

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



UVJ300DTF-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'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.



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.



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**

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(WxDxH) | 2,090x930x1,475mm(82.3x36.6x58.1in) |
| 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 | |
| ELH-100 | Black | ELS170-K-BA | 1L bottle |
| | White | ELH100-W-BA | |
| | Clear | ELH100-CL-BA | |

Option

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

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.

Some examples shown in this catalog are artificial renderings. Specifications, designs and dimensions shown in this catalog may be subject to change without notice for technical improvements. The corporate and merchandise names in this catalog are the trademarks or registered trademarks of the respective corporations. Inkjet printers use extremely fine dots, so colors may vary slightly after replacement of print heads. Also note that when using multiple printer units, colors could vary slightly from one unit to another due to slight individual differences. Please note that descriptions and data in this catalog are as of April 2025.

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Mimaki Global Network

| | | | |
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Mimaki

UV-DTF Printer **UJV300DTF-75**

UV-DTF:
Create

**High Value-Add
Printing Business**



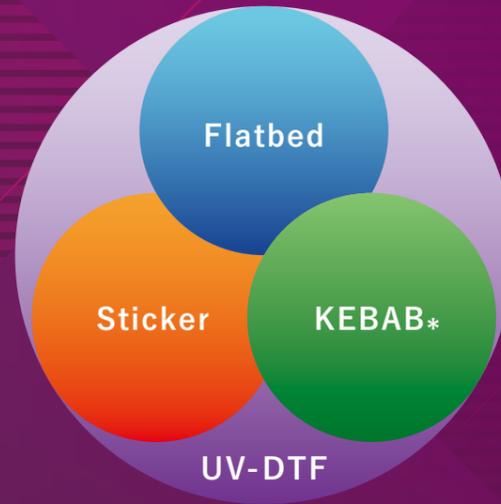
UV-DTF, opens the new market

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.



*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 automatically.

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

STEP 2



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

STEP 3

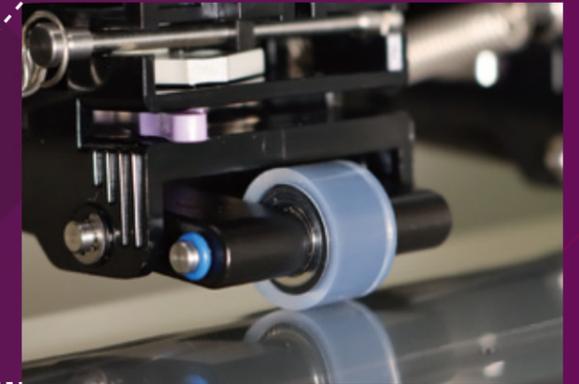


Peel off the application sheet. Once removed, the transfer is completed and finished.

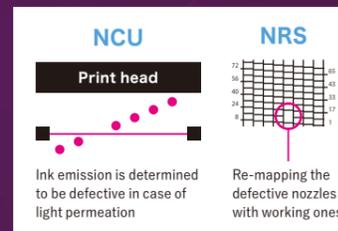
Mimaki's unique safe and stable film feeding system

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



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 unrecoverable 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 sheets are set by simply pressing the lever.



Rear Take-Up System



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.