

PRODUCT GUIDE

Mimaki



UCJV330-160

HIGH QUALITY, WIDE FORMAT UV-LED PRINT & CUT ROLL TO ROLL PRINTER

25-Sep-2023

V1.0EU

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CONCEPT

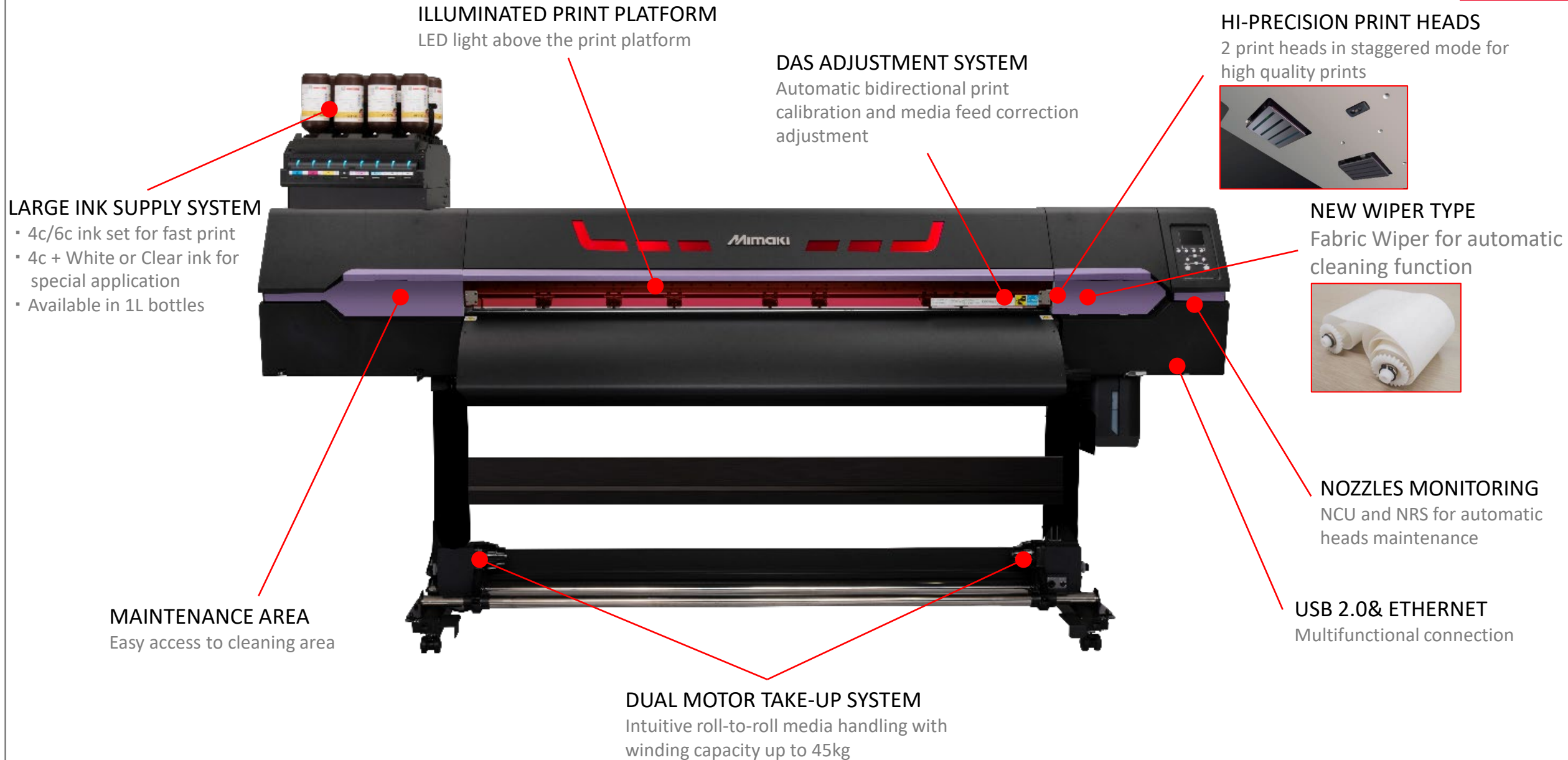
- The 330 series is **designed from the ground up** as successor model to the 300 series.
- The **brand new UCJV330** implements many new features and innovations based on **Mimaki's proprietary UV printing technology** and feedback from customers and resellers in the field.
- Thanks to **unprecedented UV printing technology**, the UCJV330 offers **superior print quality** and **higher productivity** compared to previous models.
- It offers improved work efficiency due to the **quick-drying** properties unique to UV and versatility on a **variety of media**.
- The UCJV330 can further improve design quality with Mimaki's unique technology, including 2.5D printing by clear ink and multi-layer printing with up to five layers.
- The UCJV330 is an **environmentally friendly printer**.
- It does not require the use of a heater for ink drying, thus **reducing electrical energy**, and the inks used in the printer are **environmentally friendly**.
- Easy operation to **reduce running costs** and **easily manage the printer**.
- Mimaki's unique features also enable **efficient print & cut**.



FEATURES AT GLANCE

- **ADVANCED HIGH-PHOTOGRAPHIC IMAGING AND HIGH-PRODUCTIVITY**
 - New generation of High-Precision **Print Heads** in stagger mode: **Min. 4pl** dot size and **Max. 1800dpi** resolution
 - Newly developed UV-LED ink ejection technology delivers high image quality
 - New Variable Dot technology: *Mimaki Weaving Dot Technology **MWDT***
 - Available size: **1,6m**
 - **Max. Speed** 4 colour (1 layer): up to **55sqm/h**; 4 colour +SP / 6 colour +SP: **23sqm/h**
 - **LUS170/175, LUS-200 and LUS-190/210** ink in 1L ink bottle
 - **Up to 7C** incl. Light Cyan, Light Magenta, White and Clear
- **GREAT VARIETY OF APPLICATIONS**
 - **New** Watermark Printing
 - Multi layer printing from 1 layer to 5 layer
 - 2.5D printing by 2.5D Texture Maker
- **PRINT MORE WITH LESS MAINTENANCE**
 - **New** function of RasterLink7: **Ink Saving Function**
 - **New** printer management software: *Mimaki cloud technology **PICT***
 - **Remote Access** Control App
 - **Fabric Wiper** for automatic cleaning function
 - Media Take-up System with **dual motors**
 - Renewed Mimaki ink Circulation Technology (**MCT v2.0**)
 - **V-Shape** media cut for **precise and easy wrap** at take-up
 - DAS for automatic bi-directional print adjustment
 - NCU and NRS for stable and uninterrupted operation
- **OPTIONAL ITEMS**
 - **XY Slitter** for trimming and X/Y cutting
 - **Roll Change System** supplies of up to 3 rolls
 - Various other options available: Electrostatic Sheet, Proofing Light, Ionizer, Deodorizing Unit, Heater Options and End Face Guide

UCJV330-160/130: PRODUCT SPECIFICATION

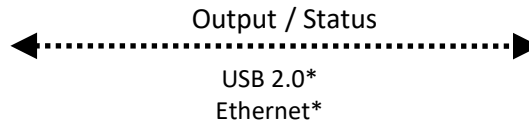


SYSTEM CONFIGURATION



Standard configuration

UCJV330-160

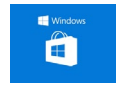


Minimum recommended PC configuration

- CPU: Core i5 2.8GHz
- Memory: 8GB
- HDD: 500GB
- I/F : USB2.0, 4 ports or more
- ODD: DVD-ROM
- Network: 1000BASE-T
- Compatible OS : Windows 10 (64bit)
- Monitor: 1366x768



Mimaki Remote Access App



Works with: PS, EPS, TIFF, BMP, JPEG, etc.

* USB 2.0 and Ethernet cannot be used simultaneously.

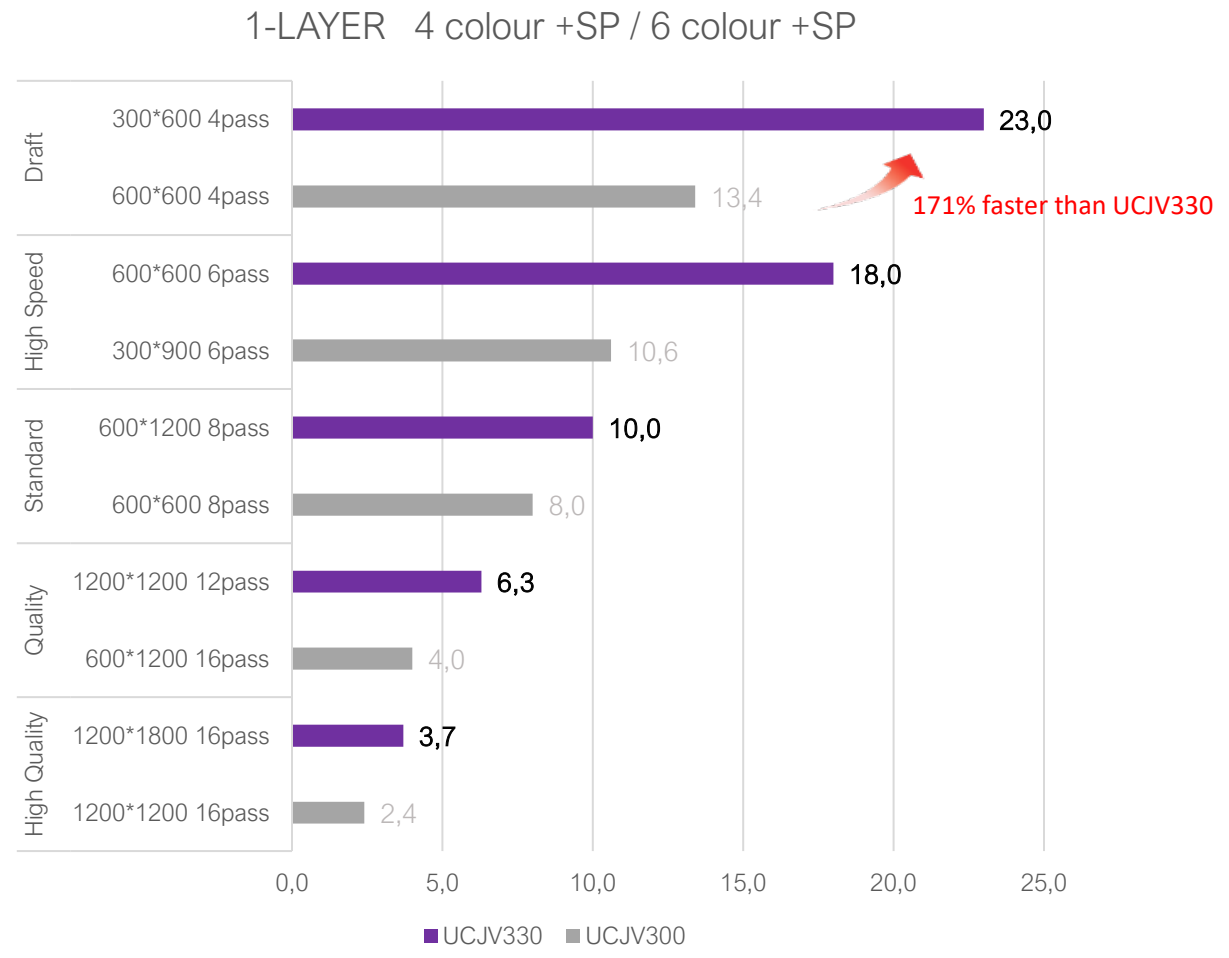
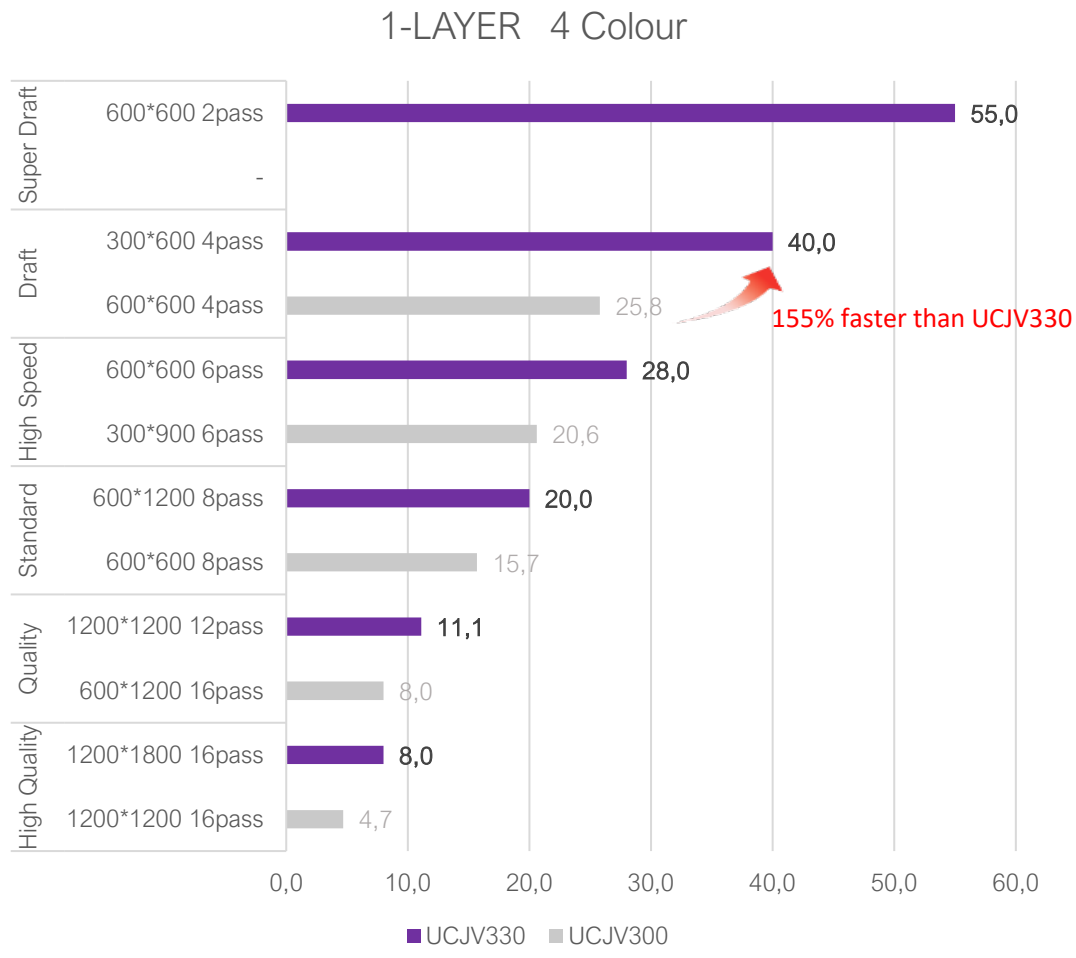
INK CONFIGURATION

- INK TYPE: LUS-170/175, LUS-200 AND UV-LED INKS
- COLOUR SETS:
 - 4C (CMYK) for productivity
 - 5-C (CMYK+W), 6-C (CMYK+CIW) for various applications
 - 7-C (CMYKLcLm+W) for reliable, photographic-quality outputs

Machine	Colours	Ink type	Supply	Ink set							
UCJV330-160	4C	LUS-170/175	1000ml bottle	M	C	Y	K	K	Y	C	M
	4C+CL+W			M	C	Y	K	CL	CL	W	W
	6C + W			M	C	Y	K	Lc	Lm	W	W
	4C	LUS-200		M	C	Y	K	K	Y	C	M
	4C+W			M	C	Y	K	W	W		
	4C	LUS-190/210		M	C	Y	K	K	Y	C	M
	4C+CI+W			M	C	Y	K	CL	CL	W	W

- INK SUPPLY:
 - UV ink: 1000ml bottle

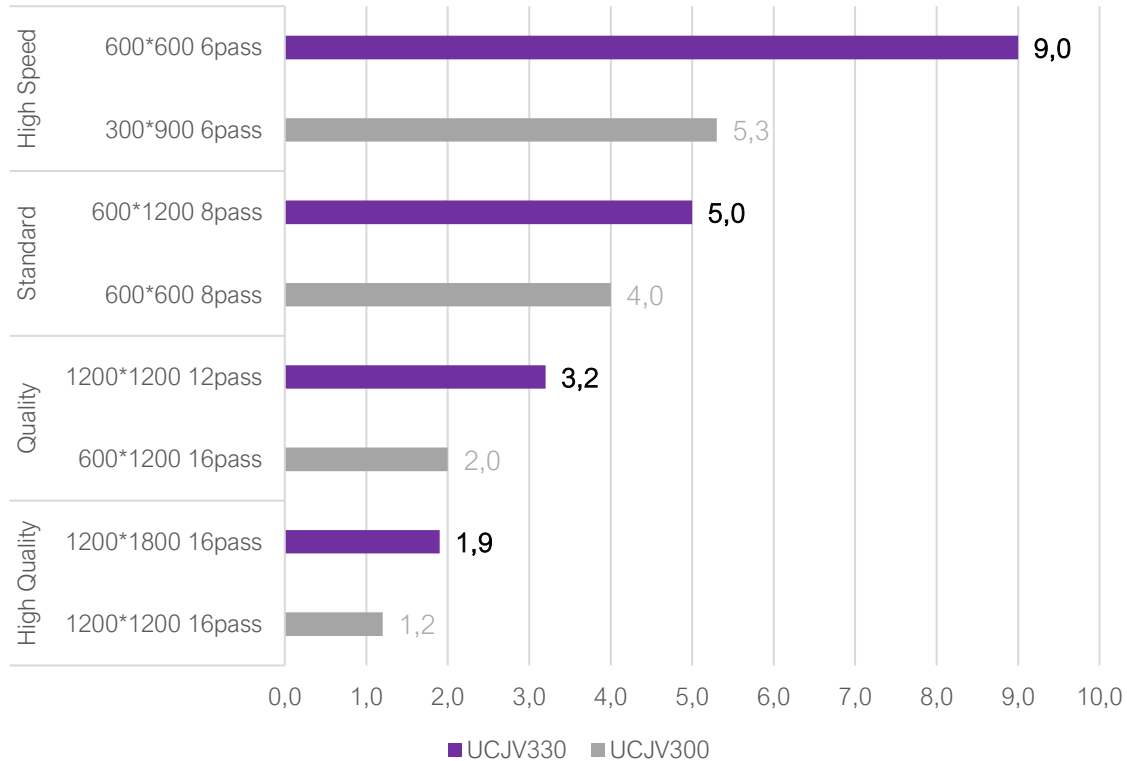
PRINT SPEED: UCJV330-160 1-LAYER PRINTING



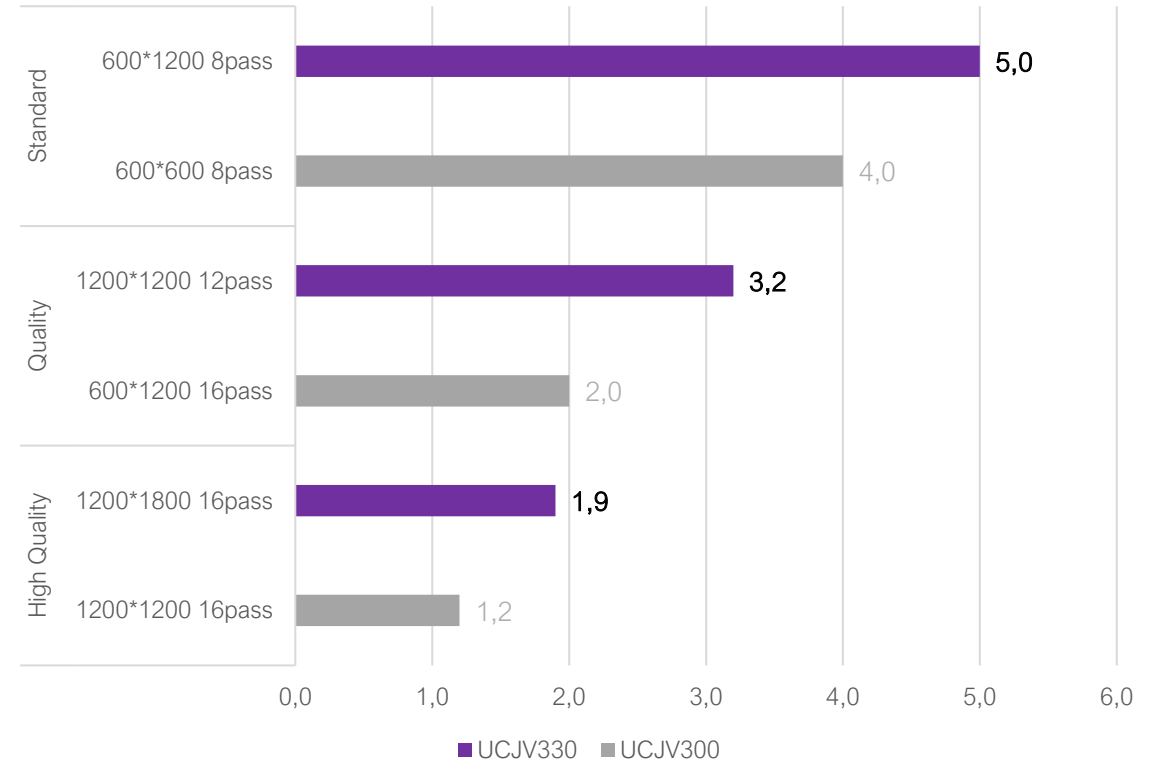
The print modes shown in this document are the performance of the printer itself.
 The profiles are created selectively depending on the media type. When the profile is not available, use MPM-3 to create the profile for the media.

PRINT SPEED: UCJV330-160 MULTI LAYER PRINTING

2-LAYER 4 colour +White / 6 colour +White



5-LAYER 4 colour +White / 6 colour +White



The print modes shown in this document are the performance of the printer itself.

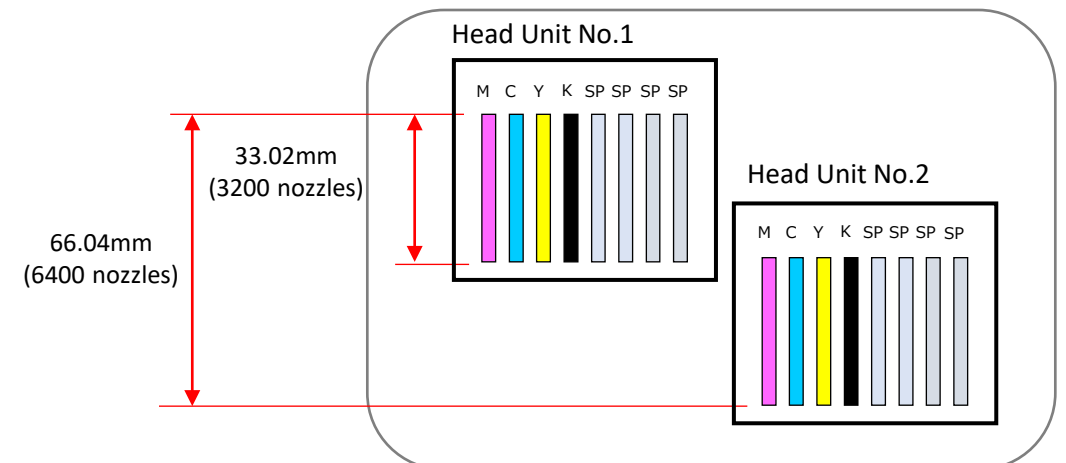
The profiles are created selectively depending on the media type. When the profile is not available, use MPM-3 to create the profile for the media.

HIGH-PERFORMANCE PHOTOGRAPHIC IMAGING

NEW GENERATION OF HIGH-PRECISION PRINT HEADS

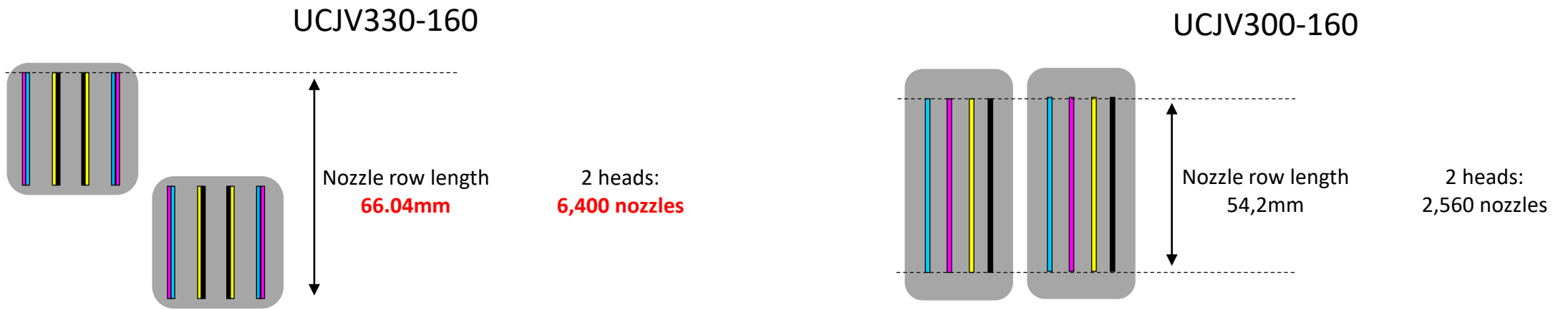
- Two print heads in staggered mode have increased the output speed by 155% over previous models, meeting the demands of even the busiest productions
- Capable of print resolutions up to 1,200 x 1,800dpi
- Enhanced Variable Droplet Technology as small as 4pl
- Newly developed UV-LED ink ejection technology delivers high image quality with less irregularities even in high-speed printing
- *Mimaki Weaving Dot Technology* (MWDT) delivers smooth gradation by controlling the ejection of ink drops and enabling high-speed printing without banding

Amount of Heads	2
Nozzle Configuration	3200 nozzles per head
Print Resolution	Up to 1800dpi
Droplet Size	Starting from 4pl

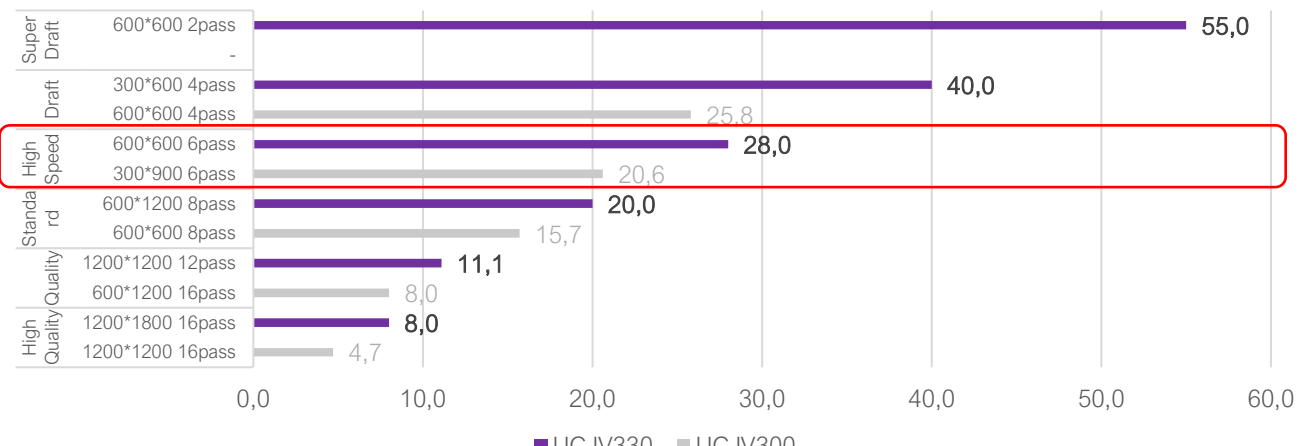


HIGH PRECISION PRINT HEADS - INCREASED NOZZLE ROW LENGTH

- Increased nozzle row length and number of nozzles results in larger print passes and better image quality even at faster print speeds
- Up to 140% speed gain is achieved in the most popular speed range maintaining the same print quality



1-LAYER 4 Colour Print Set

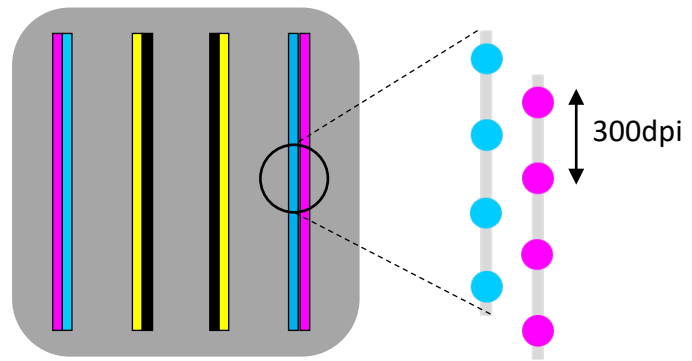


140% UP

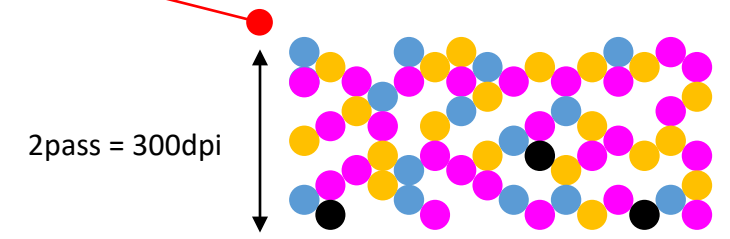
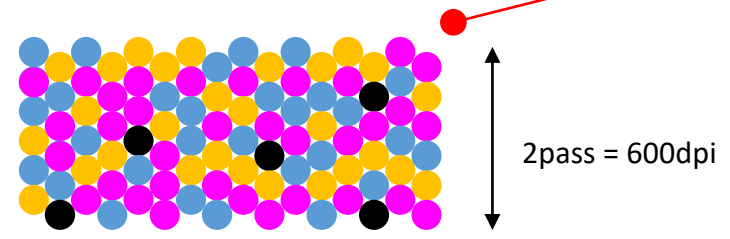
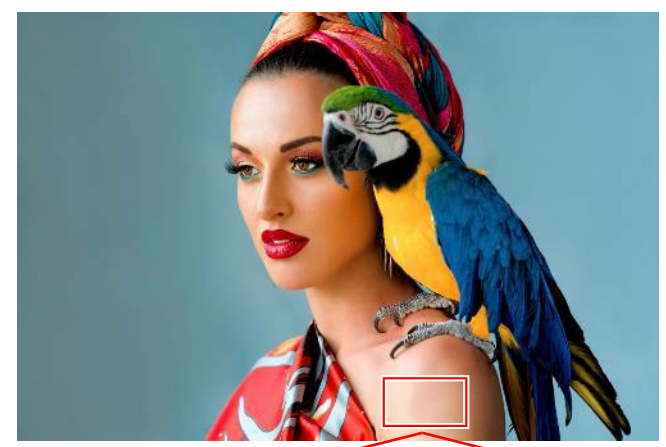
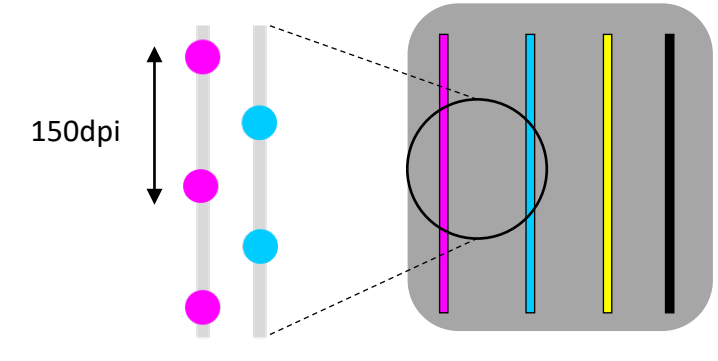
HIGH PRECISION PRINT HEADS - INCREASED NOZZLE DENSITY

- Nozzle density is changed from 150dpi to 300dpi
- This results in higher ink density and superior image quality at high-speed, low-pass printing mode

UCJV330-160



UCJV300-160

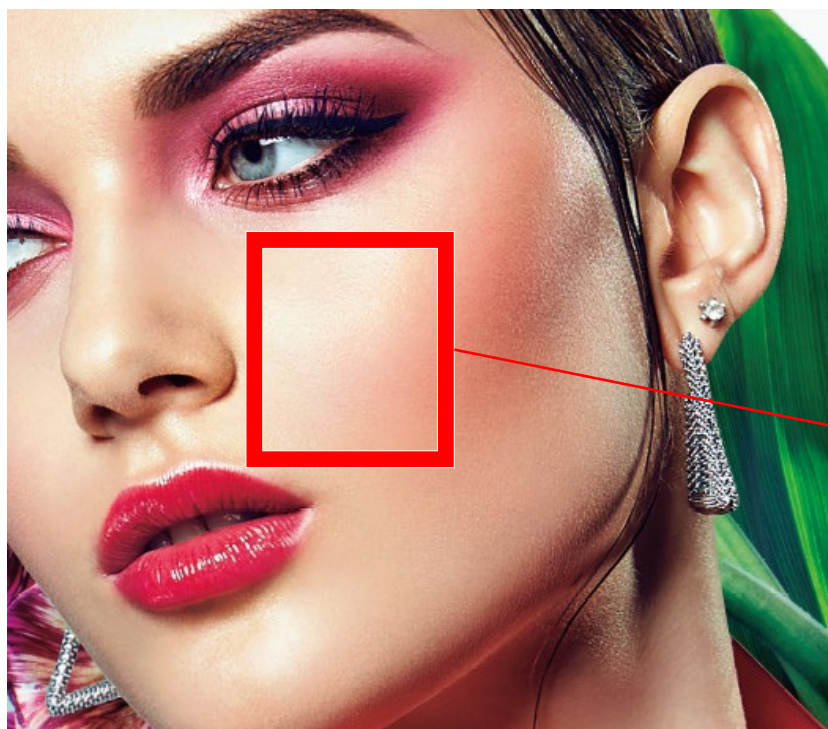


Same pass mode - 200% higher nozzle density

IMAGE QUALITY CONTROL – VARIABLE DOTS

• VARIABLE DOTS: GRAINY APPEARANCE REDUCTION SYSTEM

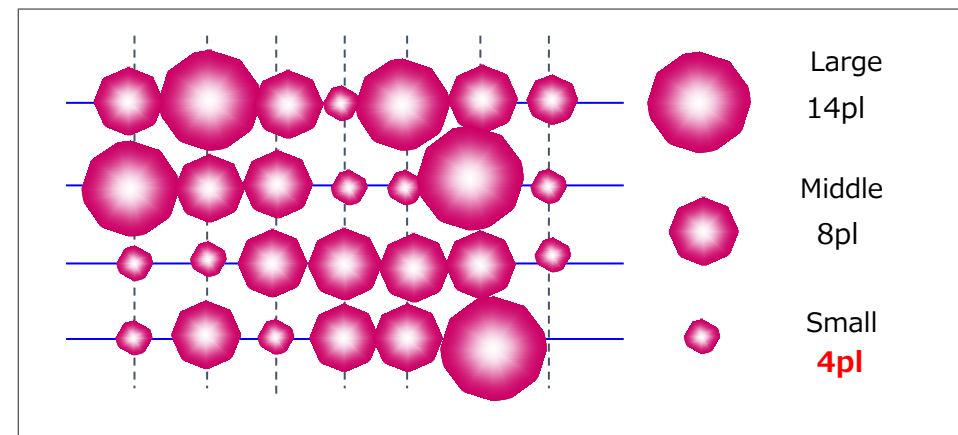
- The 3 most optimum drop sizes (Small, Middle and Large) are automatically selected, depending on the print mode
- With small print dots, starting from 4pl, UCJV330 achieves extremely fine detail and realistic photographic expressions
- Grainy appearance is also reduced by using 1200x1800dpi high resolution print mode available for high quality printing



Variable dots



UCJV330-160



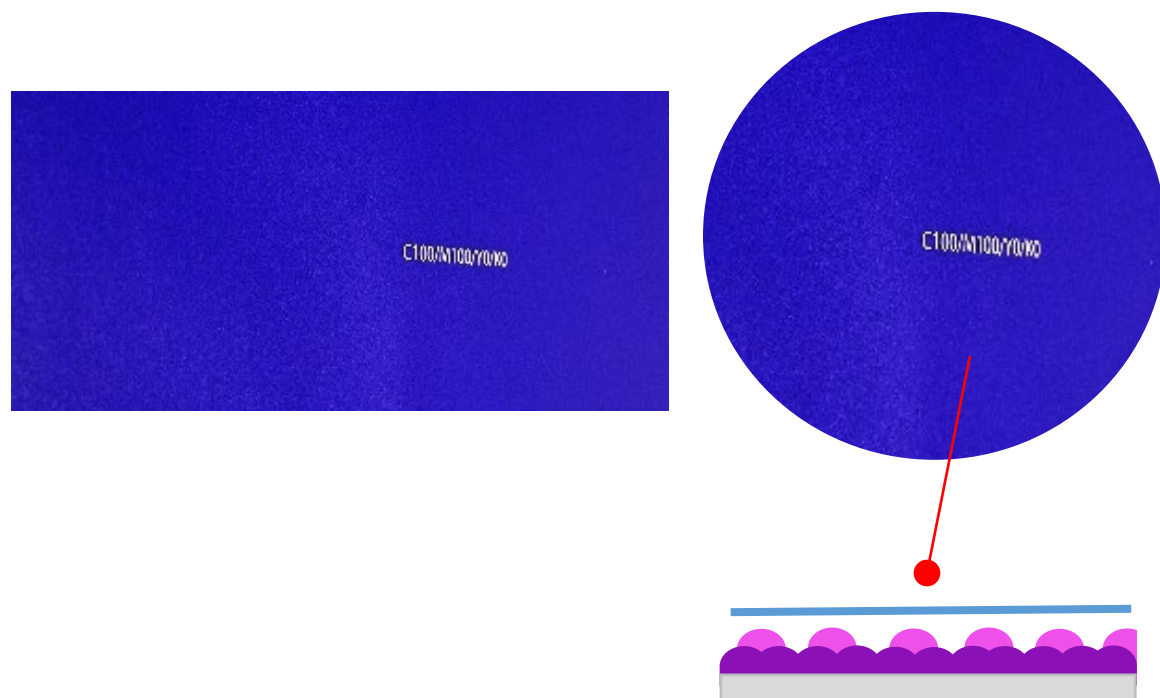
UCJV300-160



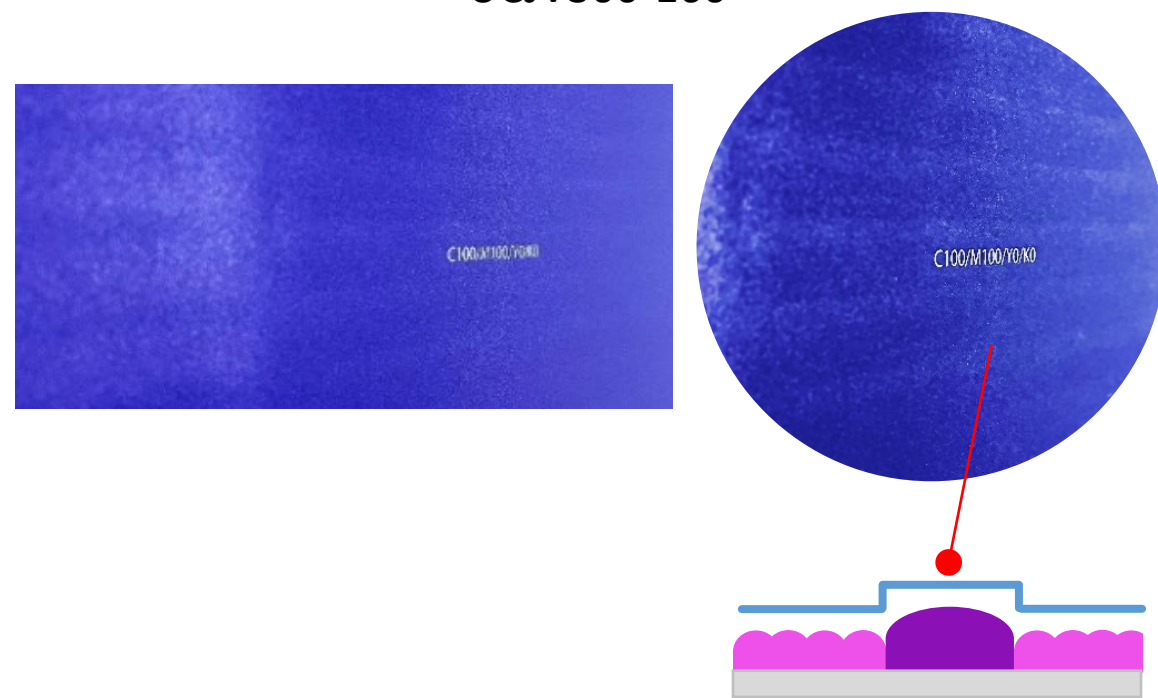
NEW FUNCTION: UV-LED INK EJECTION TECHNOLOGY 1

- Mimaki UV-LED ink ejection technology is more advanced than the previous model.
- Printing methods that reduce the unevenness of the ink surface reduce colour irregularities and banding.
- Banding is reduced by printing a thin solid line on the first layer and adding MWDT or MAPS effects on top of it.
- It offers high-quality printing even at high printing speeds without chromatic banding.

UCJV330-160



UCJV300-160



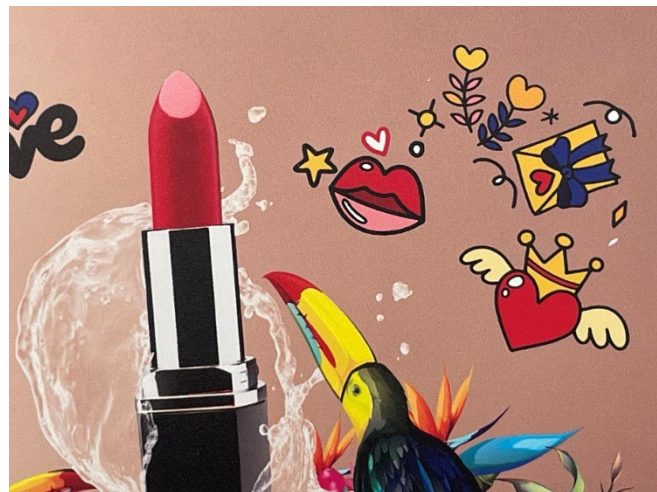
NEW FUNCTION: UV-LED INK EJECTION TECHNOLOGY 2

- Mimaki UV-LED ink ejection technology is more advanced than the previous model.
- As well as improved solid colour, reds in particular can now be expressed more vividly.
- Print a thin red solid line on the first layer, then add the MWDT and MAPS effects to reduce banding and create a gradient without tone jumps.

UCJV330-160 6 colour



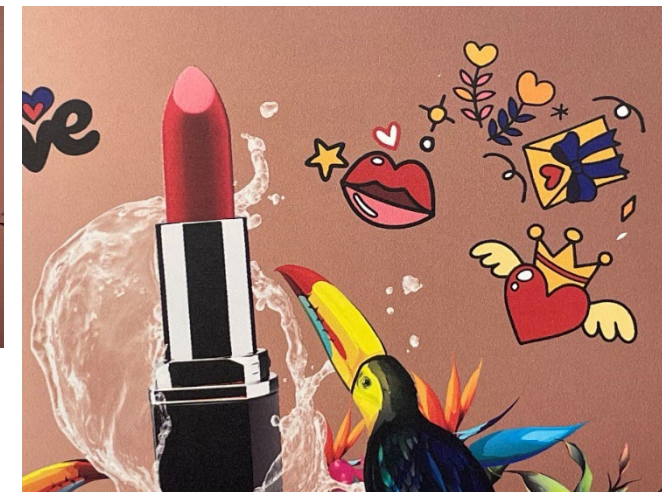
600 × 600 dpi 10 pass



UCJV300-160 6 colour



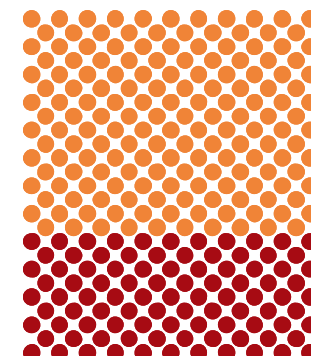
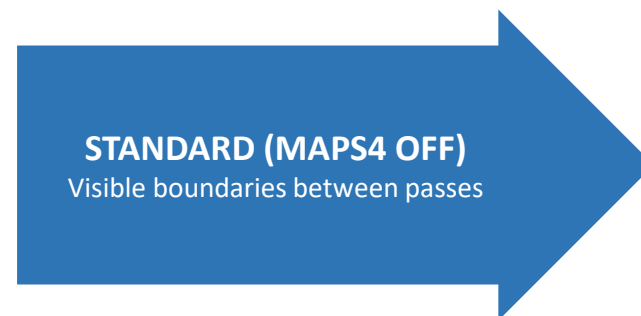
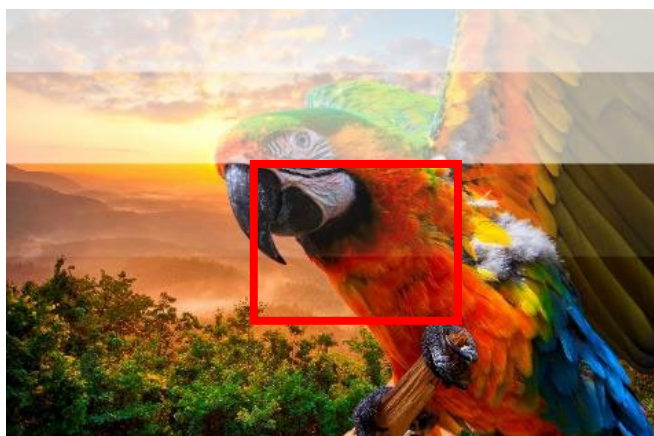
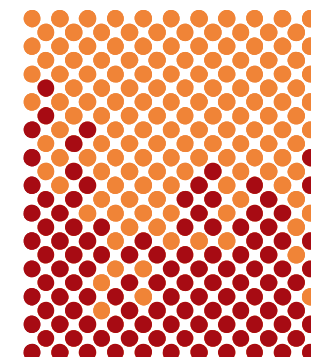
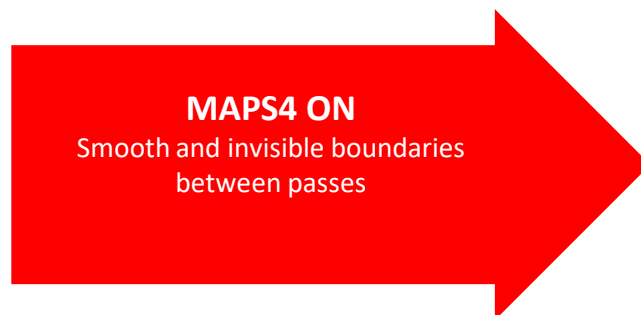
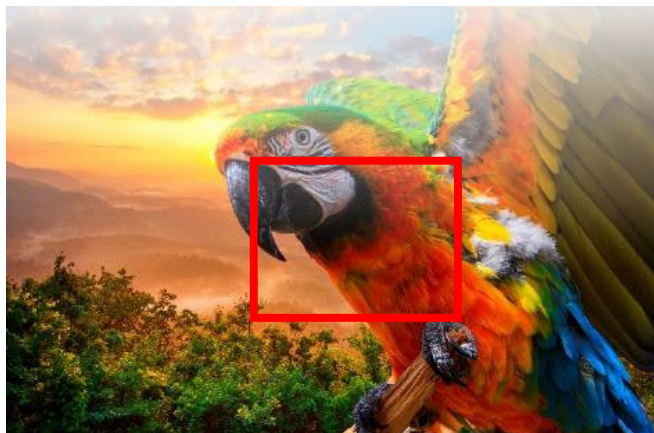
300 × 600 dpi 12 pass



MAPS4: HIGH IMAGE QUALITY

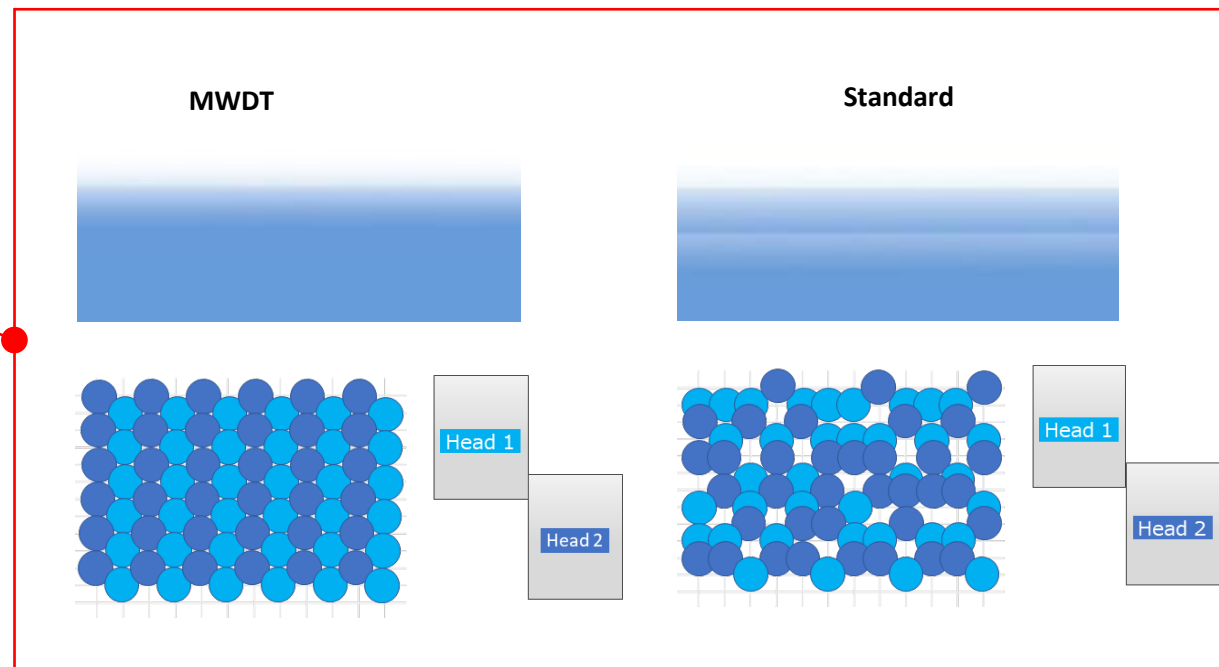
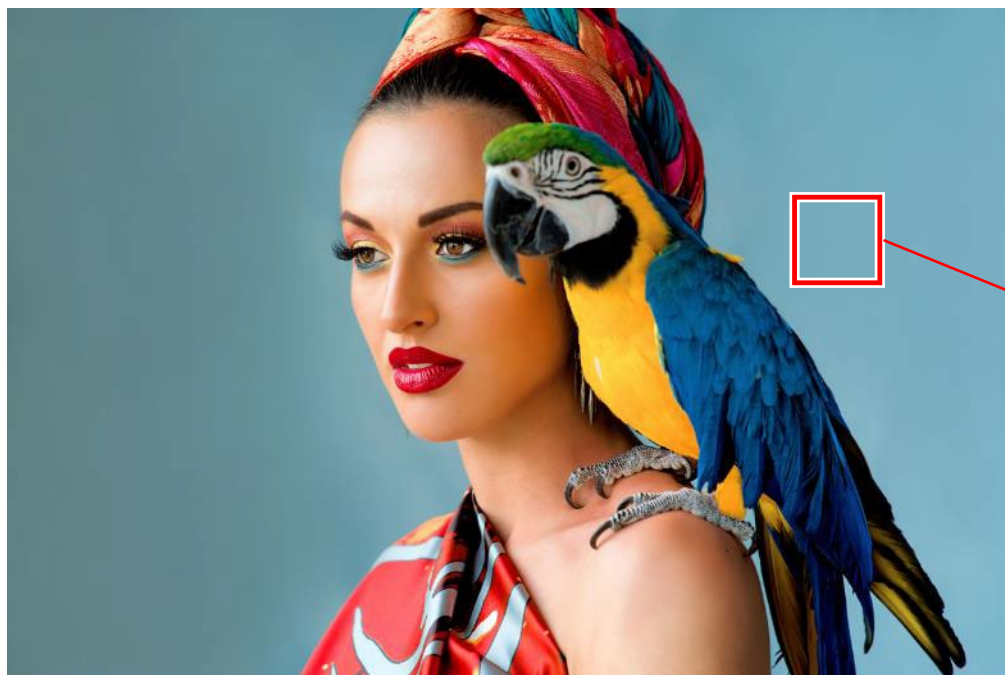
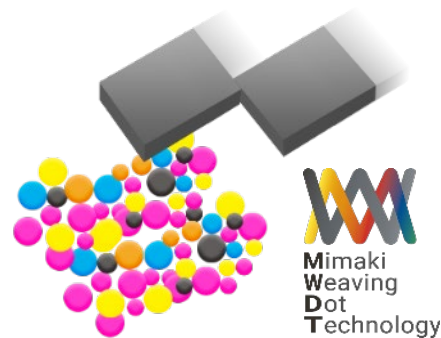
• MAPS4 FOR PRINTING WITHOUT BANDING

- Standard print process with straight lines causes a slight misalignment between boundaries because of banding or uneven colour printing
- Mimaki Advanced Pass System (MAPS4) reduces banding and uneven colour printing by applying blurred boundaries between passes like gradation printing



MIMAKI WEAVING DOT TECHNOLOGY

- HIGH QUALITY OUTPUT AT HIGH SPEED
 - New weaving algorithm
 - Eliminates influence of print head imperfection
 - Banding-free output over wider speed range
 - High-quality output at high speed

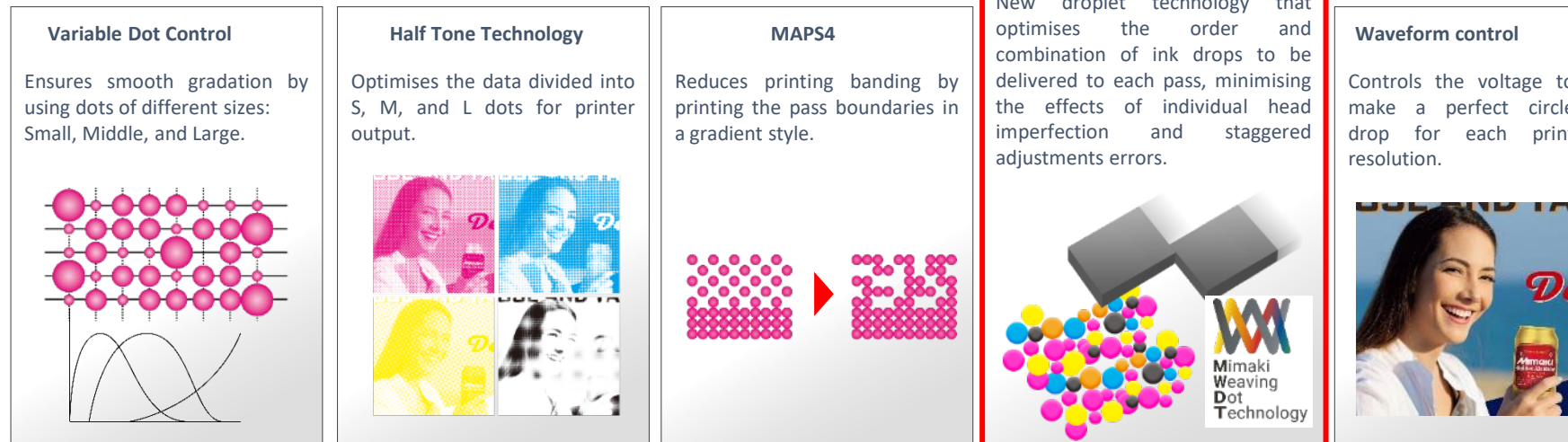


MIMAKI WEAVING DOT TECHNOLOGY

• WHAT IS MWDT

- Mimaki Weaving Dot Technology is a new addition to Mimaki Imaging Technology
- Combined with other Mimaki Imaging technologies, such as Halftone Technology which randomises the halftone dot pattern on each layer, it reduces image degradation caused by dot misalignment
- This suppresses irregularities in solid colours and allows for vivid and evenly filled expressions
- Combined with Waveform Control technology, it further ensures stable print quality by controlling waveforms on each printhead chip for higher dot placement accuracy and more uniform dot density on each pass

Mimaki Imaging Technology



GREAT VARIETY OF APPLICATIONS

- The characteristics of UV-LED inks enable the creation of a wide range of applications
- Multi purpose use for indoor and outdoor applications

Indoor sign



Poster (Blue back paper)



Backlit (Colton)



Fabric sign



Banner



Backlit (FF)

Outdoor sign



Building materials (Dynock)



Window decoration (Clear PET)



POP



Label/Sticker

Indoor decoration

POP and Label

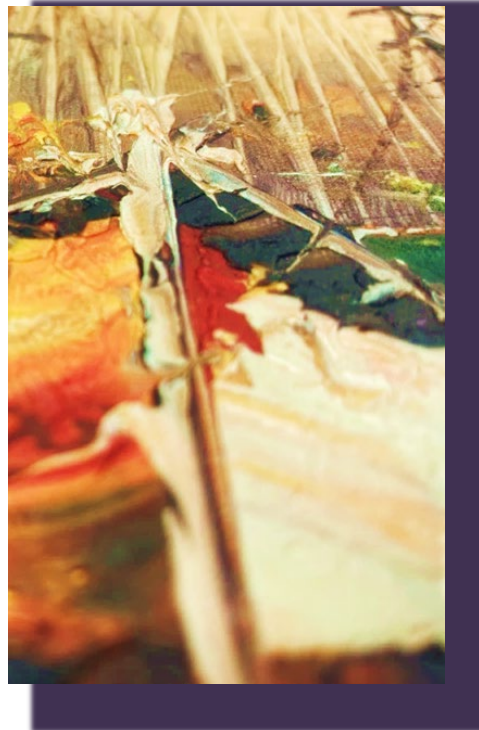
GREAT VARIETY OF APPLICATIONS – CLEAR INK

- CLEAR INK FURTHER IMPROVES DESIGN AND ADDS VALUE TO PRINTING
 - Watermark printing is a new printing method whereby a hidden image appears when the backlight is turned on.
 - 2.5D Texture Maker support enables easy creation of uneven data and 2.5D printing to create signs with a 3D effect on the printed surface.
 - Clear ink can be used to add a glossy or matte finish to printed materials.

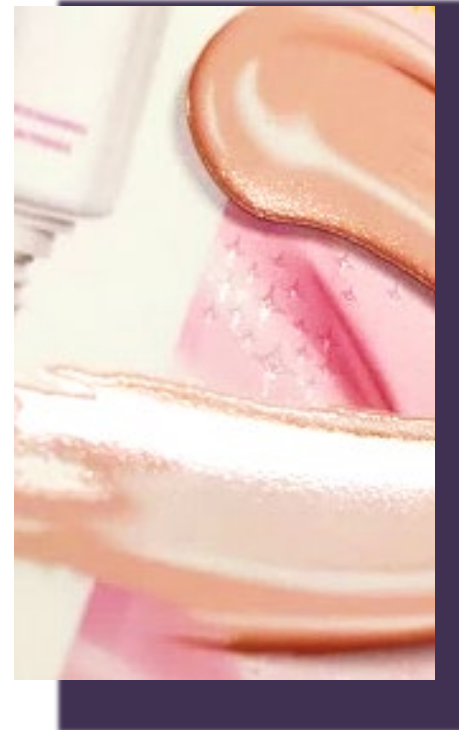
WATERMARK PRINTING



2.5D PRINTING



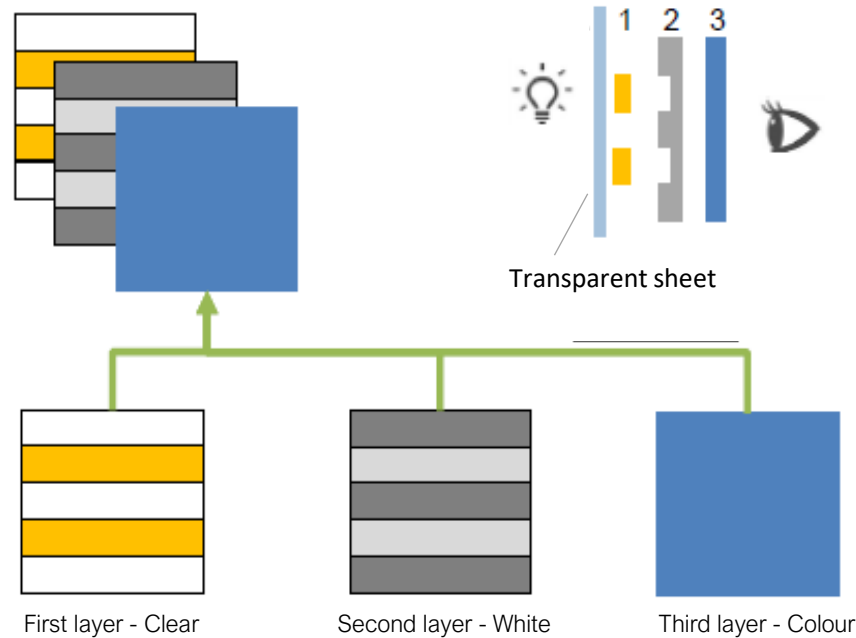
GLOSSY, MATTE and TEXTURE PRINTING



NEW FUNCTION: WATERMARK PRINTING

• MORE VALUE IN ADVERTISING

- Special UV printing technology enables two types of image expression on a single sign to improve advertising effectiveness.
- Three-layer printing - clear, white and colour - makes it possible to create new backlit advertising.
- When the light is switched on, the clear layer appears due to the different density of the white layer printed under the colour layer.



Back Light [ON]

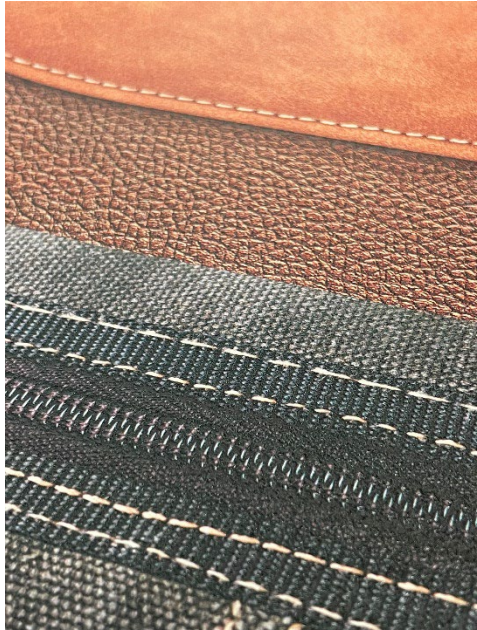


Back Light [ON]

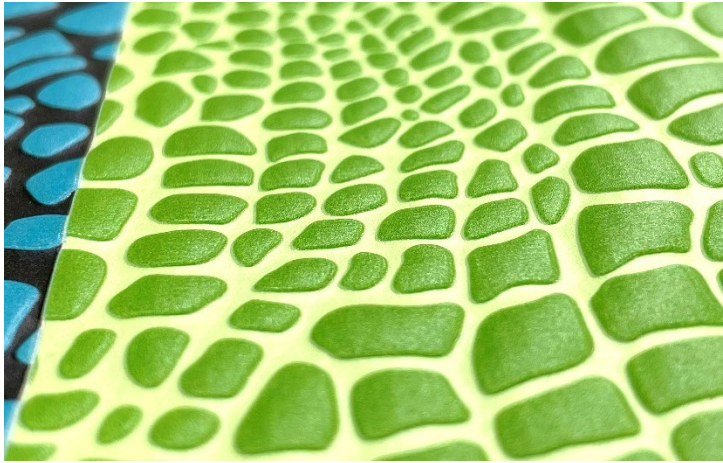
NEW FUNCTION: 2.5D PRINTING

- UV's unique printing expression, called 2.5D printing, adds new value to signs.
- Adds a more three-dimensional design to the sign, making it more eye-catching.

Leather



Pattern



Brushstrokes



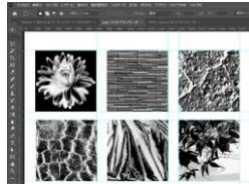
NEW FUNCTION: 2.5D TEXTURE MAKER

- Data creation can be easy with 2.5D Texture Maker
- 2.5D PRINTING WORKFLOW:

For Photoshop user



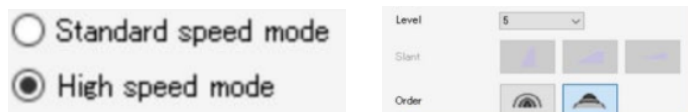
1. Create the data that you want to print
2. Create greyscale data
3. Open this data in RasterLink7



4. Change data settings to 2.5D Texture Maker



5. Select 2.5D print settings in RasterLink7

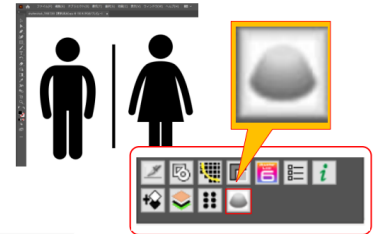


6. Print the data from RasterLink7

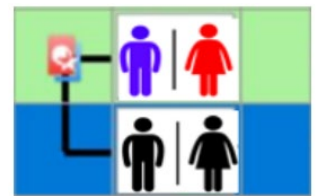
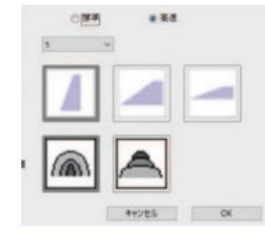
For Illustrator user



1. Create the data that you want to print
2. Select the 2.5D icon in RasterLinkTools
3. Select 2.5D print settings



4. Output the data to RasterLink7 through RasterLinkTools
5. Print the data from RasterLink7



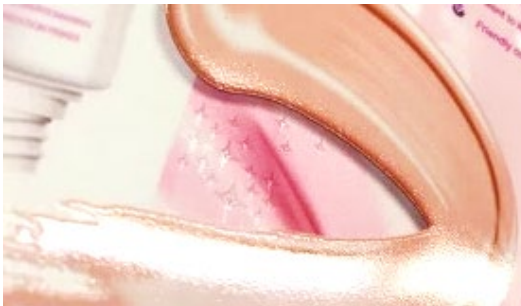
GLOSSY OR MATTE FINISHING WITH CLEAR INK

- Gloss and matt printing with two different clear ink printing methods add value to regular printing.
 - Glossy Printing: adds shiny effects to high-quality designs
 - Matte Printing: enhances texture printing
 - Texture Printing: expresses the 3D effect by printing clear ink in multiple layers

TEXTURE PRINTING



GLOSSY PRINTING

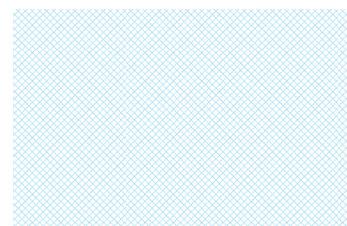


MATTE PRINTING

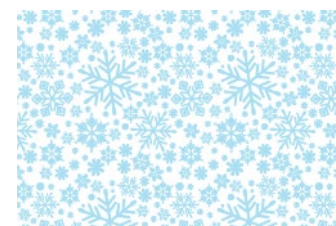


ARTISTA TEXTURE LIBRARY

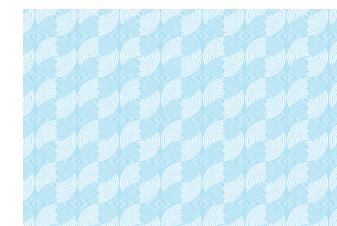
- ARTISTA Texture Library offers 129 pre-defined swatch patterns for Adobe Illustrator*
- 3D texture can be easy designed in Illustrator and printed with clear liquid to the material
- Choose from 3 different pattern groups: BASIC, ARTISTIC and MODERN



BASIC: 44 different types of basic designed texture patterns

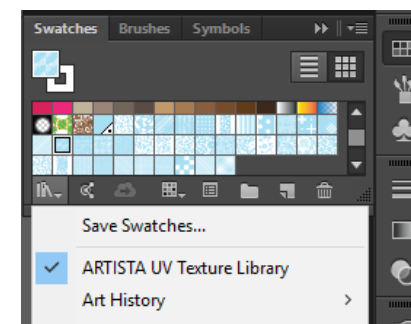


ARTISTIC: 45 different types of patterns with floral or symbolic textured design



MODERN: 40 different types of patterns with modern textured design

- The ARTISTA Texture Library is located at C:\MijSuite\Swatch\Illustrator
- Simply add to Adobe Illustrator by copy/paste into Adobe Illustrator Preset\Swatch folder







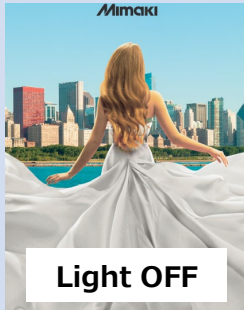
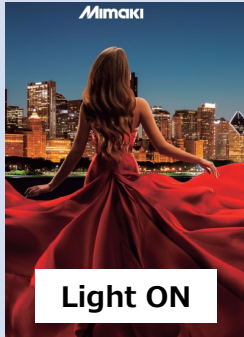
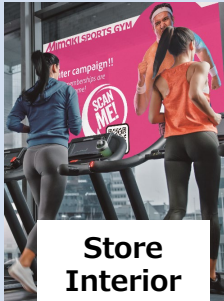
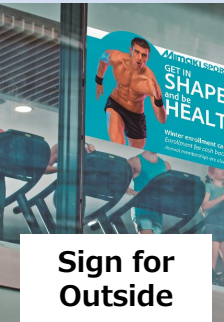


* ARTISTA Texture Library requires Adobe Illustrator ver. CS or higher

GREAT VARIETY OF APPLICATIONS – MULTI LAYER PRINTING

• UV-LED MULTI-LAYER PRINTING GOES BEYOND TRADITIONAL PRINTING

- Mimaki unique UV technology, the multi-layer printing function with 2 to 5 layers offers even more applications.
- Mimaki multi-layer printing function creates even more effective advertising.

	1 layer	2 layers	3 layers	4 layers	5 layers
How to use	General Signs and window signs	Ideal for coloured media	Ideal for decorative signs that do not dull even in daylight	Day & Night function for different illuminated signs during the day and night	Outdoors and indoors. Change the expression. Window Signs.
Print layer construction	1. Colour only 2. White only 3. Clear only	1. Colour + White 2. White + Color 3. Colour + Clear	Colour + White + Colour	Colour + White + Black + Colour	Colour + White + Black + White + Colour
Applications	 <p>General Signs</p>  <p>Window Signs</p>	 <p>Coloured Media</p>  <p>Window Signs</p>  <p>Add Gloss effect to Signs</p>	 <p>Outdoor or Indoor Backlit Signs</p>	 <p>Light OFF</p>  <p>Light ON</p>	 <p>Store Interior</p>  <p>Sign for Outside</p>

GREAT VARIETY OF APPLICATIONS – 3 LAYER PRINTING

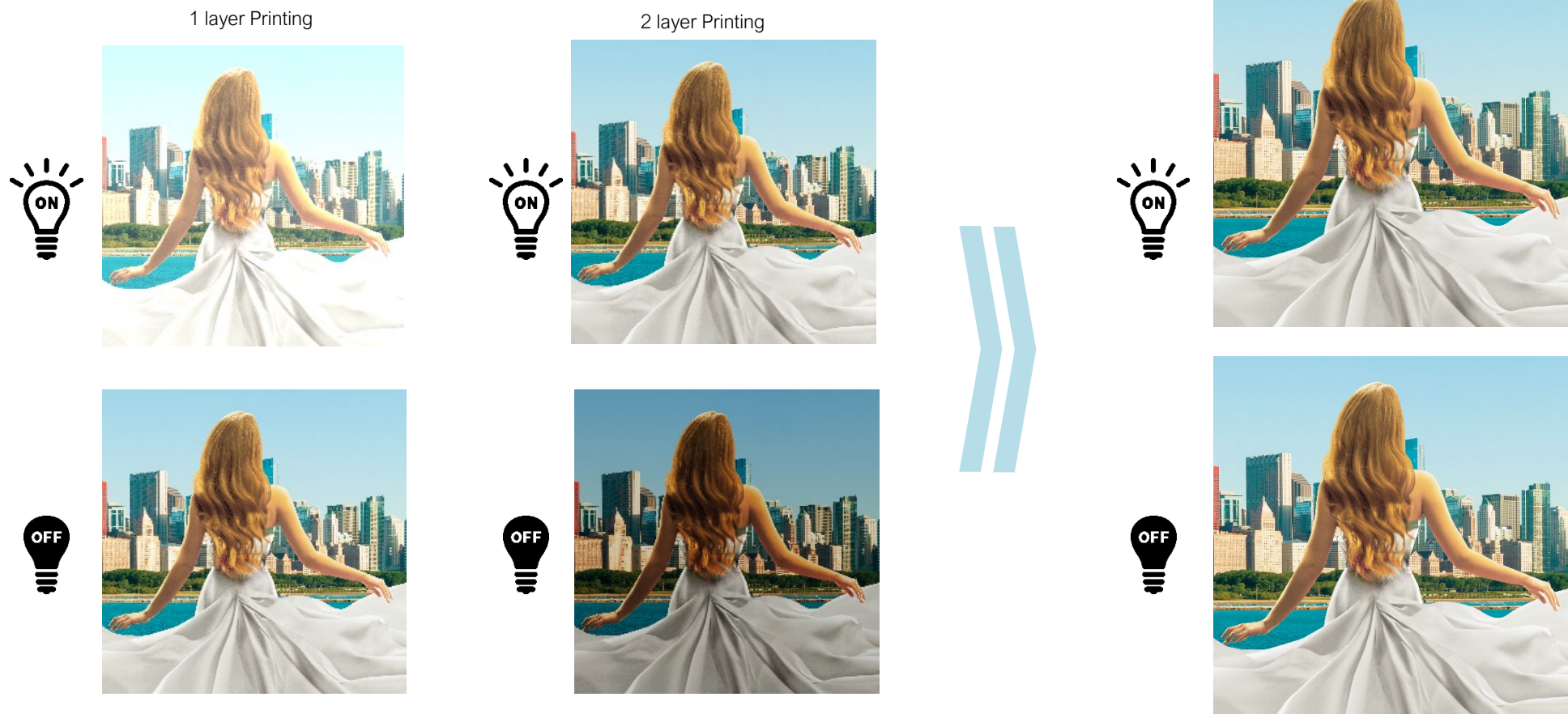
- Backlit signs with unchanged image quality achieved by 3 layer printing.

- 1 layer Printing (Colour)
- 2 layer Printing (White + Colour)
- **3 layer Printing (Colour + White + Colour)**

Colour looks dark when the backlight is off, although this is not a problem when the backlight is on.

No problem with the backlight off, but some parts of the image are clipped white when the backlight is on.

Maintains the beauty of the image quality both with the backlight on and off.



GREAT VARIETY OF APPLICATIONS – 4 LAYER PRINTING

- More eye-catching and better-designed signage can be created.
- "Day & Night Printing" with 4 layers of colour + black + white + colour printing and a design that changes when the backlight is switched on.



1. For multi-layer printing, it is recommended to use profiles that contain the "WhiteOnColor" or "ColorOnWhite" in the profile name
2. Clear liquid printing cannot be combined with 4-layer printing mode

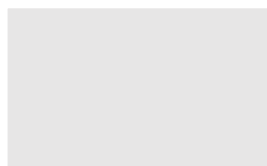
GREAT VARIETY OF APPLICATIONS – 4 LAYER PRINTING CONSTRUCTION

- Easy to create "Day & Night Printing" of 4 layer printing
- It can be created easily by using RasterLinkTools

4th layer
Colour layer
visible in daylight



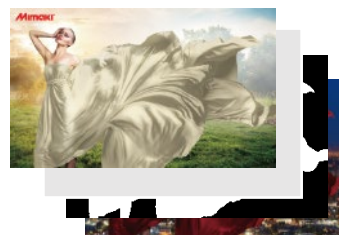
3rd layer
White layer
improves the
density of the
colour layer



2nd layer
A black layer hides
the floating layer
by turning on the
back light



1st layer:
Floating colour
layer



Back Light OFF
Image in daylight



Back Light ON
Image appearance
changes by applied
back light

1. For multi-layer printing, it is recommended to use profiles that contain the "WhiteOnColor" or "ColorOnWhite" in the profile name
2. Clear liquid printing cannot be combined with 4-layer printing mode

GREAT VARIETY OF APPLICATIONS – RASTERLINK TOOLS FOR 4 LAYER PRINTING

- Illustrator Plug-in tool for creation of 4 layer print
 - Plug-in is included as standard with RasterLink7
 - Using RasterLink Tools offers the following benefits:
 - Easily creation in Day&Night data
 - Preview of finished image in Day&Night view
 - RasterLink7 automatically creates a Day&Night job

Preview in Illustrator
Image in daylight



Preview in Illustrator
Image at night



1. For multi-layer printing, it is recommended to use profiles that contain the "WhiteOnColor" or "ColorOnWhite" in the profile name
2. Clear liquid printing cannot be combined with 4-layer printing mode

GREAT VARIETY OF APPLICATIONS – 5 LAYER PRINTING

- Front & Back Printing with two effects in one sign
 - Front & Back Printing allows printing of different images on the front and back side of a transparent sheet.
 - Two types of advertisements can be printed on one sheet with 5 layers of Colour + White + Black + White + Colour.
 - As a shop window sign, it can have the optimum effect for different people, both inside and outside.

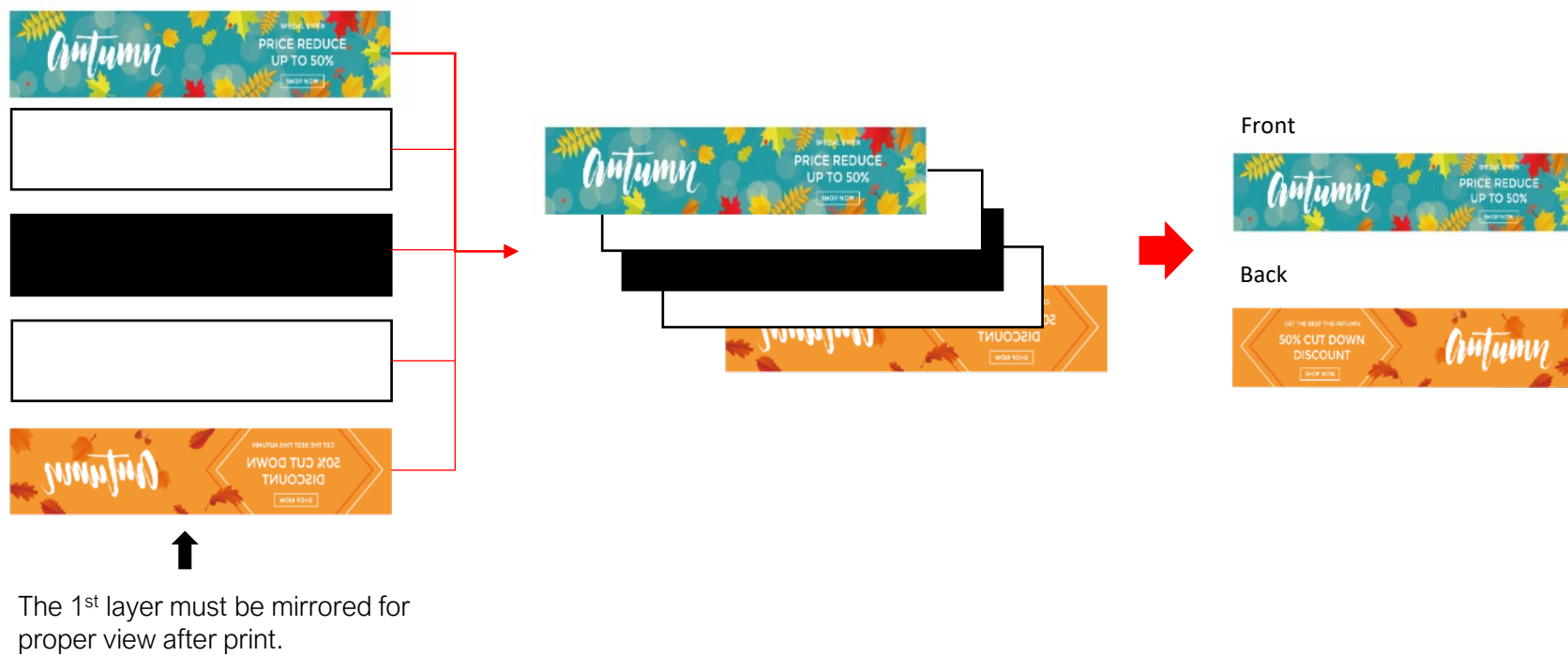
Shop's Window Sign with 2 effects



1. It is recommended to test the glass cleaner in advance and confirm the ink is not removed. Or apply laminate film on the print to protect the surface
2. For multi-layer printing, it is recommended to use profiles that contain the "WhiteOnColor" or "ColorOnWhite" in the profile name
3. Clear liquid printing cannot be combined with 5-layer printing mode

GREAT VARIETY OF APPLICATIONS – 5 LAYER PRINTING CONSTRUCTION

- Simple layers creation
- Combination of colour+ white + black + white + colour layers creates a different sign design at the front and back side of the media
- If you have created two images for front and back, other layers also can be created easily in RasterLink Tools

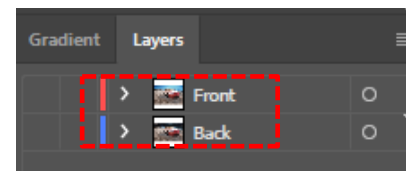


1. It is recommended to test the glass cleaner in advance and confirm the ink is not removed. Or please apply the laminate film on the print to protect the surface
2. For multi-layer printing, it is recommended to use profiles that contain the "WhiteOnColor" or "ColorOnWhite" in the profile name
3. Clear liquid printing cannot be combined with 5-layer printing mode

GREAT VARIETY OF APPLICATIONS – MULTI-LAYER PRINTING CREATION

- There are 6 easy steps to create Multi-layer data
- MULTI-LAYER PRINTING WORKFLOW:

1. Create front and back layers that you want to print with Illustrator



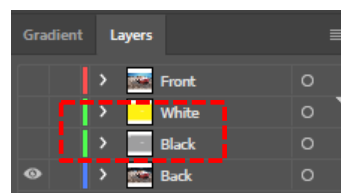
2. Create the extra layers in RasterLinkTools



3. Select the number of layers to be created



4. Selected number of layers is added



5. Output the data to RasterLink7 through RasterLinkTools



6. Print the data from RasterLink7

ID CUT FUNCTION: MAKES PRINT & CUT EASIER

• PREVENT MISTAKES IN THE CUTTING PROCESS

- Using ID CUT function enables an operator to contour cut multiple jobs without intervention
- Trouble-free function performs automatic cut of multiple jobs and saves time and material waste

• WORKFLOW

- RasterLink7 prints the ID code along with the image
- ID code includes cutting and rotation information
- The crop mark sensor reads the ID code and automatically executes cutting

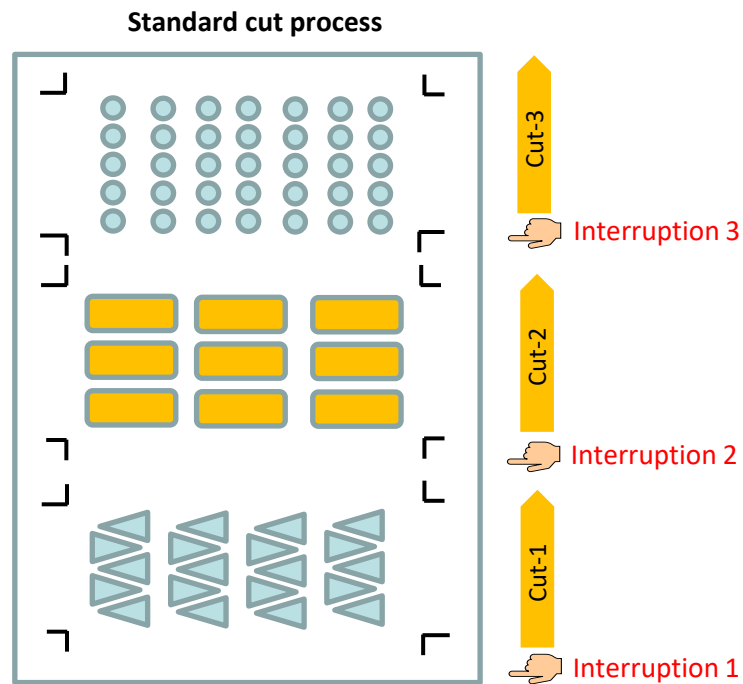
ID CUT →

The image displays a variety of technical and safety graphics for Mimaki CJV300 Series. At the top left is a yellow 'CAUTION DISCONNECT POWER BEFORE SERVICING' sign. Below it are two circular diagrams showing 'OPEN' and 'CLOSE' directions for a component. In the center, there are four circular diagrams with numbers 1-12, likely representing rotation or cutting positions. To the right is a large 'CAUTION ATC ARM RETURN' sign with detailed instructions in multiple languages. Below this is a performance chart for Mimaki CJV300 Series, showing grades A+++ (green), A++ (black), A+ (yellow), A (orange), B (red), C (dark red), and D (red). A label indicates '1,920 kWh' energy consumption. At the bottom, there are several maintenance and safety icons: 'OIL LUBRICATION', 'LOCKOUT POINT', 'FILTER MAINTENANCE' (with instructions: 'INSPECT AIR FILTERS ONCE A WEEK (MORE OFTEN UNDER ADVERSE CONDITIONS) REPLACE WHEN NEEDED'), and 'EMERGENCY STOP'. There are also icons for eye protection, hand safety, and waste disposal. A circular diagram at the bottom center shows a detailed ID code layout with various symbols and text.

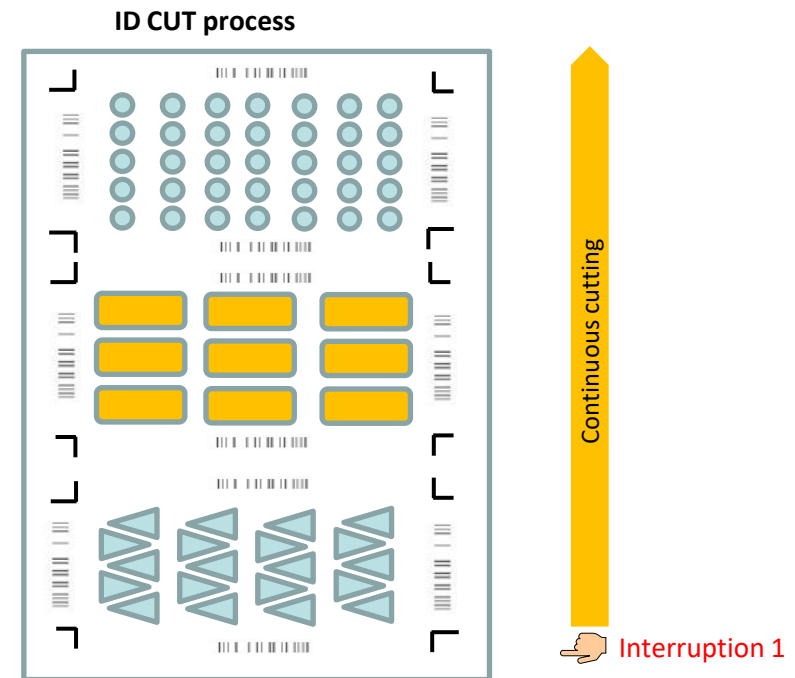
ID CUT FUNCTION: MAKES PRINT & CUT FASTER

- MULTIPLE CUTTING JOBS WITHOUT INTERRUPTION

- Reduce the need for operator intervention and interruption between multiple cutting jobs
- Prevents mistakes, saving material and speeds up the process



Operator always needs to confirm cutting data



Operator does not need to attend the process

ADVANCED PRINTING SOFTWARE: RASTERLINK7

• FUNCTIONS IN RASTERLINK7

- **New Ink Saving Function** is a great function to reduce running costs
- **Variable Data Print** is a function that streamlines the production of customised print runs
- **Harlequin RIP® Core** for accurate PDF printing with Transparency
- **Faster PDF** processing with **up to 25%** faster PDF rendering time
- **User Interface** that maximises screen efficiency
- **Calibration Tool** for measuring and easy correction of colour differences with a colorimeter*
- **Jig BarCode** function triggers automatic jig printing by scanning a barcode of a specific jig

• TRUSTED RIP SOFTWARE FOR MIMAKI-WIDE FORMAT PRINTERS

- Comes in the box with the printer
- Easy migration of data from previous version RasterLink6plus

• EASY TO USE

- Simple resizing, cropping, nesting or tailing
- Easy workflow operation, even for beginners
- 30 favourite print presets as Hot Folders
- Up to 4 printers can be controlled from a single PC

• PROFESSIONAL PRINT QUALITY

- Smooth gradation with 16-bit rendering
- Ability to print White, Metallic or Clear inks
- True PANTONE® Spot Colour matching and replacing
- Accurate ink consumption calculation



NEW FUNCTIONS: INK SAVING FUNCTION

- This is a great function to reduce running costs by up to 54% or more
- Easy operation reduces ink consumption while maintaining colour balance and image quality
- The running cost can be minimized simply by selecting the level of ink saving from level 1 to level 5 in RasterLink7

No ink saving



Ink consumption

0.458 cc

Average colour difference

 $\Delta E : -$

Level 3



Ink consumption

0.281 cc

Average colour difference

 $\Delta E : 2.51$

Invisible colour difference by human eye

Level 5



Ink consumption

0.208 cc

Average colour difference

 $\Delta E : 7.39$

Just check "Ink saving" and choose the level before printing

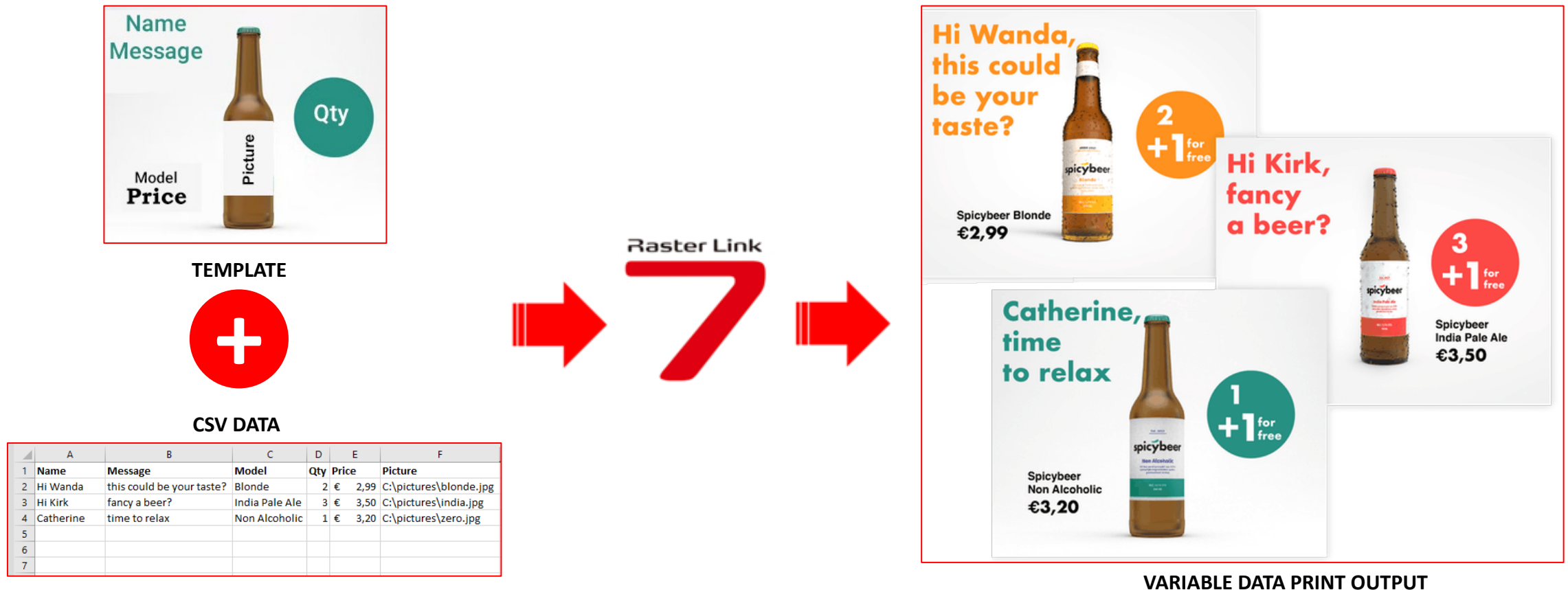
Ink saving

Ink saving level Level 3

RASTERLINK7: VARIABLE DATA PRINT

PERSONALISATION OF DESIGNS AT SCALE

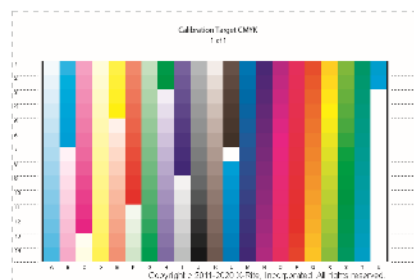
- The variable data printing function in RasterLink7 allows the merging of prepared files in CSV format with up to one thousand lines into predefined design templates
- The dynamic printing of various applications, such as stickers, product labels, employee names, and others, is simple as they are done on the go



RASTERLINK7: COLOUR CALIBRATION

- CONSISTENT COLOUR OUTPUT ACHIEVED ALWAYS, EVERY TIME

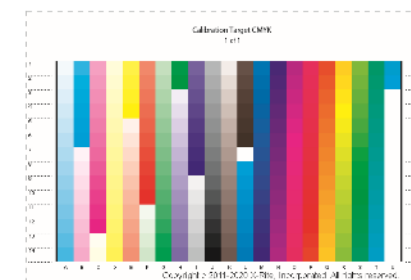
- Maintain consistent colour output from the printer*1
- Printer colour consistency can be maintained by measuring colour differences with a colorimeter*2
- The detected colour differences are easily corrected to the specified values



Previously printed colours vary due to changes over time



Colour calibration restores the colours to the previously saved values



Raster Link 7 Colour Calibration Tool

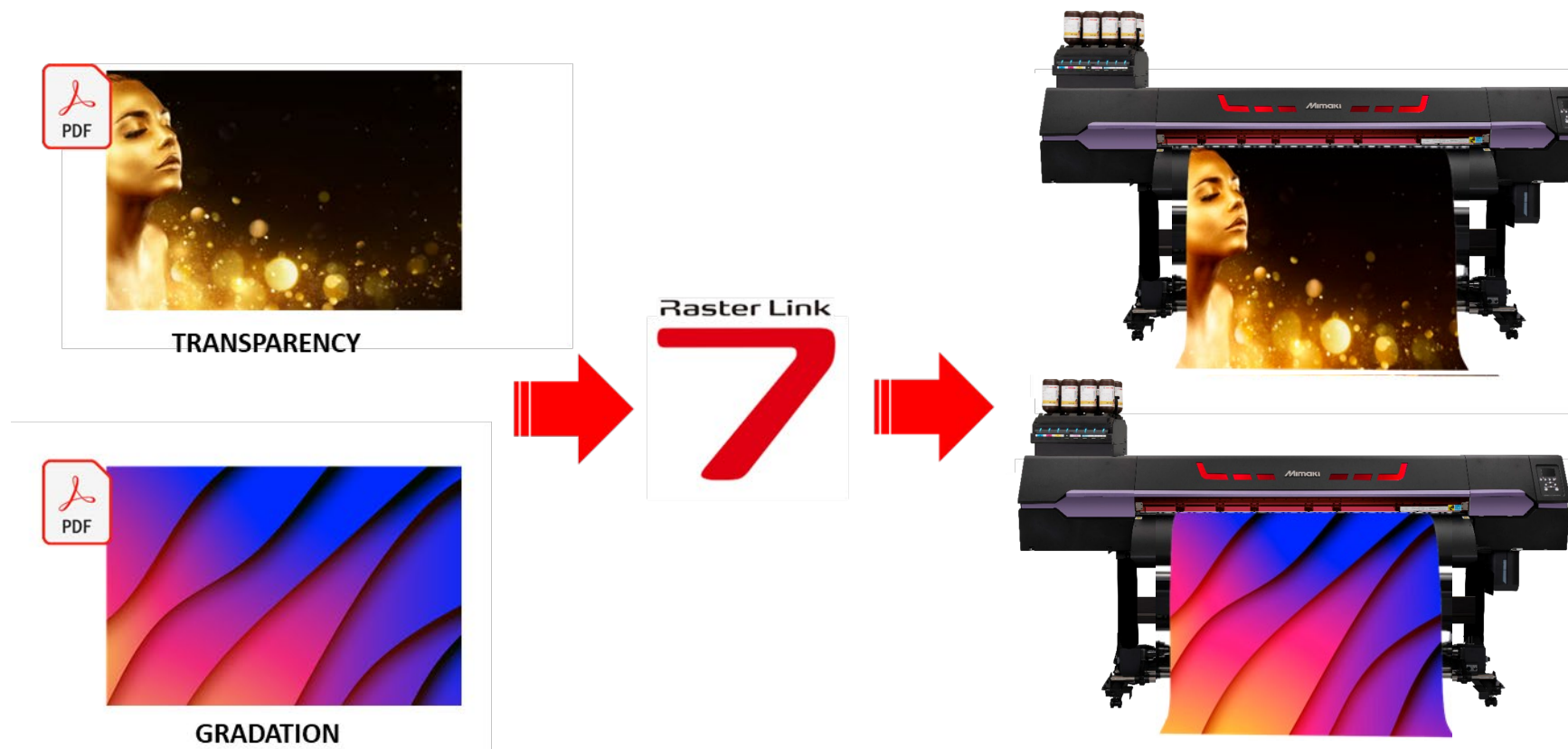
*1: It is necessary to measure the colour chart at the time of installation

*2: Colorimeter must be prepared by the customer

RASTERLINK7: PDF 2.0 NATIVE SUPPORT

• ADD TRANSPARENCY INTO PRINT BUSINESS

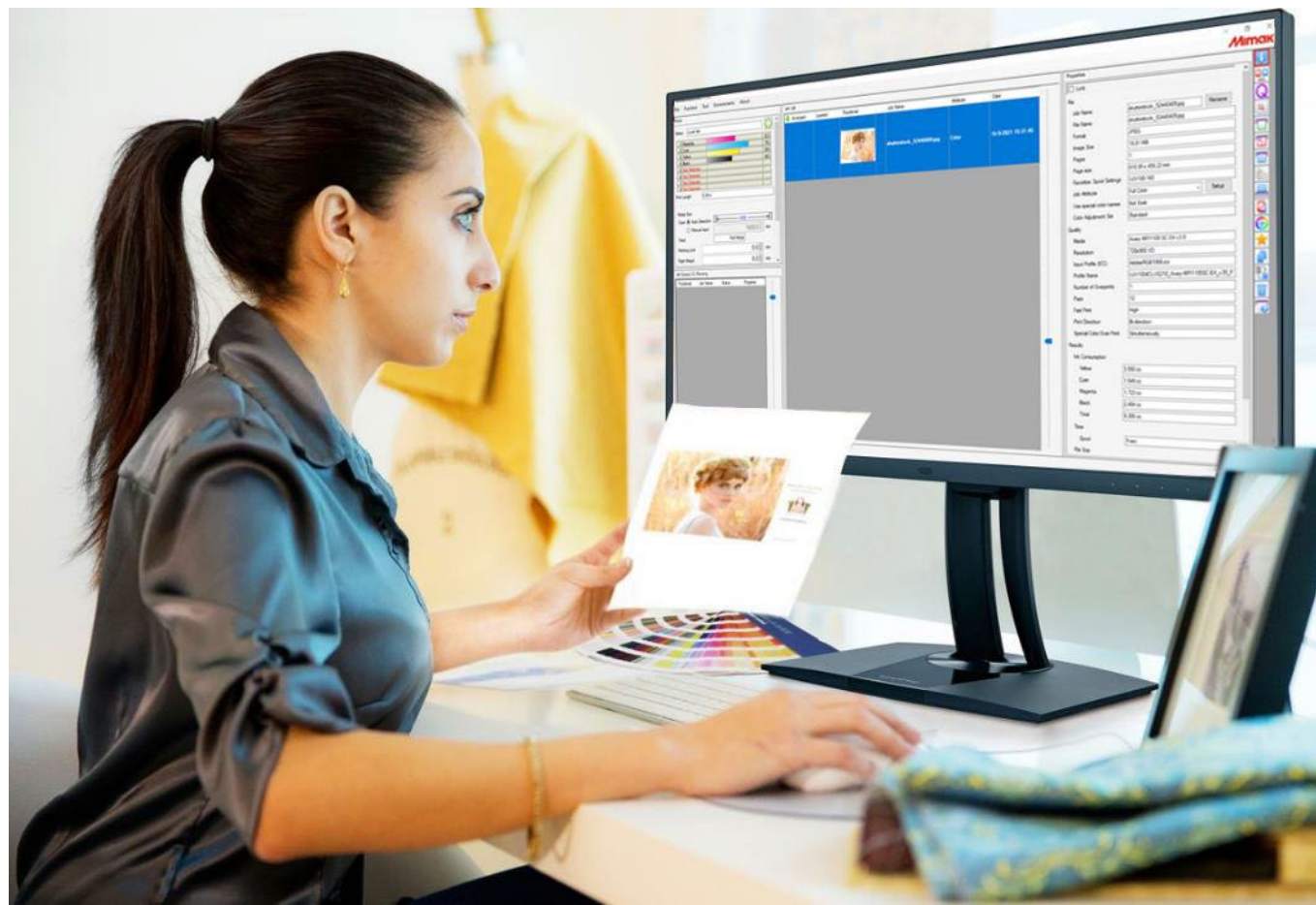
- The Harlequin RIP® Core has been implemented for showing correct previews of PDF colours dynamically and processes the PDFs faster than earlier versions
- RasterLink7 supports all the features of the new PDF 2.0 standard that are relevant for production printing
- It automatically detects when a PDF file contains any transparency and generates a correct print result, speeding up production time and reducing waste media



RASTERLINK7: OPTIMISED USER SCREEN

• PROFESSIONAL DESIGN

- The main screen now offers more available space to the user and provides easy navigation and functionality for all your print and job management tasks
- The refreshed user interface offers a clean and simple look with a smart overview of all functions, printer status, print jobs, and a set of icon tools on one single screen



NEW FUNCTIONS: MIMAKI CLOUD TECHNOLOGY PICT

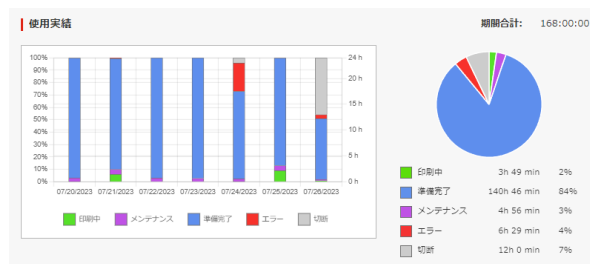
- This software can be used for consistent printer management.
- Check printer operating status, ink consumption and running costs at a glance.
- The function of monthly operation status reports enables systematic printer management.

Mimaki Cloud
Technology

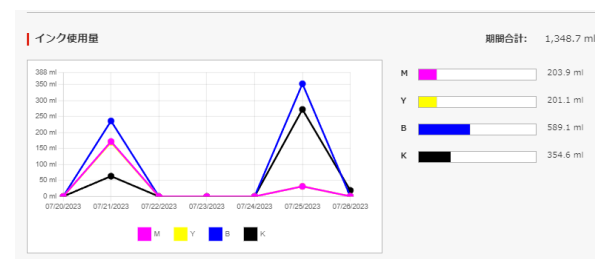
PICT



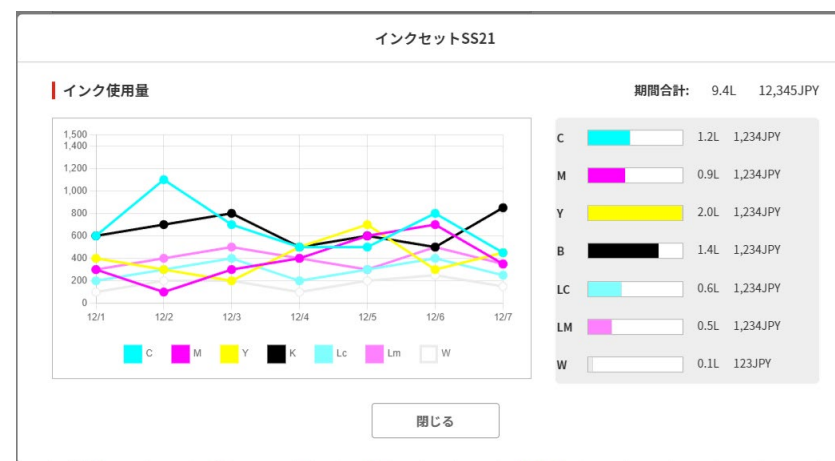
Operating status



Printing volume and Ink consumption



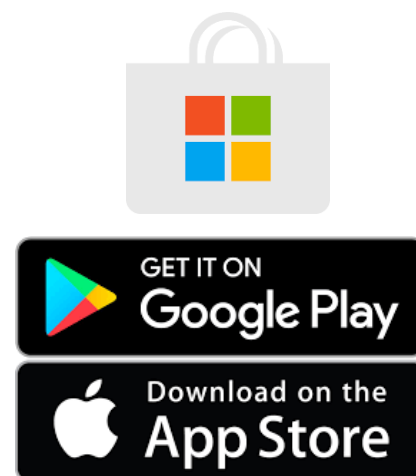
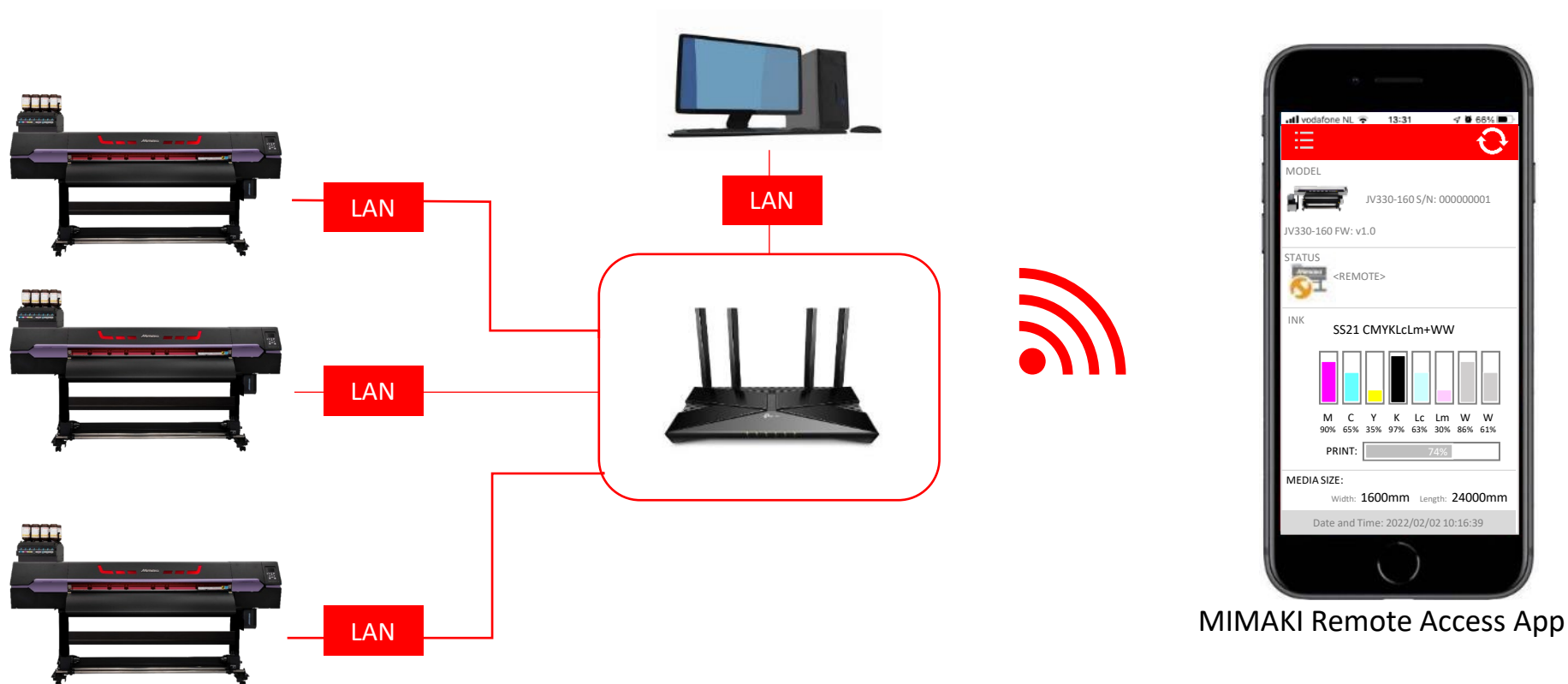
Calculate running cost



REMOTE ACCESS

• REMOTE PRODUCTION CONTROL WITH SMART REMOTE ACCESS APP

- The Mimaki Remote Access App makes the remote control and operation of the JV330-160 series easy and efficient
- Receive status updates as well as remotely manage production, test printing, and cleaning functions
- This allows the operator to multitask, dramatically increasing work efficiency



ECO-FRIENDLY AND SUSTAINABLE

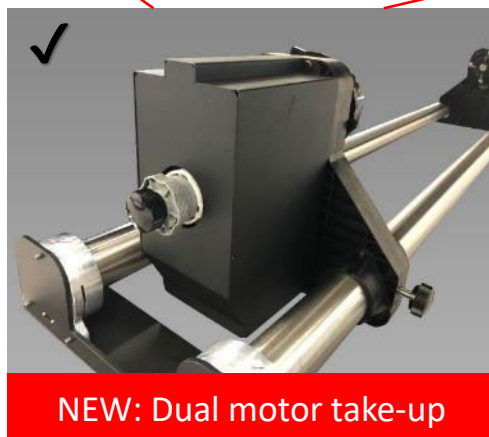
- Mimaki UV inks use environmentally friendly inks that produce little or no VOCs
- Energy-saving and sustainable printer
 - Uses less than half the power consumption of a typical eco-solvent printer
 - Uses less than 1/3 of the power consumption of a typical latex printer



NEW FUNCTION: ENFORCED TAKE-UP SYSTEM

- STRENGTH AND STABILITY FOR LONG RUNNING JOBS

- Media Take-up System with Dual synchronised motors for straight take-up of the printed media
- The winding accuracy and take-up power have been improved
- The two motors are attached to the left and right sides of the take-up unit, which evenly distributes the load on the paper tube and improves the winding accuracy

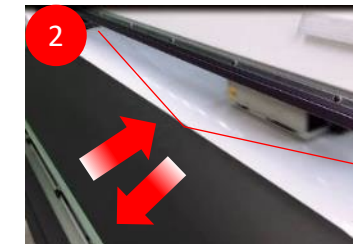
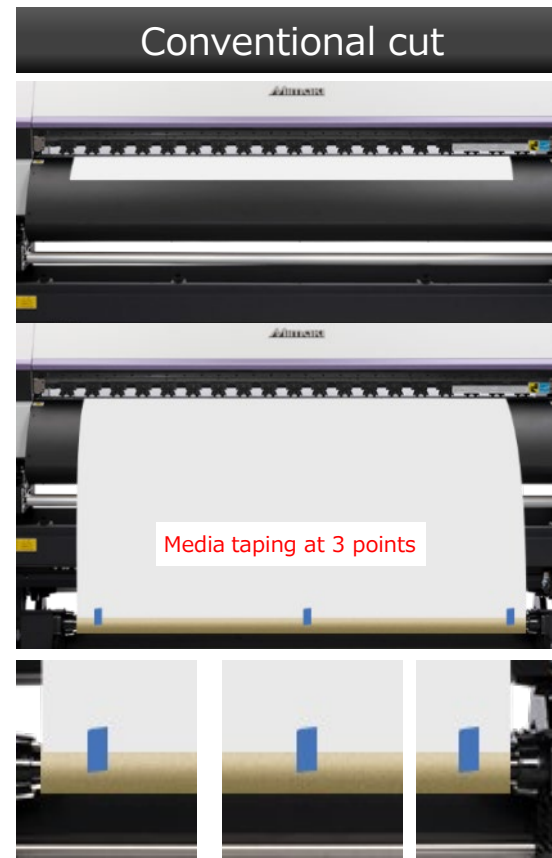


V-SHAPE CUT

• STABLE MEDIA WINDING ON LONG RUNS

- By cutting the media into a V-shape, it is possible to fasten the tape only at a single point when winding the media at the take-up side
- By concentrating the force on the central point of the material, you improve the winding stability and equalise the tension at the ends of the roll

Media Cut	
Horizontal Cut	>
V Letter Cut	>



ILLUMINATED PRINT PLATFORM

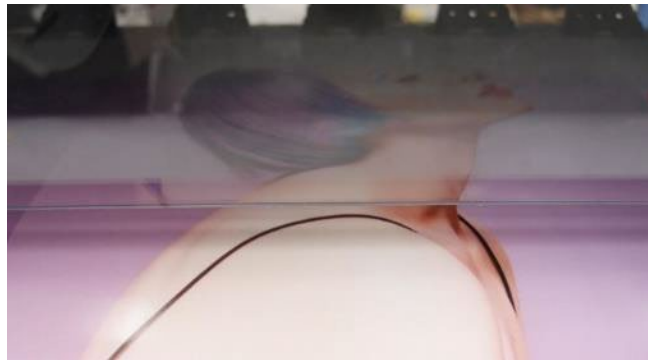
- LED light is added above the print platen for easier maintenance and checking of the print process
 - Easier inspection of calibration patterns and print head condition
 - Easy visual inspection of the print quality during printing
 - Illumination settings can be tuned by the operator



Internal LED light



Internal LED light ON

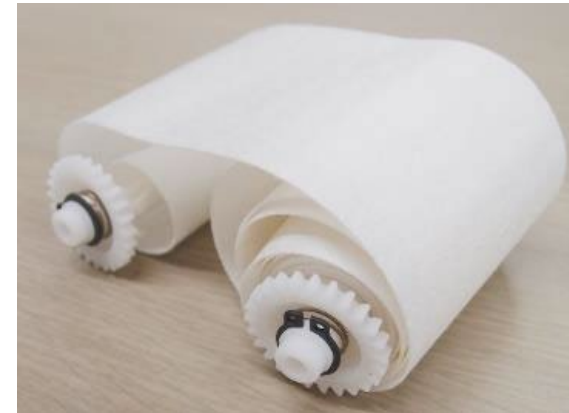
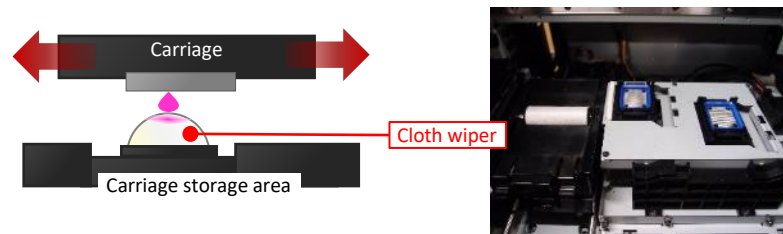


Internal LED light OFF

FABRIC WIPER

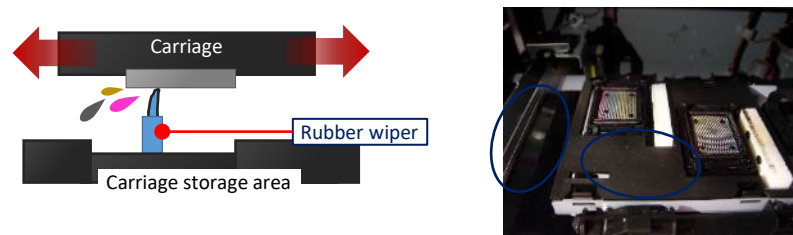
- REDUCED MAINTENANCE TIME AND OPERATIONAL COST
 - The JV330 has a cloth wiper as an in-line cleaning system
 - This integrated self-cleaning system allows the printer to perform daily maintenance and reduce downtime

New Fabric Wiper system



SPC-0919: Fabric Wiper

Conventional Wiper system



NOTE ABOUT SPC-0919 CLOTH WIPER G KIT

- The part numbers of cloth wipers for JV330/CJV330 and TS330 are different.
- SPC-0919 is the wet (impregnated type). Cloth Wiper G Kit is for JV330/CJV330.



SPC-0919 Box Package



SPC-0919 Box Contents



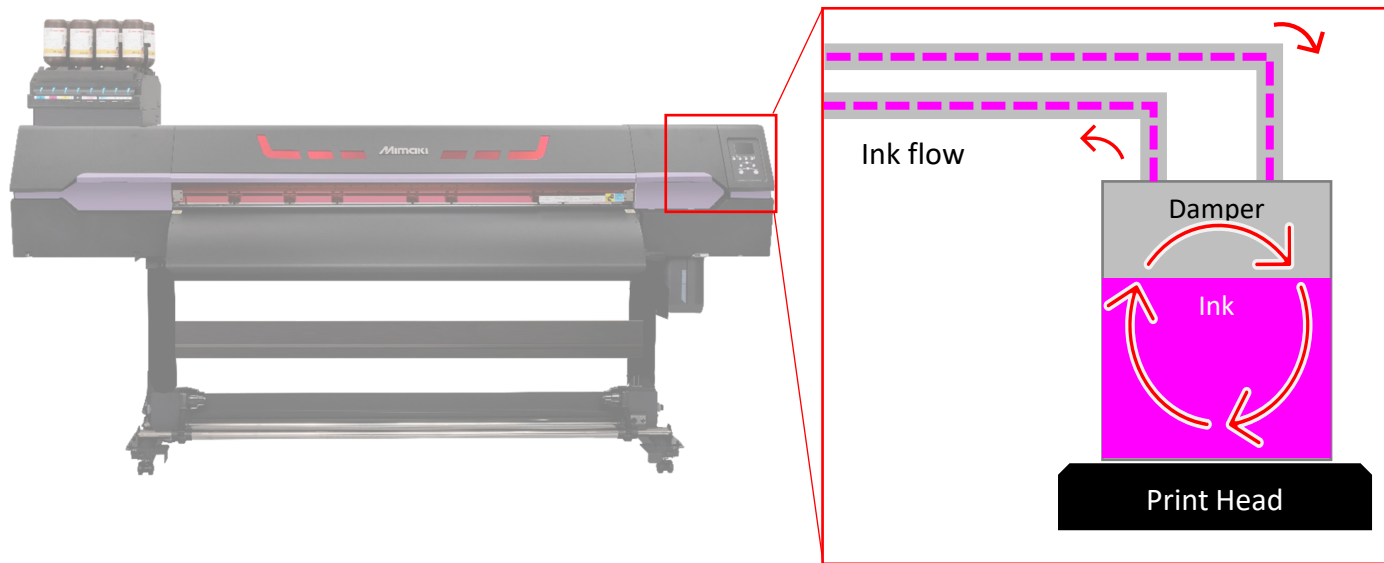
SPC-0919 is packed in an aluminium bag

STABILITY ENHANCEMENT: NEW MIMAKI INK CIRCULATION SYSTEM

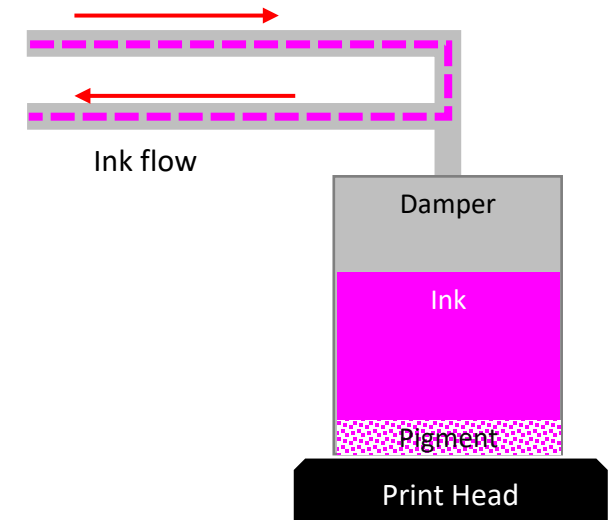
• IMPROVED PERFORMANCE AND REDUCED MAINTENANCE

- Mimaki Ink Circulation System has been upgraded to version 2 (MCT2), reducing the need for extensive cleaning methods, improving productivity and reducing wasted time and material
- MCT2 allows ink to circulate through the damper, keeping ink particles from settling and providing an eco-friendly and economical approach to special colour printing
- Without MCT, when special colours such as white or orange are used, pigment deposition can lead to nozzle blockage and reduced print quality

New Mimaki Ink Circulation 2 (MCT2)

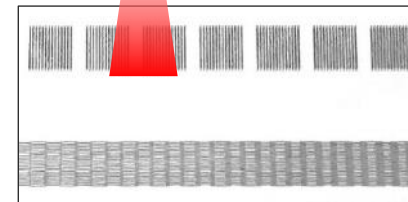
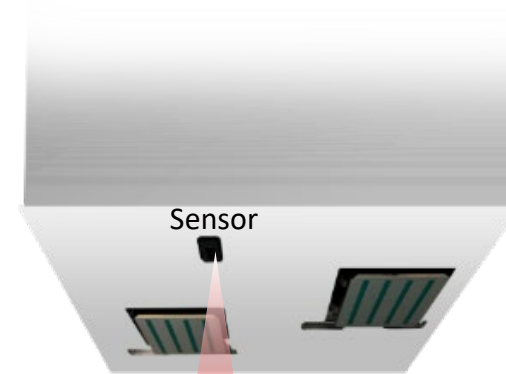


Standard Ink Circulation System

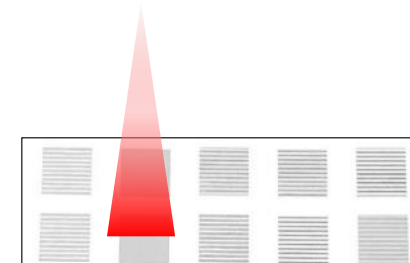


PRINTING AUTOMATION WITH DOT ADJUSTMENT SYSTEM (DAS)

- **AUTOMATIC BI-DIRECTIONAL PRINT ADJUSTMENT**
 - Automatically recalculates and adjusts the drop landing position depending on distance between the print heads and the media surface
 - Assures the highest bi-directional dot placement accuracy
 - Eliminates the need for manual adjustments per individual media type
- **AUTOMATIC MEDIA FEED ADJUSTMENT**
 - Always optimal media feed preventing horizontal colour banding
 - Assures highest print quality
 - Eliminates manual feed correction and improves overall productivity



Bidirectional
Adjustment
Time: approx. 12-minutes



Feed Compensation
Adjustment
Time: approx. 6-minutes

DAS: DOT ADJUSTMENT SYSTEM

• DAS AVAILABLE FUNCTIONS

Function	Description
All	Execute both drop position and feed corrections
Feed Comp	Execute only Feed compensation
Drop.PosCorrect	Execute only Drop position correction (for Bi-Directional print)

• Important notices when using DAS

- Coloured, transparent media is not supported
- Embossed media such as canvas may not be corrected properly
- Media on which ink can bleed may not be corrected properly

Feed correction pattern



Drop position correction pattern



Before DAS execution



After DAS execution

NCU AND NRS

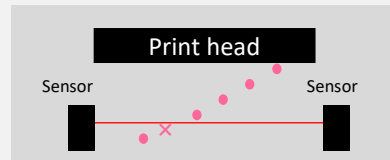
• AUTOMATIC MAINTENANCE FOR UNINTERRUPTED PRINTING

- Continuous unattended operation by interlocking the Nozzle Check Unit (NCU) and Nozzle Recovery System (NRS)
- Requires less checking time and less media waste, compared to competitors

NCU (Nozzle Check Unit)

Automatically detects nozzle clogging. When clogging is found, the nozzles are automatically cleaned.

Infrared light detects missing ink droplet(s)

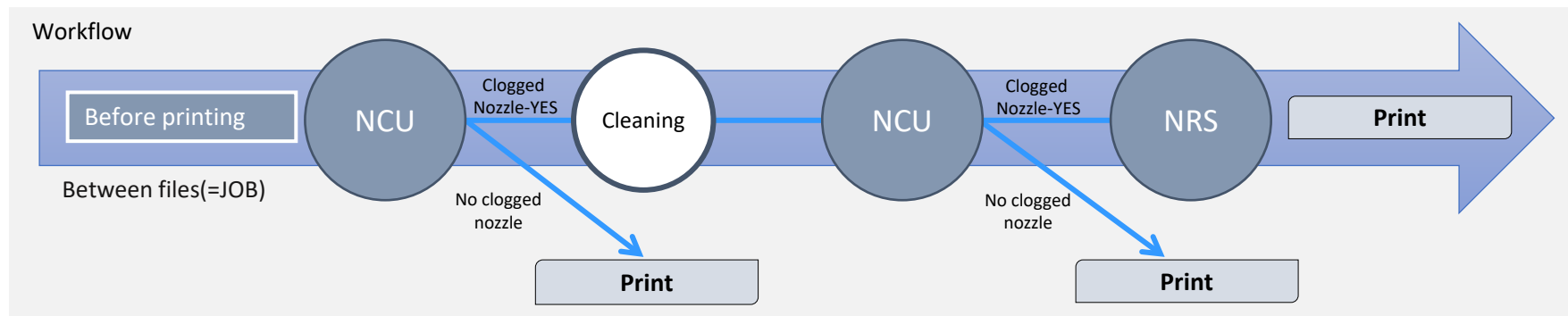


NRS (Nozzle recovery system)

When the clogged nozzle is not resolved by cleaning, the defective nozzle is substituted by working nozzles automatically.

2 ways of NRS

- Manual input by operator: Max. 10 nozzles per 1 nozzle line.
- Automatic input by NCU: Max. 16 nozzles per 1 nozzle line.



ETHERNET CONNECTION

• ETHERNET

- In addition to the USB2.0 connection, an Ethernet connection is also available on the UCJV330-160
- It provides convenience by allowing to connect several printers with only one computer
- Installation is simply done by plugging cables into the network



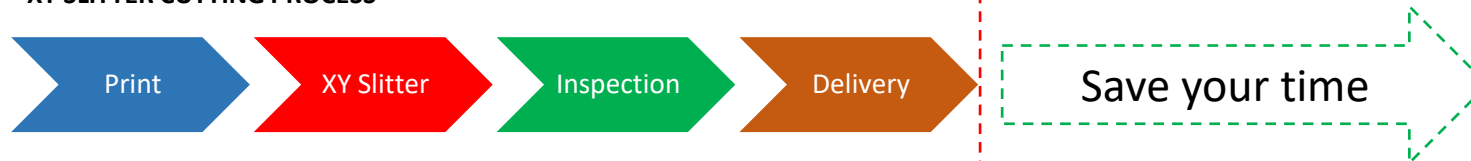
- *Please use CAT6 network cables
- *Connecting by a relaying router is not supported
- *When using Ethernet, please connect the printer and RIP PC in the same network
- *When using a switching hub, please use a 1000BASE-T supported model
- *RasterLink7 can support a maximum of 4 printers
- *Waiting for data can occur, depending on the condition of the network

OPTIONAL ITEM: XY SLITTER

• HIGH PERFORMANCE AUTOMATIC XY SLITTER

- The inline XY slitter is designed to slit printed jobs of different materials rapidly and accurately
- Equipped with digital sensors, it compensates material throughput for misalignment and performs an exact cut
- The XY Slitter is ideal for cutting large quantities of posters, photos, canvas or vinyl

XY SLITTER CUTTING PROCESS



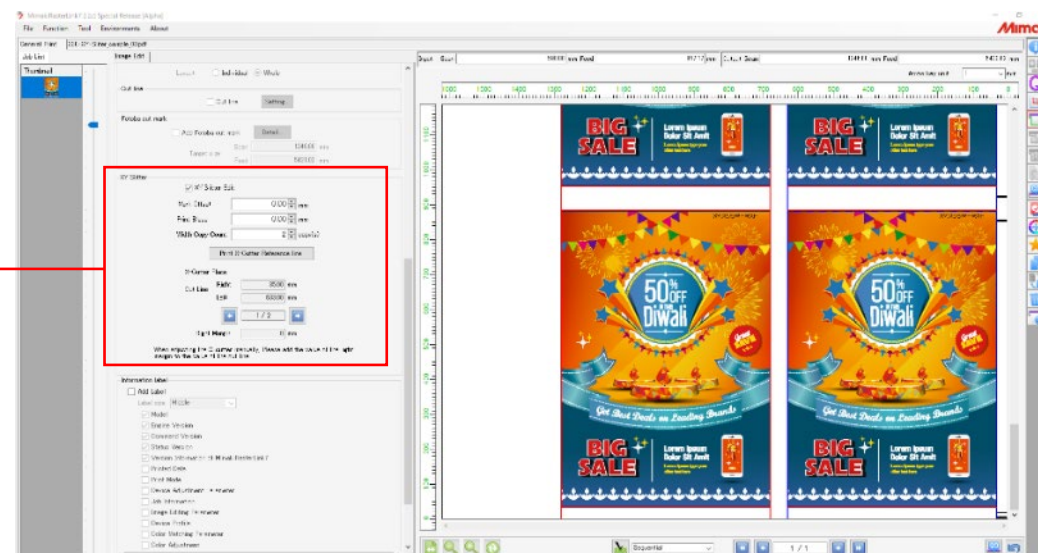
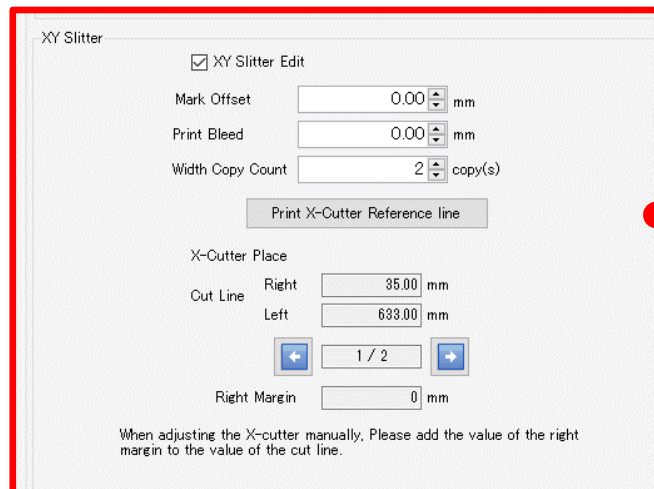
MANUAL CUTTING PROCESS



OPTIONAL ITEM: XY SLITTER

• AUTOMATED PRODUCTION LINE

- XY SLITTER eliminates bottlenecks and speeds up workflow as a secure and accurate print finishing solution
- The XY Slitter cutters use cutting marks from RasterLink7 to trace the edge of the image
- Regardless of any feed misalignment, the XY Slitter will automatically realign itself to the edge of the printed image



OPT-J0532: OPTIONAL X Slitter Assy



SPB-0093: Carbide blade 45°(25L)



OPTIONAL ITEM: XY SLITTER

• XY SLITTER OPERATION FLOW:

1. From the printer menu, select the function SETTING → FINISHER → XY SLITTER

Finisher

- Nothing
- XY Slitter

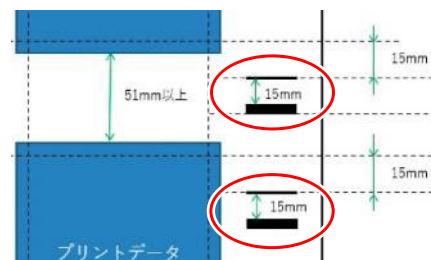
2. Feed the media through the T-Bar and fix it on the Take-Up device

3. Set up the sheet collector or basket at the front of the XY slitter

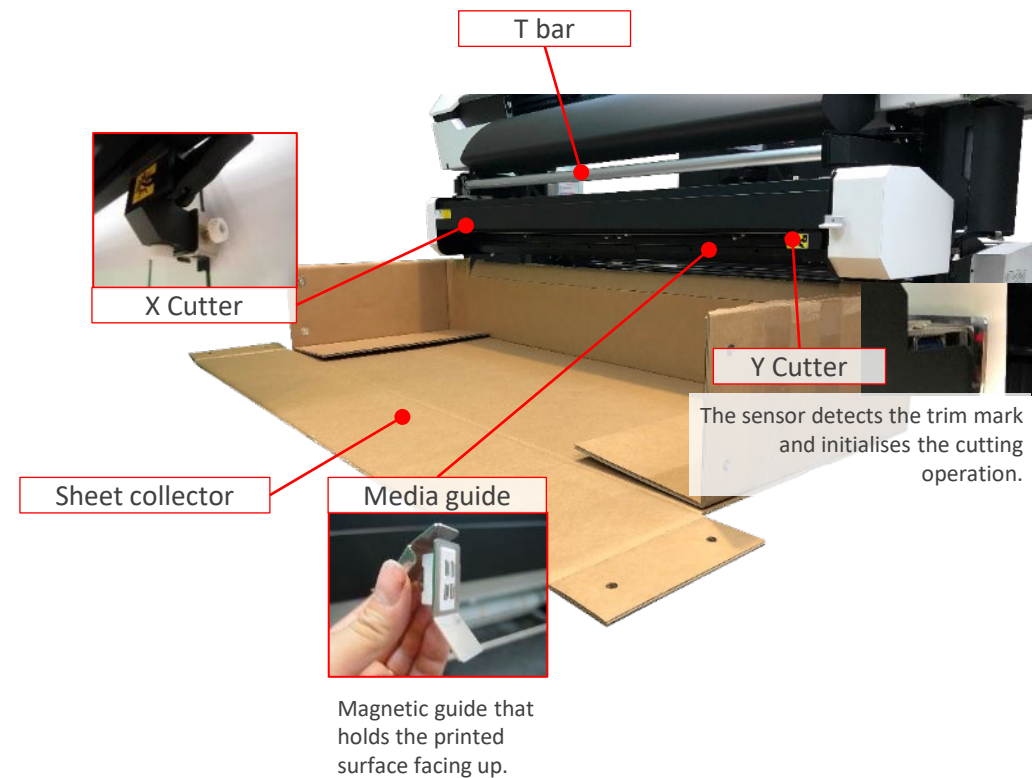
1. You can use the XY Slitter packing box to make a sheet collector

4. Set up the cutting condition and lines on the RasterLink7 screen 

5. Output data from RasterLink7



Trim Mark for XY slit



OPTIONAL ITEM: ROLL CHANGE SYSTEM

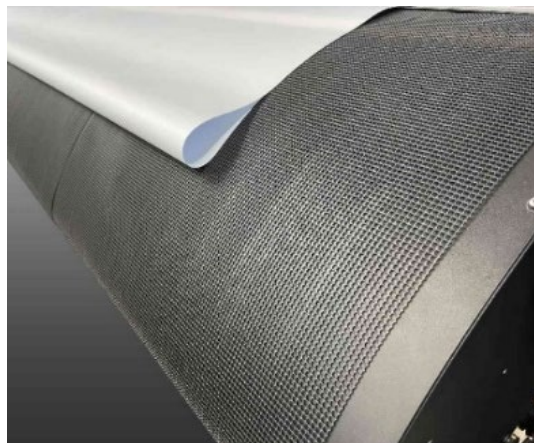
- **SAVE TIME AND MATERIAL WASTE IN YOUR PRODUCTION**
 - The Change System is designed for quick and easy changing of the print media at the feeding side
 - The unique Roll Changer increases flexibility and improves the workflow of digital printing
 - Efficient use of space and storage of printing materials in a safe and compact place
 - The compact design makes it possible to set up three rolls requiring little to no extra space
- **Specification**
 - The maximum acceptable weight: 3 rolls 90kg, 1 roll 45kg
 - The maximum acceptable media width: 1,620mm



VARIOUS OPTIONAL ITEMS - 1

- **Electrostatic Sheet**

Mesh sheets prevent the generation of static electricity and reduces sheet transport failures.



- **Proofing Light**

A light box can be attached to the front of the printer to immediately check the image quality when the backlight is on.



- **Ionizer**

The ioniser prevents ink misfiring and dust adhesion due to static electricity.



- **Deodorizing Unit**

A deodorising unit can reduce UV ink odour by 70%.

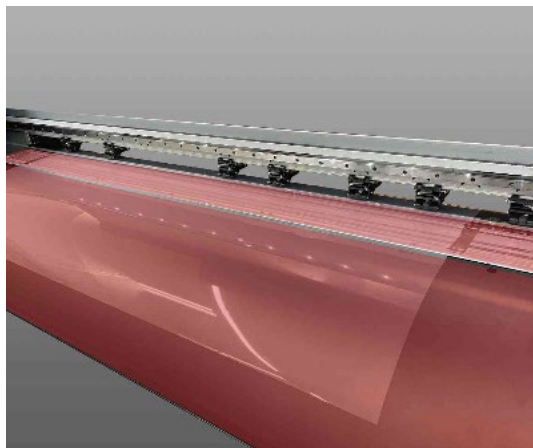


VARIOUS OPTIONAL ITEMS - 2

- Heater Options

A pre-heater at the rear of the printer is standard equipment, while a print heater in the head scan area and a pre-heater at the front of the printer can be added as optional items.

It can improve White ink adhesion for specific media.



- End Face Guide

Corrects for take-up misalignments at both ends of the media.

The smaller size of this new model makes it easier to install and remove the paper tube.



- Level Foot

This can be used when installing in locations that are difficult to level.



- Deodorizing Unit

X-cutter additional blade unit.



SPECIFICATION: UCJV330-160

Item	UCJV330-160
Print head	2 drop-on-demand piezoelectric head; stagger arrangement
Print resolution	Y: 600dpi, 1200dpi; X: 600dpi, 1200dpi, 1800dpi
Drop size	Min: 4pl
Head height	Manual adjustment (2.0/2.5/3.0 mm from platen)
Compatible inks	LUS-170/175 - 4C: CMYK / 4C+SP: CMYKWWCICI / 6C+SP: CMYKLcLmWW LUS-200 - 4C: CMYK / 4C+SP: CMYKWW LUS-190/210 - 4C: CMYK / 4C+SP: CMYKWWCICI
Ink supply	1000ml Ink bottle
Max printing width	1,610mm
Max media width	1,620mm
Media thickness	1.0mm or less
Outside diameter	250mm or less
Inner diameter	2-inch / 3-inch
Roll weight	1 Roll: 45kg or less 3 Rolls: total 90kg or less (When you use optional media roll changer)
Interface	USB2.0 / Ethernet 1000 BASE-T
Body weight	227kg
Dimension (WxDxH)	2,890 / 800 / 1,480mm
Power supply	2 x Single phase (AC100~120/200~240V +/- 10%, 50/60Hz +/- 1Hz)
Power consumption	Max: 2 x 1.44kW or less; Std: 2 x 750W; Min: 4,5W
Safety Standards	IEC 62368-1 compliant ETL, CB, CE (EMC Directive, Low Voltage Directive, Machinery Directive, RoHS Directive) REACH, VCCI Class A, FCC Class A, KC, RCM, UKCA, EnergyStar

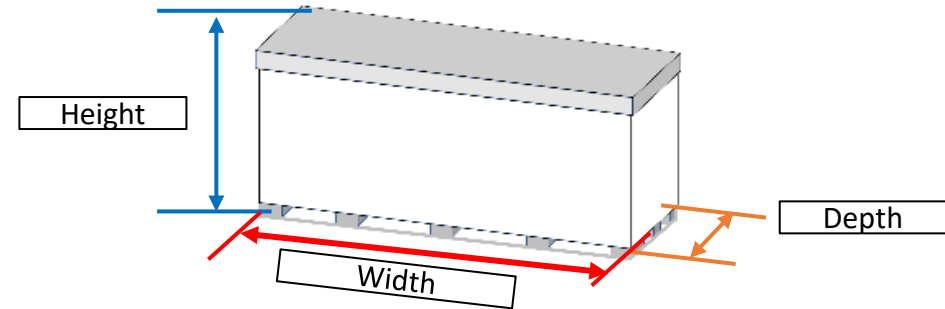
SPECIFICATION: OPTIONAL XY SLITTER

Item	XY SLITTER
Blade used	X direction: SPA-0046 Carbide blade 45 degrees Y direction: SPA-0107 Cutter Blade Assy
Media holding mechanism	Grid roller + pinch roller (common with CG)
Media Cut	X direction: The cutting unit can be fixed at any position on the Y-beam section and cut in conjunction with the X-feeder. Y direction: Detects crop marks and cuts with a cut command.
Media feed	Automatic feed by detecting the tension bar position (independent control from the feed on the printer side)
X slit	Cut position: User-defined position (manual placement) Cutting width from media edge: 25mm minimum Cutting accuracy: +/- 2mm or less for 2m long cut / +/- 5mm or less for 30m long cut (Excluding the effect of media skew. (Excluding the effect of media skew. The X cut width should be symmetrical to the media width.)
Y slit	Cut position: 15mm from the mark in the feed direction Cut width: Data width + 5mm at both ends (TBD) Cutting accuracy: +/- 2mm max.
Cutter blade durability	X: Carbide blade 4,000 or more (for photo paper) * To prolong the life of the cutter blade, it is recommended to remove the cutting edge before use. Y: 5,500 or more (for photo paper)
Applicable media type	Vinyl chloride/ transfer paper/ photo paper/ window film (not tarpaulin or FF)
Max. Media thickness	Maximum 1mm
Media size	Media set position: right reference set or center reference set Media width: 1,620mm
Print data	Max. data width: 1,570mm (max. media width 1,620mm - min. margins 25mm on both sides) Minimum data width: A4 portrait (210mm x 297mm) Minimum distance between data: X 25mm / Y 30mm

PACKING AND INSTALLATION

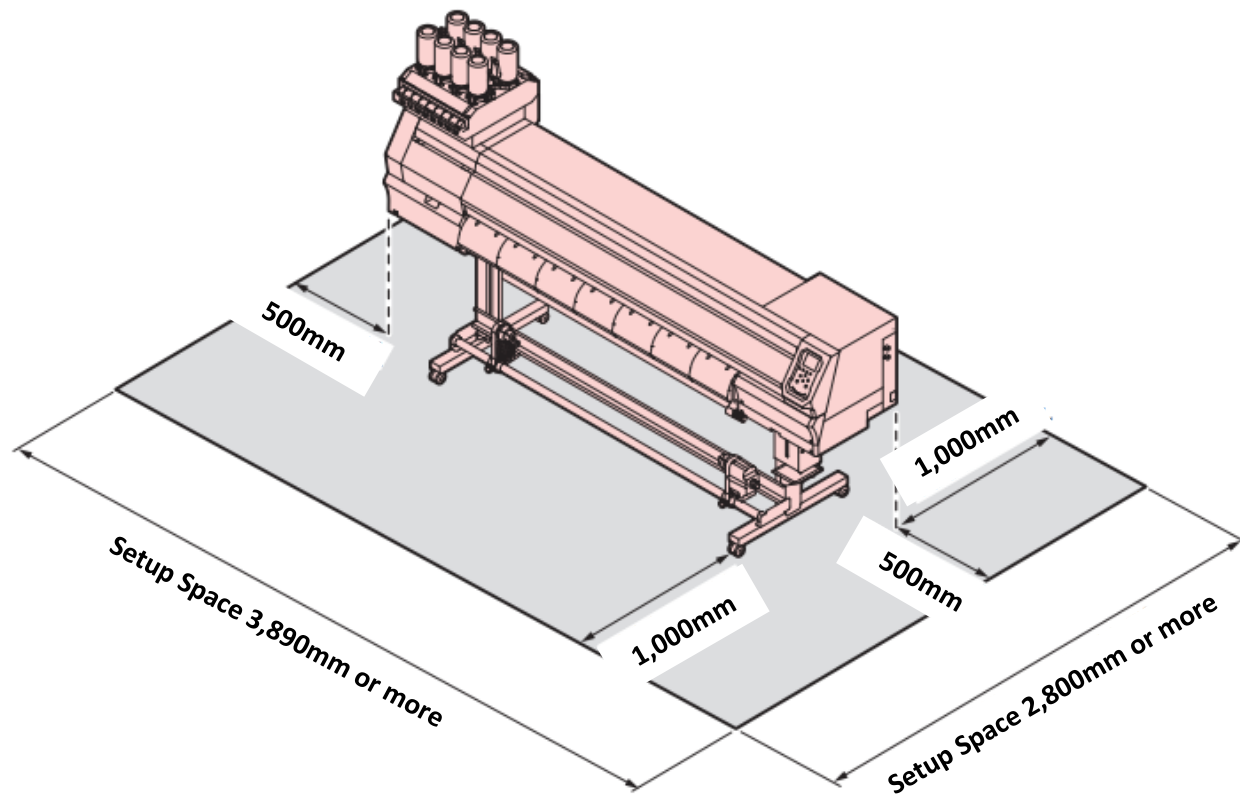
- Packing Specification

Item		JV330-160	Included
PRINTER	Width (W)	3,570mm	<ul style="list-style-type: none">• Printer Main Unit• Printer Legs• Printer Accessories• Waste Ink Tank• Paper Tube
	Depth (D)	1,145mm	
	Height (H)	950mm	
	Weight	310 kg	



PACKING AND INSTALLATION

- Required installation space



* The space for a PC is required separately.

* For maintenance purpose, a space of 500mm or more is required around the machine.

APPENDIX

- XY Slitter media compatibility
- Print guide for Window film
- Print guide for clear ink
- Notes for LUS-190/210 ink
- Certificates
- Ink supplies
- Consumables
- Options

XY SLITTER MEDIA COMPATIBILITY

- The following media have been tested by Mimaki and confirmed to be compatible with the XY slitter:

Material	Type	Manufacturer	Product name	Result	Remarks	
PET	PET	Natura	Solvent Backlit 200 Gloss	OK		
	Transparent PET	Lintec	LAGJET EZ2000	OK		
PVC	Cast	DryTac	Polar Cast Air Gloss	OK		
		Polymeric	ORAFOL	3551G-101	OK	
			ORAFOL	3165G-010	OK	
	Monomeric	Arlon	DPF 4500GLX	OK		
		Mimaki	PWS-G	OK		
		Mimaki	PWS-M	OK		
		3M	IJ1220	OK		
		DryTac	Polar Choice White Matte	OK		
		DryTac	Polar Choice White Gloss	OK		
		Avery	MPI3003	OK		
Ritrama	RI-JET 100 GLOSS WHITE HOP	OK				
NESCHEN	EasyDotClear	OK				
PVC Free	PVC Free	Orafol	ORAJET 3172XG-010	OK		
Paper	Photo paper	Mimaki	Solvent Photo paper	OK		
Tarpaulin	Tarpaulin	Hiraoka	SJT-V200F	NG	Media jam occurs	

Test condition:
 Print resolution:
 600x1200dpi 8p
 Image size (X x Y): 847 X 598mm

These are the results of an internal test performed by Mimaki and do not guarantee performance in a real production environment.
 We recommend to perform the cutting test in a real environment before starting production.

PRINT GUIDE FOR WINDOW FILM - 1

- White ink expands the application range for window decoration
- Notes on application of window film printed with LUS-170:
 - The water can get cloudy when a printed surface with LUS-170 is repeatedly rubbed by squeegees, since the surface of the ink is rubbed off
 - Wipe the water so that the water does not leave marks
 - The quality of the image is not affected
 - To prevent the water from getting clouded, it is recommended to use the squeegees with rollers



Window decoration









Back side



Restaurant decoration

Test results of different application methods:

	1	2	3	4	5	6
Test Results	OK	OK	OK	OK	Slightly gets cloudy	Likely to get cloudy
Squeegee type	Roller Squeegee With soft rubber 	Roller Squeegee With hard rubber 	Roller Squeegee With hard rubber 	Roller Squeegee With PP 	Squeegee With sponge 	Squeegee With rubber 

Print Condition

1. Printer: UCJV300-160
2. Ink: LUS-170
3. Resolution: 600×600dpi/16Pass
4. Media: E-2200ZC (LINTEC)

Test Method






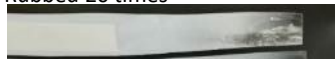
1. Applied the window film on the acrylic board and rubbed it 20 times with water (including 0.5% mild acidity detergent)
2. Printed white ink patches of 0 – 100 % gradation.

*The applied water leaves marks when it dries, but the marks can be removed by wiping it with Bemcot soaked with water.

PRINT GUIDE FOR WINDOW FILM - 2

- It is recommended to test the glass cleaner in advance and confirm the ink is not removed, or apply the laminate film to protect the printed surface
- Do not use a glass cleaner that contains abrasive, since it might damage the ink layer

Test results of different cleaners:

#	Product Name	PH	Abrasive	LUS-170	LUS-200
1	Glass Magiclean	Mild Alkaline	No	OK No Change	OK No Change
2	Gekiawa Glass Cleaner	Alkaline	No	OK No Change	OK No Change
3	Clean & Repel	Mild Acidity	No	OK No Change	OK No Change
4	Uroko Cleaner	Acidity	No	OK No Change	OK No Change
5	AJAX Triple Action	-	No	OK No Change	OK No Change
6	Putz-meister	-	No	OK No Change	OK No Change
7	Hand Cleaner SUGOI	Neutrality	Inorganic Particle	NG Rubbed 10 times 	NG Rubbed 10 times 
8	Compound for Glass	Mild Alkaline	Mild Impact: Large Hard Impact: Small	NG Rubbed 20 times 	NG Rubbed 20 times 
9	Glass Refresh	Mild Alkaline	Mild Impact: Large Strong Impact: Middle Hard Impact: Small	NG Rubbed 20 times 	NG Rubbed 20 times 

Print Condition

1. Printer: UCV300-160
2. Ink: LUS-170/LUS-200
3. Resolution: 600×600dpi/16Pass
4. Media: E-2200ZC (LINTEC)

Test Method

1. Applied the undiluted cleaner on the ink film and left it for one minute
2. Rubbed it 100 times with non-woven fabric

PRINT GUIDE FOR USING CLEAR INK

- Recommended setting for printing with clear ink
- To achieve better quality with Clear ink, please print using the following print mode:

UCJV330-160

Glossy Printing

Resolution	Pass	Print direction	High speed print
1200 × 1200 VD	16	Bi-direction	Yes
1200 × 1800 VD	24	Bi-direction	Yes

Matte Printing

Resolution	Pass	Print direction	High speed print
600 × 600 VD	16/24/32	Bi-direction	Yes
1200 × 1200 VD	16/24/32	Bi-direction	Yes
1200 × 1800 VD	24/32	Bi-direction	Yes

Things to keep in mind when printing with Clear Ink

Ink Density

When printing clear, the recommended ink density depends on the substrate and the resolution.

[For glossy clear printing]

If the density of clear ink is too high, stripes may appear at regular intervals on the print surface.

If this phenomenon is encountered, please print with lower density.

[For matte clear printing]

If the density of clear ink is too high, unintended stripes or gloss may occur.

If this phenomenon is encountered, please print with lower density.

LUS-190 / LUS-210 WHITE INK ADHESION AND FLEXIBILITY

- White LUS-190 / LUS-210 prints may have less adhesion and flexibility when printed on specific materials compared to colour inks
- Materials such as PET and acrylic must be tested for results in advance

LUS-190 / LUS-210 white ink adhesion and flexibility test details

Test materials / Print Resolution			720x900		1200x1200	
Manufacturer	Model	Type	Folding test	Cross cut test score	Folding test	Cross cut test
Lintec	EZ-2200ZC	Transparent PET	Peels off / crack	8	Peels off / crack	10
Mimaki	LX Film	Backlit film	OK	8	OK	10
Nitie	NIJ-UTS	Transparent PET	Peels off / crack	7	Peels off / crack	10
3M	IJ900F	Polyvinyl chloride	OK	10	Peels off / crack	10
3M	IJ8150	Polyvinyl chloride	OK	10	Peels off / crack	10

Cross cut test details:

- Score: 1 worse, 10 best
- Cross-cut test: JIS-K5600-5-6
- Cross-cut the printed material with a cutter, peel it off with adhesive tape, and score it by in-house evaluation.

Folding test details:



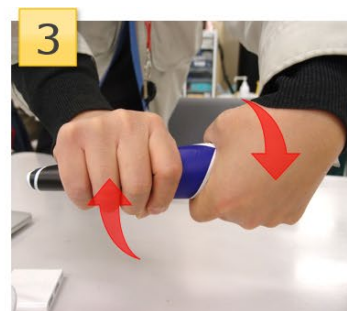
Test pattern



Round the printed surface inward



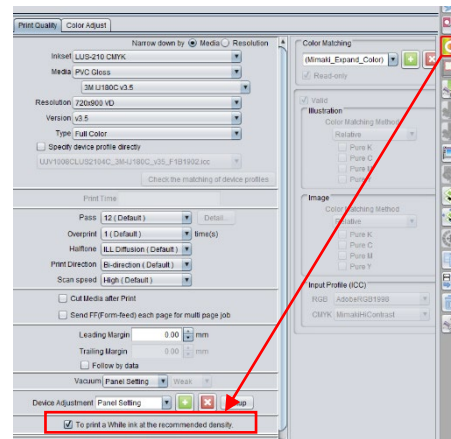
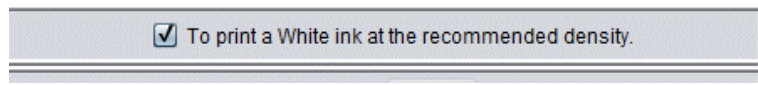
Round the printed surface outward



Compress like squeezing a towel

LUS-190 / LUS-210 WHITE INK: INCREASE THE ADHESION AND FLEXIBILITY

- To increase the adhesion and flexibility when printing with LUS-190/LUS-210 white ink, use the RasterLink setting "To print a white ink at the recommended density"
- This setting uses the least amount of white ink to achieve the desired result

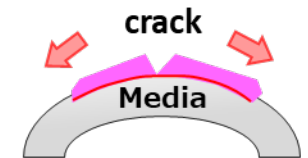


- What causes the ink to crack
 - Cracks are caused by tension between the applied layers and substrate that occurs during mechanical loading
 - This phenomenon mostly occurs if there is insufficient adhesion between the different layers
 - In extreme cases, layers can peel off

Sufficient adhesion



Insufficient adhesion



NOTICE ABOUT CONTRA VISION® ORS™

- Contra Vision Ltd is the owner of certain patents for See-through Graphics™ (Contra Vision® ORS™), one-way vision and other see-through graphic products.
- Producing the one-way vision or perforated window film simulation using multilayer technology might violate the patents.
- When producing the one-way vision or perforated window film simulation, graphic manufacturers need a license and can register and obtain a license online at: www.contravision.com “Online Licensing”

CERTIFICATES

- **GREENGUARD Gold Certification for LED-UV inks**

- Mimaki LED-UV inks LUS-170 and LUS-200 are GREENGUARD GOLD certified.
- Products that are GREENGUARD GOLD certified meet rigorous standards for low emission of volatile organic compounds (VOCs) and ensures that a product is acceptable for use in environments such as schools and healthcare facilities.



- **3M™ MCS™ Warranty Program for Finished Graphics**

- 3M warrants to the Distributor, Graphics Manufacturer and End User for whom a graphic was produced that each 3M Product will be free of the defects listed and manufactured to the specifications described in the applicable Product Bulletin, in effect, at the time of purchase.



- **ICS Performance Guarantee**

- The ICS Performance Guarantee assures the performance of Avery films with a printing platform when customers are working according to the relevant Avery Dennison Technical Bulletins associated with that product.



SUPPLY ITEMS: INK

Part No.	Description	Volume	Packaging	Remarks
LUS17-**-BA	LUS-170 UV Curable Ink 1L Bottle	1,000ml	Bottle	M, C, Y, K, Lc, Lm, W and Cl
LUS20-**-BA	LUS-200 UV curable ink 1L bottle	1,000ml	Bottle	M, C, Y, K, and W
ML007-Z-BA	Maintenance Fluid 07 (1L bottle)	1,000ml	Bottle	For cleaning of ink lines
ML015-Z-B1	Maintenance Fluid 15 (100ml bottle)	100ml	Bottle	For maintenance of printer
ML015-Z-K1	Maintenance Fluid 15 Kit			

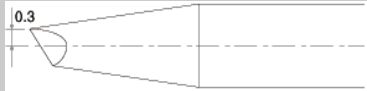
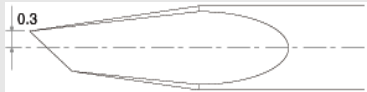
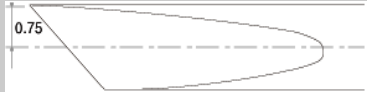


SUPPLY ITEMS: CONSUMABLES 1

Part No.	Description	Remarks
A101437	BEMCOT M-3	100 pcs.
A101438	Cotton swab 6 wooden shaft "S	1,000 pcs.
SPA-0001	Cutter Holder for Eccentricity	(Standard accessories)
SPA-0090	Cutter Holder for Eccentricity	
SPA-0107	Cutter Blade Assy	
SPA-0166	Pinch roller set of 4	
SPA-0167	Pinch roller set of 3	
SPA-0169	Pen Adapter	For pen attachment (Standard accessories)
SPA-0207	Kim Wipes S-200	200 pcs.
SPA-0246	Square waste ink tank 2L	1 pce.
SPA-0248	Exhaust box	3 pcs.
SPA-0249	Exhaust box filter	9 pcs.
SPA-0348	LED glass S Assy	
SPA-0342	Cap G Assy	
SPA-0333	Cap absorbent set	
SPA-0334	Cap absorber (single item)	
SPA-0825	3-inch paper tube 130	
SPA-0296	UCJV cap absorber set	Incl: Cap cover(Sponge incl.), gloves, Replacement Procedure
SPA-0319	Cap Bv2 packing Assy	
SPB-0001	Swivel Blade for PVC sheet (3pcs.)	
SPB-0003	Swivel Blade for small letters (3pcs.)	
SPB-0006	Swivel Blade for reflecting sheet (2pcs.)	
SPB-0007	Swivel Blade for fluorescent sheet (3pcs.)	
SPB-0030	Swivel Blade for PVC with low-pressure (3pcs.)	(Standard accessories)
SPB-0093	Carbide blade 45	

SUPPLY ITEMS: CONSUMABLES 2

Part No.	Description	Remarks
SPC-0919	Cloth Wiper G Kit	
SPC-0826	3-inch paper tube 160	
SPC-0820	Bottle Wipe Filter Set	
SPC-0527	Clean stick for around head	50 pcs.
SPC-0908	330 End-face guide film	
SPC-0770	Penline Rubber 300/150-160	
SPC-0771	Penline Rubber 300/150-130	
SPC-0775	Penline Sponge 300/150-160	
SPC-0776	Penline Sponge 300/150-130	
SPC-0819	Mist filter set	

SUPPLY ITEMS: CUTTING BLADES

Code	Name	Shape	Characteristic
SPB-0001	Swivel Blade for PVC sheet	 <p>Offset : 0.3mm</p>	Blade for PVC. The standard blade for cutting adhesive-backed sheet like vinyl. The blade is hardly broken while higher cutting pressure is required.
SPB-0003	Swivel Blade for small letters	 <p>Offset : 0.3mm</p>	Blade for PVC. Suitable to cut small letters sized 20mm or less.
SPB-0006	Swivel Blade for reflecting sheet	 <p>Offset : 0.75mm</p>	Blade for reflecting sheet. Good durability due to titan coating.
SPB-0007	Swivel Blade for fluorescent sheet	 <p>Offset : 0.5mm</p>	Blade for fluorescent sheet.
SPB-0030	Swivel Blade for PVC with low-pressure	 <p>Offset : 0.3mm</p>	Blade for PVC. The standard blade for cutting adhesive-backed sheet vinyl. Cutting pressure can be set lower than SPB-0001. * Standard accessories

