

3.2-M WIDE UV INKJET PRINTER

WILL VASTLY EXPAND YOUR BUSINESS OPPORTUNITIES



White ink

White ink delivers added-value to the print

White ink enhances the overall quality of graphic design

On transparent media, a white base layer print enhances the color vibrancy of an upper color layer.

In addition, when an image file is printed only in white, the appearance of the printing is very stylish.

This printing method broadens the application of white ink printing.



Beautiful backlit signage whether day or night

The UVJ55-320 provides beautiful backlit signage at all times of the day and night.

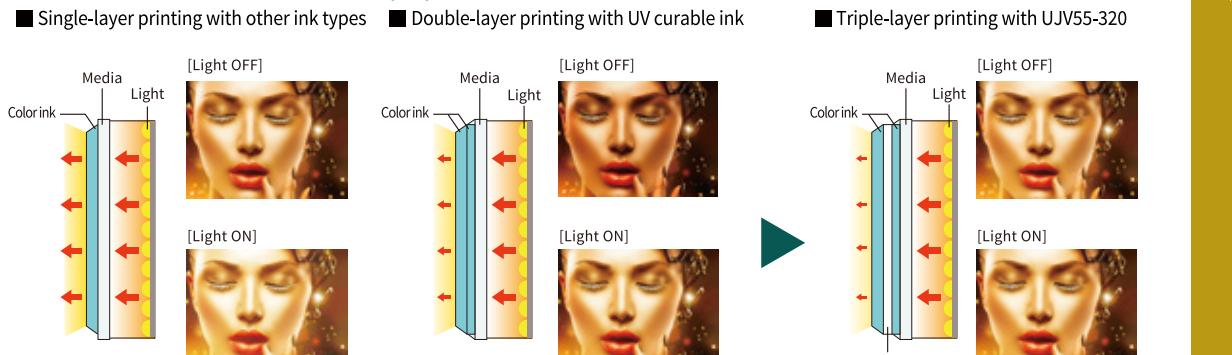
The printed color of backlit signage may look different when illuminated because the degree of light transmittance is changed.

UV-curable color and white inks form a thick film on the media and deliver high opacity. The UV-curable ink printing maintains the same color appearance for the backlit signage whether the lights are on or not.

Front and Cross-section Views of Backlit Signage

■ Single-layer printing with other ink types

■ Double-layer printing with UV curable ink



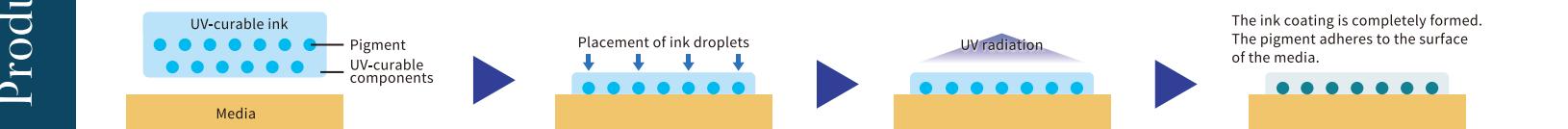
Single-layer printing looks faded when the illumination is on because too much light is transmitted.

Double-layer printing looks dark when the illumination is off because both the layers are color prints.

Beautiful, bright print colors are maintained whether the illumination is on or off.

UV-curable ink dries instantaneously, drastically shortening printing time

UV-curable inks are instantaneously cured by UV irradiation; thus, no drying time is needed. Print media is ready for the next production step immediately after printing. The UV-curable ink shortens production time and enables short delivery times to be met.



Twin-roll printing doubles productivity, shortens delivery times

Taking full advantage of the 3,200-mm printing width, two media rolls can be mounted for simultaneous printing.

Different print jobs (or the same print job) can be printed on two separate rolls. The user can select the preferred width separately for each roll. The UVJ55-320 shortens delivery time and reduces the workload.

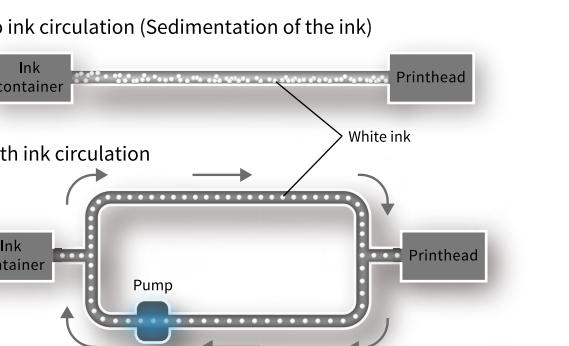


Productivity

Eco-friendly Mimaki Circulation Technology means stable printing and reduced waste

Mimaki Circulation Technology (MCT), a standard feature, effectively avoids the settling of pigments in the ink line by regularly circulating the white ink. This prevents print troubles and enables stable printing from the start of operation. In addition, MCT contributes to the reduction of ink waste, thereby supporting environmentally and economically friendly print operation.

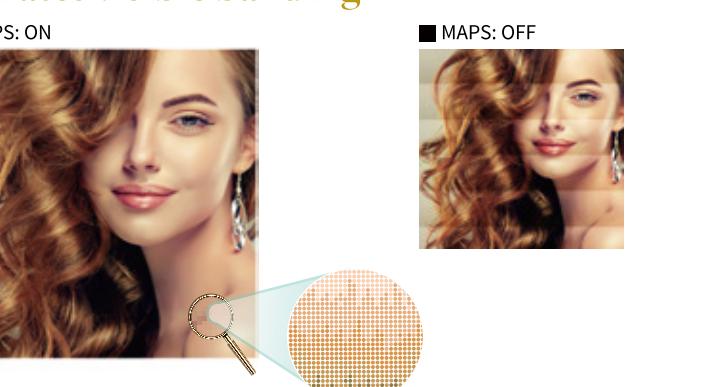
* MCT is effective only for the white ink.



Upgraded Mimaki Advanced Pass System eliminates visible banding

Mimaki's unique Mimaki Advanced Pass System (MAPS) 3 anti-banding system has been improved to MAPS4.

Unwanted visible banding on the swath boundaries is reduced by overprinting between swaths with a reduced number of ink droplets.



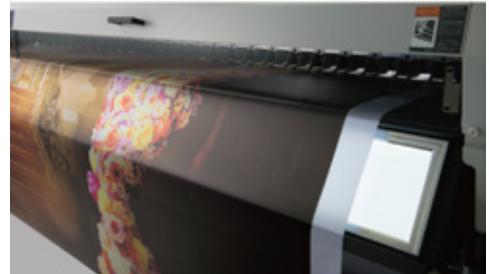
Imaging technique

Variable dot printing delivers even smooth gradation

The variable-dot print function reduces the granular appearance and delivers smooth and beautiful gradation printing by using three different droplet sizes as best suited for each printing mode.

Built-in LED light for checking print quality prevents errors and saves time

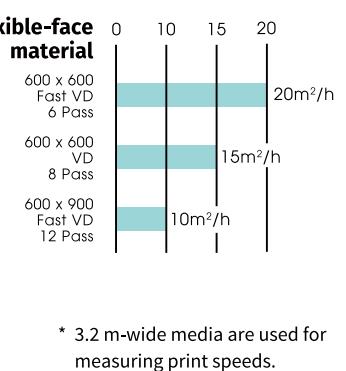
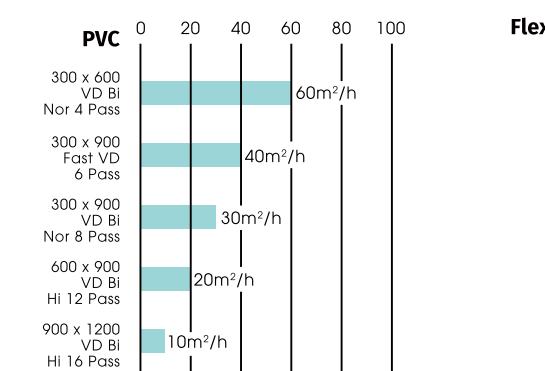
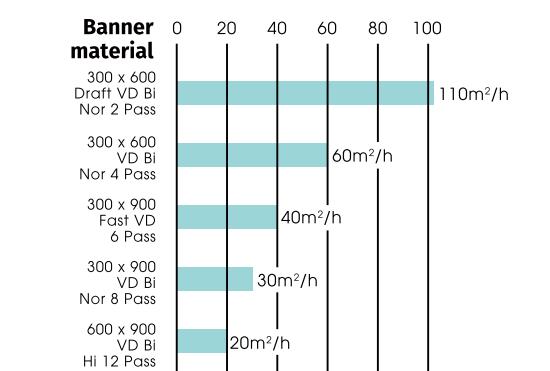
The built-in LED light is extremely useful for checking the print appearance on backlit signage before taking up the print. This capability minimizes waste media because the operator can stop printing immediately when misprints or other problems are found. Furthermore, productivity is also increased by printing and performing a print quality check simultaneously.



High-speed printing

The UVJ55-320 achieves a printing speed of 60 m²/h in high-speed mode on banner material. In order to deliver excellent print results and productivity, we provide optimal profiles that meet various media types and print resolutions.

4 ink color setting C M Y K

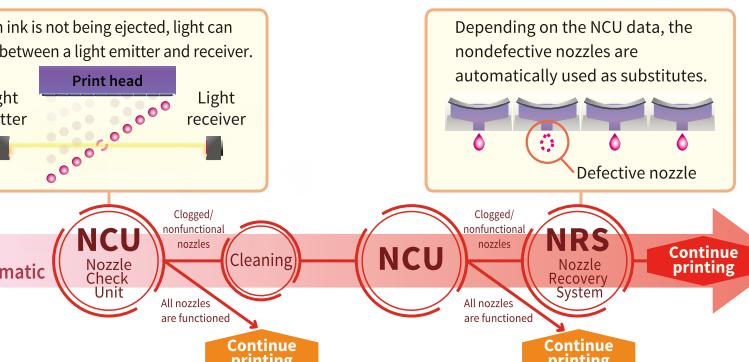


* 3.2-m-wide media are used for measuring print speeds.

Innovative functions support continuous print operation

The Nozzle Check Unit (NCU) detects nonfunctioning nozzles and automatically cleans them. If the nozzles fail to operate after cleaning, defective nozzles are replaced by non-defective ones until a technician arrives, and printing is continued.

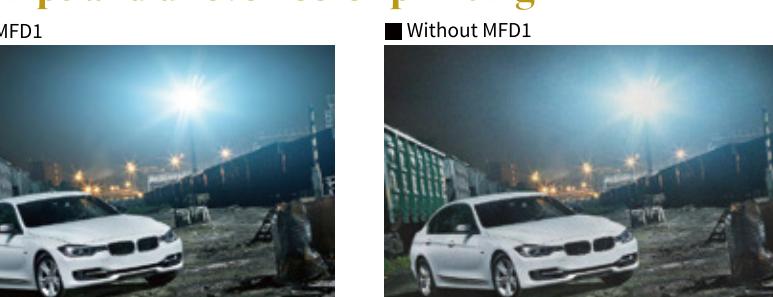
This feature enables uninterrupted print operations and continuous productivity.



Mimaki Fine Diffusion 1 reduces tone jumps and uneven color printing

Mimaki Fine Diffusion 1 (MFD1) has been added to the bundled RL6 Plus RIP software.

MFD1 reduces the noise that is generated in image data during image processing and enables the production of better print results without tone jumps or uneven colors.



Superior inkjet technology for clearer, sharper printing

Mimaki's superior inkjet technology accurately places ink droplets without losing their perfect circularity. This ensures that texts, lines, and edges are clearly and sharply printed.

