

Pictograms



Wedding welcome boards



Glass awards



Personalized stationery



ID cards



Membrane switch

Enables printing on cylindrical objects!

Optional items

Kebab MkII

Kebab MkII L

Kebab MkII

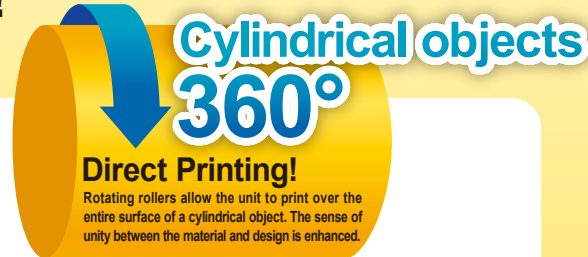


Kebab MkII L



Specifications

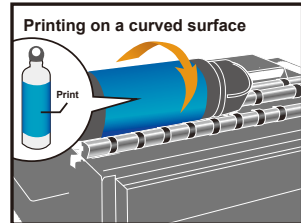
| Item | | Kebab MK II | Kebab MK II L |
|----------------------------------|---------------------------------|---|--|
| Item code | | OPT-J0432 | OPT-J0433 |
| Compatible printer model | | UJF-3042MkII e UJF-3042MkII Ex e UJF-3042MkII / UJF-3042MkII Ex | UJF-6042MkII e / UJF-6042MkII UJF-7151 plusII / UJF-7151 plus |
| Rotary degree of print material | | ±360 degrees or more (no limitation) | |
| Rotation system | | Rollers | |
| Applicable objects | | Cylindrical objects (uneven surface must not affect rotation) | |
| Applicable roundness | | 0.5mm or less to protect the printer body *Accuracy is not guaranteed. | |
| Printable size | | Length: 30mm-300mm Diameter: 10mm-110mm | Length: 30mm-600mm Diameter: 10mm-110mm |
| Printable area | Feeding direction (X) | Entire circumference of an object | |
| | Print head moving direction (Y) | 300mm or less | 600mm or less |
| Maximum weight of print material | | Small diameter: 1.5 kg or less Large diameter: 2 kg or less | Small diameter: 1.5 kg or less Large diameter: 2 kg or less |
| Interface | | Exclusive connector | |
| Weight | | Approx. 3 kg | Approx. 6 kg |
| External dimensions | | 366mm(W)×301mm(D)×50mm(H) | 674mm(W)×301mm(D)×50mm(H) |



Direct Printing!

Rotating rollers allow the unit to print over the entire surface of a cylindrical object. The sense of unity between the material and design is enhanced.

Beautiful seamless 360-degree surface printing with simple steps



Mount the Kebab MkII unit on your printer and set an object on the rollers. Use the dedicated software to start 360-degree printing automatically. The unit can be easily mounted by simply fixing it with screws and inserting the connector.

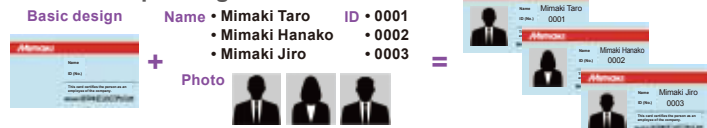


Combination of upgraded usability and functionality

Raster Link 7

- Improves the reproducibility of special effects (such as transparency) of PDF data
- Increases RIP processing speed of PDF data by 25% on average
- Prints out the variable data by Variable print function
- JigLink function enables jig management by bar code

Variable printing function



Specifications

| Item | | UJF-3042MkII e UJF-3042MkII EX e | UJF-6042MkII e |
|---------------------------------|---------------------------------|--|---|
| Print head | | On-demand piezo head | |
| Printing resolution | | 1200 × 1200 dpi maximum | |
| Maximum printable area | | width: 300mm depth: 420mm (A3) | width: 610mm depth: 420mm (A2) |
| Ink | Type/color ⁽¹⁾ | LH-100 (C, M, Y, K, W, Cl) LUS-120 (C, M, Y, K, W, Cl) LUS-150 (C, M, Y, K, W) PR-200 (primer) | LH-100 (C, M, Y, K, Lc, Lm, W, Cl) LUS-120 (C, M, Y, K, Lc, Lm, W, Cl) LUS-150 (C, M, Y, K, W) PR-200 (primer) |
| | Capacity | 250 ml/1L (supplied in bottles) | |
| Media | Thickness | 153mm (6 in) or less | |
| | Weight | 5 kg (11 lb) or less | 8 kg (18 lb) or less |
| Interface | | USB2.0/Ethernet | |
| Certifications | | VCCI-Class A, FCC-Class A, IEC62368-1, ETL CE Mark (EMC Directive, Low Voltage Directive, Machinery Directive) CB Report, RoHS, REACH, ENERGY STAR, EAC, RCM | |
| Power supply | | Single phase AC100-240V, ±10%, 50/60Hz ±1Hz | |
| Power consumption | | 1000W or less | |
| Operation environment | Temperature | 20°C to 30°C (68°F to 86°F) | |
| | Humidity | 35 to 65% RH (No condensation) | |
| | Guaranteed accuracy temperature | 20°C to 25°C (68°F to 77°F) | |
| | Temperature gradient | ±10°C / h or less (±50°F / h or less) | |
| RIP Software | Dust level | Equivalent to a general office floor level | |
| | | RasterLink7 (provided as standard software) | |
| External dimensions (W × D × H) | | 1,355 × 1,290 × 856 mm 53 × 51 × 34 in | 1,665 × 1,290 × 856 mm 66 × 51 × 34 in |
| Weight | | 135 kg / 298 lb | 150 kg / 331 lb |

* (1): The available type/color of ink of UJF-3042MkII Ex e : Same with UJF-6042MkII e.
* (2): Heights of ink bottles are not included.

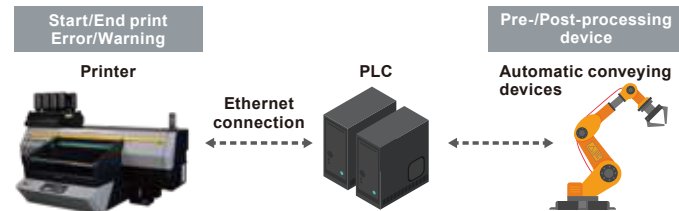
Options

| Item | Item code | Remark |
|-----------------|-----------|--|
| IONIZER UNIT 30 | OPT-J0414 | Static eliminator for UJF-3042MkII e / UJF-3042MkII Ex e |
| IONIZER UNIT 60 | OPT-J0415 | Static eliminator for UJF-6042MkII e |

Automation of printing processes

- Adaptable to “Mimaki Device Language (MDL)” to realize automation of printing processes

Using MDL commands allows you to automate printer control, job management, and workpiece conveying device operation from an external device



*When using MDL commands, refer to the separate MDL commands manual included in the SDK.
*Please note that machine failures due to MDL commands may not be covered by our warranty.

Supplies

| | Item | Item code | Remark |
|---|---------------|-------------|--------------|
| LH-100 GREENGUARD Gold certified ink | Cyan | LH100-C-BA | 1L bottle |
| | Magenta | LH100-M-BA | |
| | Yellow | LH100-Y-BA | |
| | Black | LH100-K-BA | |
| | Light Cyan | LH100-LC-BA | |
| | Light Magenta | LH100-LM-BA | |
| | White | LH100-W-BA | |
| | Clear | LH100-CL-BA | |
| LUS-120 GREENGUARD Gold certified ink | Cyan | LUS12-C-BA | 1L bottle |
| | Magenta | LUS12-M-BA | |
| | Yellow | LUS12-Y-BA | |
| | Black | LUS12-K-BA | |
| | Light Cyan | LUS12-LC-BA | |
| | Light Magenta | LUS12-LM-BA | |
| | White | LUS12-W-BA | |
| | Clear | LUS12-CL-BA | |
| LUS-150 GREENGUARD Gold certified ink | Cyan | LUS15-C-BA | 1L bottle |
| | Magenta | LUS15-M-BA | |
| | Yellow | LUS15-Y-BA | |
| | Black | LUS15-K-BA | |
| | White | LUS15-W-BA | |
| IJ Primer PR-200 | | PR200-Z-BA | 1L bottle |
| | | PR200-Z-B2 | 250ml bottle |
| Flushing liquid 07 | | ML007-Z-BA | 1L bottle |

LH-100, LUS-120, and LUS-150 are also available in 250ml bottles.

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 emission 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.

●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 June 2022.

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| | | | |
|-----------|--|-----------|----------------------------------|
| USA | MIMAKI USA, INC. | Europe | MIMAKI EUROPE B.V. |
| Brazil | MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA | Indonesia | PT. MIMAKI INDONESIA |
| India | MIMAKI INDIA PRIVATE LIMITED | Australia | MIMAKI AUSTRALIA PTY. LTD. |
| Taiwan | MIMAKI ENGINEERING (TAIWAN) CO.,LTD. | China | SHANGHAI MIMAKI TRADING CO.,LTD. |
| Singapore | MIMAKI SINGAPORE PTE. LTD. | Thailand | MIMAKI (THAILAND) CO.,LTD. |

For
INDUSTRIAL
PRODUCTS

Flatbed UV Inkjet Printer

Mimaki

UJF-3042 MkII e

UJF-6042 MkII e

UJF-3042 MkII EX e

Creating Unlimited Originality



Mimaki
Green Technology



Creating Unlimited Originality



UJF-3042MkII e
UJF-3042MkII EX e



UJF-6042MkII e

Up to 153mm media thickness!

Reliable productivity with industry-leading printing speed

The industry-leading printing speed achieves a throughput of 38 A4 prints per hour for the UJF-3042MkII e and 52 for the UJF-6042MkII e.

UJF-3042MkII e

1. Process color printing

| Print mode | Resolution | Pass | Printing speed (m ² /h) | Printing time per table |
|--------------|------------|------|------------------------------------|-------------------------|
| Draft | 600×600 | 8 | 2.48 | 3min. 03sec. |
| High-speed | 600×900 | 12 | 1.62 | 4min. 40sec. |
| Standard | 600×1200 | 16 | 1.22 | 6min. 12sec. |
| High quality | 1200×1200 | 16 | 0.89 | 8min. 27sec. |

2. Color + Spot color simultaneous printing

| Print mode | Resolution | Pass | Printing speed (m ² /h) | Printing time per table |
|--------------|------------|------|------------------------------------|-------------------------|
| Draft | 600×600 | 8 | 2.08 | 3min. 38sec. |
| High-speed | 600×900 | 12 | 1.44 | 5min. 14sec. |
| Standard | 600×1200 | 16 | 1.12 | 6min. 46sec. |
| High quality | 1200×1200 | 16 | 0.69 | 10min. 55sec. |

3. Color + White simultaneous printing in high-density mode

| Print mode | Resolution | Pass | Printing speed (m ² /h) | Printing time per table |
|--------------|------------|------|------------------------------------|-------------------------|
| Draft | 600×600 | 8 | 1.88 | 4min. 01sec. |
| High-speed | 600×900 | 12 | 1.33 | 5min. 40sec. |
| Standard | 600×1200 | 16 | 1.03 | 7min. 21sec. |
| High quality | 1200×1200 | 16 | 0.62 | 12min. 14sec. |

<A4 size prints per hour>

Draft mode (600 × 600dpi 8P)
(For process color printing)*

*The time taken for setting the material, the printer's operating time after printing, etc. are not included.

Head layout enables two-layer simultaneous printing

The staggered printhead arrangement allows two-layer simultaneous printing with both process and spot colors to maintain high productivity.*

The UJF-6042MkII e and UJF-3042MkII EX e can be equipped with light color (Lc/Lm) inks, enabling CMYK + LcLm + Spot colors (W+V, W+Cl, W+Pr, or Pr+Cl) color sets.

By adding light colors, smoother gradations and natural skin tones can be expressed to produce lively prints.

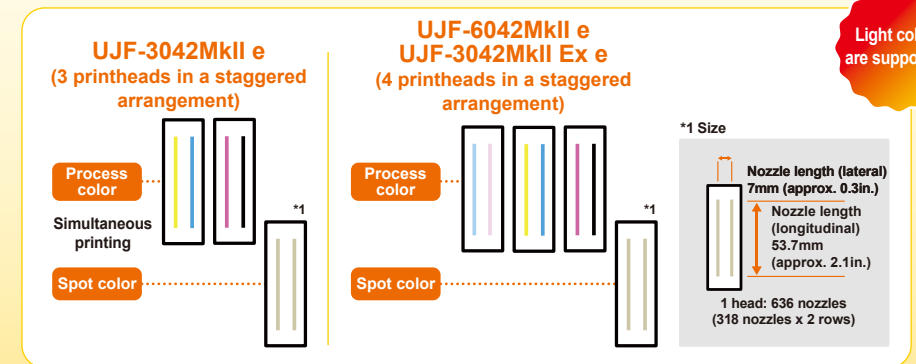
*Some ink sets may not allow simultaneous printing. All heads must be loaded with ink.

The UJF-3042MkII e can print

38 sheets per hour.

The UJF-6042MkII e can print

52 sheets per hour.



Light colors are supported!

*Print image

Mimaki's image quality control technology ensures more beautiful prints

High image quality achieved with the MFD2 (Mimaki Fine Diffusion2) technology

The image processing function RasterLink7 carries out hybrid image processing combining the commonly-used "pattern dither method" and "error diffusion processing." Before printing, the RIP software processes the image data using MFD2, which suppresses noise and color unevenness and realizes beautiful prints. (Japan Patent No. 5230816)



When MFD2 is selected using RasterLink7

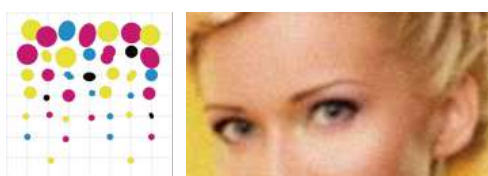


When MFD2 is not selected

Waveform control

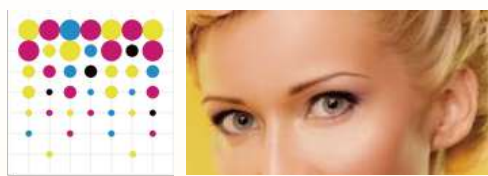
Thanks to Mimaki's unique advanced ink droplet ejection control, droplets with high circularity are ejected to make them accurately land on the media, enabling sharp expression of characters, lines, and edges.

<Droplets ejected with low circularity>



Gaps and overlaps occur between the dots, resulting in coarse image quality

<Droplets ejected with high circularity>

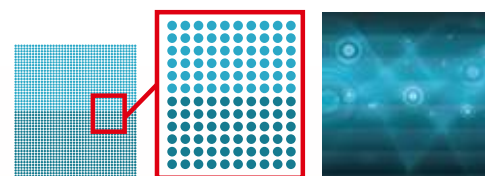


Sharp finish with less graininess

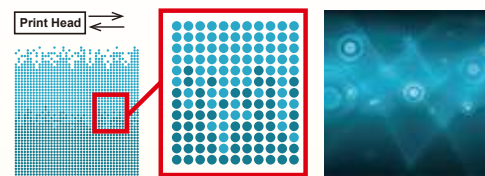
MAPS4 (Mimaki Advanced Pass System 4)

Banding (horizontal stripes) and uneven color can be reduced to realize smooth prints by printing pass boundaries fading in gradation. Based on printing conditions such as media/link type and resolution, the most suitable gradation pattern is automatically selected and printed.

<Without MAPS4>



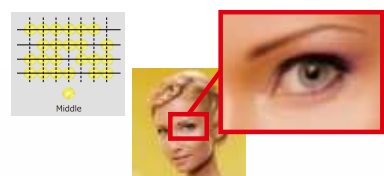
<With MAPS4>



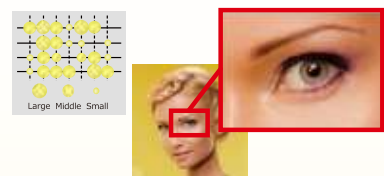
Variable dots

Three different droplet sizes including a minimum of 5pl, are used for high-quality prints with reduced graininess.

<Fixed dots>



<Variable dots>

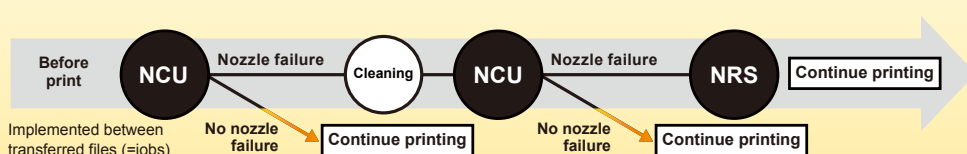


Reliable functions for stable operation

NCU (Nozzle Check Unit)

The sensor automatically detects the nozzle condition. When the NCU detects a missing nozzle, it automatically performs cleaning to solve the problem.

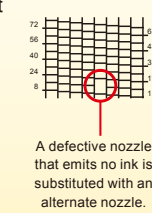
NCU is an option for the UJF-3042MkII e.



NRS (Nozzle Recovery System)

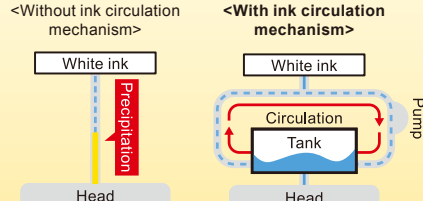
If there is a nozzle problem that cannot be solved by cleaning, it automatically replaces the defective nozzle with an alternate one for each nozzle, which enables continuous printing without lowering printing speed.

NRS is automatically set based on the NCU data. NRS may be unusable in some print modes.



MCT (Mimaki Circulation Technology)

An ink circulation mechanism is provided in the ink tank and ink path. It circulates white ink periodically to prevent nozzle trouble due to deposited ink pigments and to stabilize printing performance.



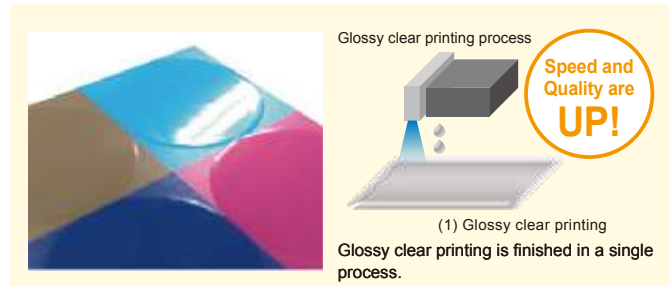
High-performance inks expand the range of applications

Rigid UV ink "LH-100" with excellent color rendering and reproducibility

The rigid UV ink "LH-100" provides excellent color rendering and reproducibility. With its high scratch resistance, it can be widely used for goods such as smartphone cases and key chains, and for printing original designs on parts and gadgets.



Precision control of clear ink that offers valuable new printing effects



"Mimaki Clear Control (MCC)" has been newly added to produce high-quality clear prints. MCC minimizes the ink curing time by performing clear ink printing and UV-light irradiation simultaneously, and provides a gorgeous glossy clear finish that reduces dust adhesion and air bubbles.

Surface hardening Gloss, Matte, and Embossed prints and 129 types of textured prints using clear ink for enhanced design

Clear ink for a Glossy finish, a Matte finish for a subdued matte effect, or Embossed printing, which prints partial areas multiple times for a glossy, three-dimensional effect, can be used to create high value-added prints, creating distinctive textures and a sense of luxury. In addition, the "ARTISTA UV Texture Library" is available to provide 129 types of textures. Texture printing with clear ink can realize more elaborate designs. The ARTISTA UV Texture Library will be registered on your computer when RasterLink7 is installed.



Machine layout

Ink circulation in the ink tank and channel (white only)

Emergency switch*



Color LCD
A highly visible display allows you to see the machine status instantly.



Ink bottles
The White ink bottle is now located in the front for easier daily maintenance (stirring).

Indicator light*
The machine's status can be checked easily even from a distance.

USB, Ethernet

Vacuum table*

Full cover

*These options are for the UJF-3042MkII e.