLink Pro 5 IP

●Some of the samples in this catalog are artificial renderings. ●Specifications, design and dimensions stated in this catalog may be subject to change without notice (for technical improvements, etc). ●The corporate names and merchandise names written on this catalog are the trademark or registered trademark of the respective corporations. ●Inkjet printers print using extremely fine dots, so colors may very slightly vary after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences. ●The specifications described in this catalog are as of August 2022.

**Mimaki** MIMAKI ENGINEERING CO., LTD.  
2182-3 Shigeno-Otsu, Tomi-city, Nagano 389-0512, Japan  
TEL: +81-268-64-2281  
**mimaki.com**

## Mimaki Global Network

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DB20275-08

# Create Almost Anything



**A2 size**  
(610 mm × 420 mm)

LED-UV

MAX  
**1,800 × 1,800** dpi

UV LED Curing Flatbed Inkjet Printer

**UJF-6042**  
UV PRINTER



**NEW!**

**Supports A2 size & 150 mm height  
to provide higher image quality than ever before**

A variety of different materials from plastics, glass, and metals can now be printed onto many applications.

Using a unique ball screw type conveyance mechanism to produce higher resolution prints. The 1,800 X 1,800 dpi, variable dot technology, with minimum drop size of 4 pl, achieves impressive high quality images.

The UJF-6042, allows you to print on promotional products, awards and gift merchandise along with industrial components and accessories.

# Create Almost Anything

## MAX 1,800 × 1,800 dpi

Print quality is greatly increased by a new accurate linear mechanical bed positioning technology offering higher resolution printing. High resolution printing is achieved on many substrates such as plastics, metals, wood, leather and glass. Increased dot placement and accuracy of print raise the overall image quality capabilities to meet the demanding standards of industry.



## 01 Higher image quality than ever before

### Ball/Screw drive linear actuator technology allows for dot placement and image quality with precision accuracy

Adopted a **unique ball screw type** head conveyance mechanism that had been equipped only in high-end machines. It improved the accuracy of the ink drop onto the substrate. This precise ink dot placement can prevent bandings substantially. Furthermore, a high resolution print mode of **1,800 x 1,800 dpi** has been added to achieve highly precise printing output.

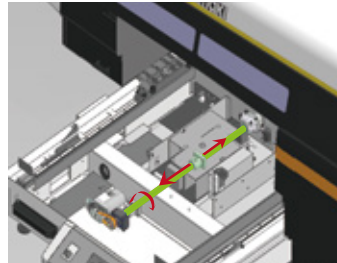


Image of ball screw

### Smooth and beautiful gradation achieved by Mimaki's unique head control technique

Variable drops function provides 3 different drop sizes at once. The minimum size is **amazingly 4 pico-litter** and ensures a photographic type image offering smooth gradation patterns and brilliant transitions of many color layers even in the 4-color mode.

**4 pl variable drops make difference.**  
**Excellent gradation and hypochromic effect**

Variable drops

Normal drops

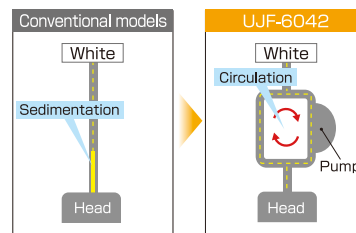
Minimum 4 pl

## 02 The heritage of state-of-the-art functions

### Ecological & economical applications of white ink

MCT (Mimaki Circulation Technology) was developed and designed to circulate the white ink formulations to improve stability and dispersions of the pigments in the fluid reservoir and ink path. Advantages of less white ink maintenance down time and avoids clogging issues while in the bulk ink receptacle and overall jetting of the white UV LED inks.

\* MCT works only with white ink.



### Automatic primer application function

Usually primers are applied separately in a manual application process, but the UJF-6042 incorporates an automatic primer application function. The new inkjet primer cartridges are simply inserted into the corresponding ink slot, enabling the primer to specifically target the print image area only.

Inkjet primer + Process colors =

The primer can be applied in selective areas only, thus retaining the surface feeling of the media.

### Nozzle recovery function

Even if nozzle washing has no effect on a troubled nozzle, the print image quality can be retained immediately. During this nozzle downtime, this nozzle recovery function enables printer to produce high quality prints continuously without slowing down the printing process.



\* The recoverability of this function is limited.

## 03 Multiple UV ink type options to fulfill your requirements

Three types of UV ink are available to achieve the best print results on a wide range of applications. In addition, eight ink slots enable various ink configurations, such as 6 colors plus white and clear. Furthermore by printing different layers of ink and/or gloss, your images will not only look more enticing but also will have a raised / embossed quality that will satisfy your customers.



Multi-layered print

| Product  | LH-100                                                                                | LF-140                                                                                   |
|----------|---------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| Color    | C M Y K Lc W Cl Pr                                                                    | C M Y K Lc Lm W Cl Pr                                                                    |
| Type     | Rigid UV ink                                                                          | Flexible UV ink                                                                          |
| Features | Excels in scratch and chemical resistance. Hard UV ink with fine color repeatability. | 6 color inks including light color inks, express smooth gradation, and show flexibility. |

\* Ink type and color configuration must be chosen at the time of installation.

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

\* Ink flexibility of LF-140 ink may vary according to the substrate; please verify your substrate in advance.

## 04 Highly refined environmentally friendly functions

UV LED offers reduced energy consumption, longer lifetime and almost no VOC\* emissions during printing. You can choose the eco-cartridge method which contributes to waste reduction and reduced ink cost. Eco-cartridges can be repeatedly used by changing spent ink packs.

\* VOC = Volatile Organic Compounds



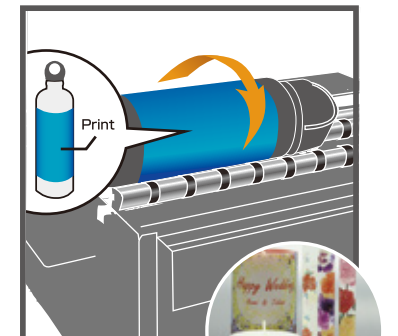
## KEBAB boosts your creativity

Attachable unit for printing on cylindrical objects

# KEBAB

## 360-degree printing on cylindrical objects

Beautiful seamless 360 degree circumference printing. Mount KEBAB on the UJF-6042 place the object on the rollers, and start printing with the dedicated software.



### Broaden a range of printing applications

☐ Bottles ☐ Tumbler ☐ Glass ☐ Candle

Dedicated software for KEBAB

## Raster Link 6

Simple print job management with RasterLink6

3D lenticular



Nameplate (Full-color)



Nameplate (Etching)



Card



Membrane switch



Photo album



Wedding board



Gift & novelty

