## Ink Types
[ELS-170 / 4C]
[ELH-100 / Cl+W]

C M Y K Cl W

UJV300DTF-75 use ELS-170 and ELH-100 ink, the next generation of Mimaki UV inks. The combination of ELH-100, a hard ink, and ELS-170, a flexible ink, has achieved industry-leading properties in both strength and flexibility among UV-DTF printers used in multiple applications.

## Towards a More Environmentally Friendly Business Model

**Mimaki Green Technology**

Mimaki's UV inks (ELS-170 and ELH-100) are GREENGUARD Gold certified, having passed the world's most stringent standards for chemical emissions. This certification ensures their suitability for use in sensitive environments such as schools and healthcare facilities, making them an ideal choice for environmentally responsible printing.

**GREENGUARD**
PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS
UL.COM/GG
UL 2818
GOLD

## Mimaki Cloud Technology PICT

PICT allows users to monitor printer operation and ink usage remotely.
It supports better planning by providing real-time data on operational status and performance.
PICT helps with scheduled maintenance and preparing for ink refills, ensuring smooth and efficient production.

☑ Production control
☑ Preparing to refill ink
☑ Planning maintenance time etc...

Cloud

## Software to support operations from design creation to output
(included as standard)

**Supporting the beauty of prints and operability**

Genuine RIP Software — **Raster Link 7**

**Easier Design Creation**

Design software — **Simple Create**

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# MIMAKI
UV-DTF Printer **UJV300DTF-75**

## UV-DTF: Create
# High Value-Add
## Printing Business

UJV300DTF-75

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### ■Specifications

| Item | | UJV300DTF-75 |
|---|---|---|
| Print head | | On-demand piezo head |
| Print resolution | | 300dpi、600dpi、900dpi、1,200dpi |
| Ink | Type | LED-UV ink |
| | | ELS-170 + ELH-100 |
| | Color | ELS-170(C,M,Y,K) ELH-100(W,CL) |
| | Capacity | 1L (Bottle supply) |
| Ink circulation system | | Available only for white ink |
| Max. print width | | 640mm(25.2in) |
| Max. media width | | 650mm(25.6in) |
| Media roll outer diameter | | 250mm(9.8in) or less |
| Media roll weight | | 45kg(99.2lb) or less |
| Safety standard | | VCCI Class A / FCC Class A / ETL IEC 62368-1 / CE Marking(EMC, Low Voltage, Machinery Directive, RoHS)/ CB Report / REACH / ENERGY STAR / RCM / KC |
| Interface | | USB2.0 / Ethernet1000 BASE-T |
| Power supply | | Single phase AC100～120/200～240V±10%,50/60Hz±1Hz |
| Power consumption | | AC100V : 1.44kW / AC200V : 1.92kW or less |
| Operational environment | Temperature | 20-30degC / 68-86 degF |
| | Humidity | 35-65% Rh(No condensing) |
| Dimensions(W×D×H) | | 2,090×930×1,475mm(82.3×36.6×58.1in) |
| Weight | | 180kg(396.8lb) |

### ■Ink

| Item | Color | Item code | Remarks |
|---|---|---|---|
| ELS-170 | Cyan | ELS170-C-BA | 1L bottle |
| | Magenta | ELS170-M-BA | |
| | Yellow | ELS170-Y-BA | |
| | Black | ELS170-K-BA | |
| ELH-100 | White | ELH100-W-BA | 1L bottle |
| | Clear | ELH100-CL-BA | |

### ■Option

| Item | Item code |
|---|---|
| Ionizer | OPT-J0465 |

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⚠ **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.

## MIMAKI
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TEL:+81-268-64-2281

### Mimaki Global Network

| | | | |
|---|---|---|---|
| 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. |
| Vietnam | MIMAKI VIETNAM CO., LTD. | | |

DB10389-02

# UV-DTF,
# opens the new market

UV-DTF (UV Direct-to-Film) is a technology that allows UV printing on a special glued film and transferring it as is like a sticker.

Designs can be easily applied to uneven materials and items with special shapes, which have been difficult with conventional printing methods.

Since only the design printed on the film is transferred to the object, UV-DTF eliminates the need for weeding (removal of margins) manually as with sticker sheets, which also improves production efficiency.

This is Mimaki's new proposal to customers who want to print but have been unable to do so, and to open up a new market.

**Flatbed**

**Sticker**

**KEBAB**＊

**UV-DTF**
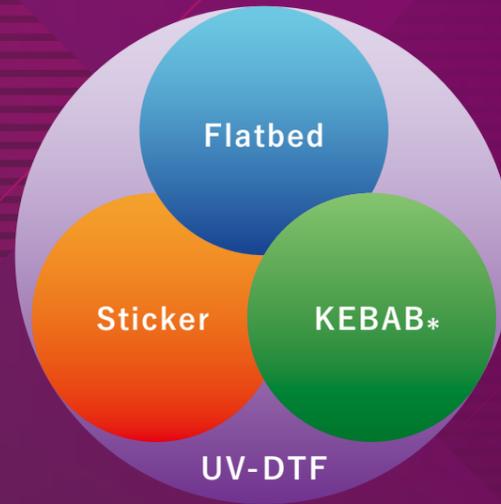
*Mimaki's product : 360° print system for cylindrical materials such as bottles and tumblers

Gaps that are unable to print on UV flatbed printers.

Cylinders of shapes that are unable to print on KEBAB.

Designs that leave original texture of objects, which was difficult with the sticker print.

Ceramic, PP and other materials that are difficult to print on with UV ink.

Capable of printing on undulations and hollows that flatbed printers are unable to print on.

Capable of printing small text, designs,and other detailed expressions without margins.

Stickers are limited in their use to designs with margins.

## HOW TO UV-DTF
### WORKFLOW

**STEP 1**

Designs are printed on special glued film, then application sheet is pasted on the film autimatically.

**STEP 2**

Cut out the printed film and paste it on the item you want to paste.

**STEP 3**

Peel off the application sheet. Once removed, the transfer is completed and finished.

Print White - Color - Clear as the order. Clear ink improves scratch resistance and makes application sheet removal easier.

## Mimaki's unique safe and stable film feeding system | New specialized pinch roller supports stable film feeding

Unique design pinch roller for the UV-DTF film realizes stable film feeding. This feeding technology supports handling of glued film surface.

### Nozzle Recovery

**NCU**          **NRS**

Print head

Ink emission is determined to be defective in case of light permeation

Re-mapping the defective nozzles with working ones
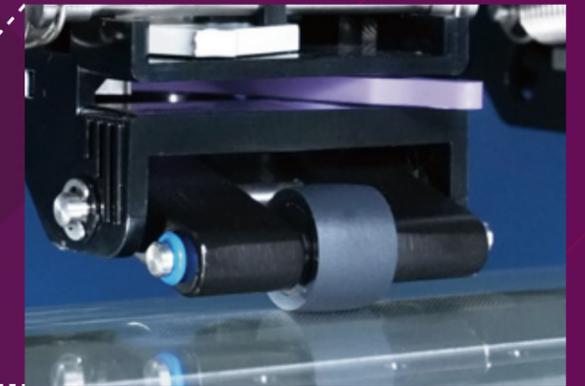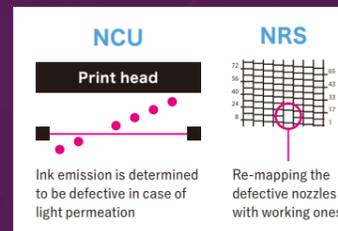
Mimaki's unique NCU (Nozzle Check Unit) and NRS (Nozzle Recovery System) allow printing to continue by remapping the defective nozzles with working nozzle when unrecoverble by nozzle cleaning.
Printing speed remains the same when using the nozzle recovery system, facilitating business operations.

### Media jam sensor

Equipped with a media jam sensor, the risk of print head failure is reduced even in situations where jams occur.
This greatly reduces the risk of failure due to media jams on glue surfaces in the unlikely event of a media jam.

*All of Mimaki's*
*Technology in One Place*

**UV-DTF Printer**
**UJV300DTF-75**

### Easy media set

Application sheet
（B film）

Lever

Press Roller

Application sheets are set by simply pressing the lever.

### Rear Take-Up System

Feed glue layer

Glued film
（A film）

Liner film collection

Automatically takes-up the UV-DTF film liner paper at the back of the machine. The liner paper is rolled precisely at the printer's feeding speed, ensuring stable printing.