

PRODUCT GUIDE

Mimaki



JV100-160

ENTRY LEVEL 1,6M SOLVENT ROLL TO ROLL PRINTER

11-08-2021

V1.2EU

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CONCEPT

WHY JV100-160

- Respond to the market demands
 - A **competitive device**
 - **Best performance at lowest running costs** in the solvent, sign market printing sector
 - **Advanced technology at entry level price**
 - **Fast drying inks**
- Meet the needs of entry-level customers
 - Prints **high quality** on a **variety of media**
 - **Customized production in small series**
 - **Perfect entry-level sign printer**
- Optimal market match
 - Available in **two different models** for developed and emerging countries



FEATURES AT GLANCE

• AUTOMATED PRINT PRODUCTION

- DAS for automatic bi-directional print adjustment
- NCU and NRS for stable and uninterrupted operation
- Media jam sensor preventing damage to print heads, a head strike or media jam
- Automatic wiper cleaning function

• PRINT

- Max. printable width 1610mm
- Max. print speed of 62,9 m²/h on tarpaulin at 360x600 dpi*

• HEADS

- 2 newly developed print heads arranged in stagger mode
- Resolution up to 1200dpi
- Variable dot printing, starting from 4pl droplet
- MAPS4

• INK

- 2 newly developed fast drying solvent inks**
- AS5 mild solvent ink with additional Orange and Light inks for photographic expression
- CS250 mild solvent available as CMYK, low cost ink for price sensitive markets focused on maximum production speed

• NEW SOFTWARE

- Redesigned, powerful RasterLink 7 comes standard
- Supports variable data print and PDF transparency
- Higher productivity, faster processing and easier operation

*The maximum speed might differ depending on media and expected print result.

** Ink availability depends on the region.

PRODUCT SPECIFICATIONS

JV100-160 is available in two different designs

- **JV100-160B:** a bottle model that supports 1L ink bottle
- **JV100-160C:** a cartridge model that supports 600ml ink pack and 2L ink pack*

* A separate option "OPT-J0364 MBIS3 Bulk Supply Unit" is required.



Bottle model
JV100-160B



Cartridge model
JV100-160C

JV100-160B: BOTTLE MODEL

LARGE INK SUPPLY SYSTEM

- CS250 solvent ink
- 4c ink set for fast print
- Available in 1L bottle

DOT ADJUSTMENT SYSTEM, DAS

Automatic bidirectional print calibration and media feed correction adjustment

DUAL PRINT HEADS

2 new heads in staggered mode for high quality print

Color LCD Panel

Easy setup and control

USB2.0& ETHERNET

Multifunctional connection

NOZZLES MONITORING

NCU and NRS for automatic heads maintenance

Media Take-Up System

Intuitive roll-to-roll media handling with winding capacity up to 45kg

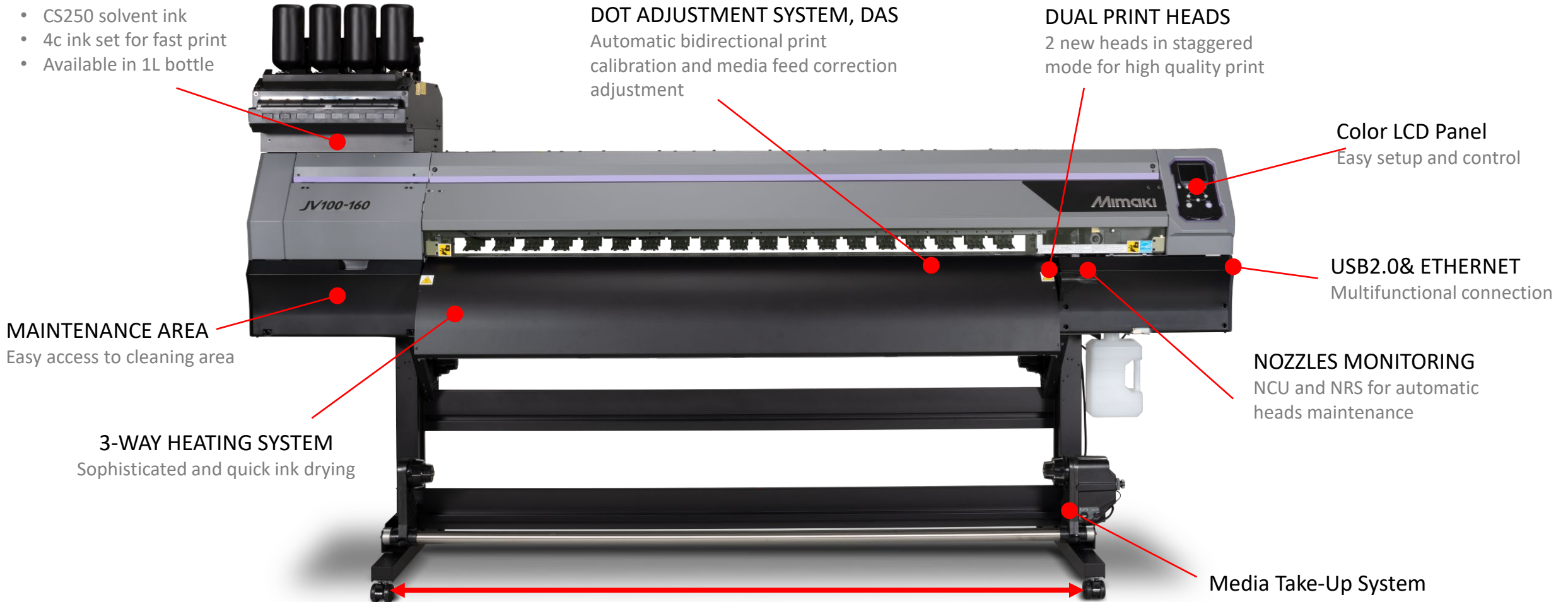
MAINTENANCE AREA

Easy access to cleaning area

3-WAY HEATING SYSTEM

Sophisticated and quick ink drying

JV100-160B: 162cm



JV100-160C: CARTRIDGE MODEL

LARGE INK SUPPLY SYSTEM

- Supports AS5, SS21 and BS4 inks
- Up to 8c ink set
- 600ml eco-cartridge or 2L bag*
- Uninterruptable Ink Supply**

DOT ADJUSTMENT SYSTEM, DAS

Automatic bidirectional print calibration and media feed correction adjustment

DUAL PRINT HEADS

2 new heads in staggered mode for high quality print

Color LCD Panel

Easy setup and control

USB2.0& ETHERNET

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NCU and NRS for automatic heads maintenance

Media Take-Up System

Intuitive roll-to-roll media handling with winding capacity up to 45kg

MAINTENANCE AREA

Easy access to cleaning area

3-WAY HEATING SYSTEM

Sophisticated and quick ink drying

JV100-160C: 162cm

* A separate option "OPT-J0364 MBIS3 Bulk Supply Unit" is required.

** UISS works in 4-C set

SYSTEM CONFIGURATION

Standard configuration

JV100-160



&
Raster Link 7

Output / Status

USB 2.0*
Ethernet*



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

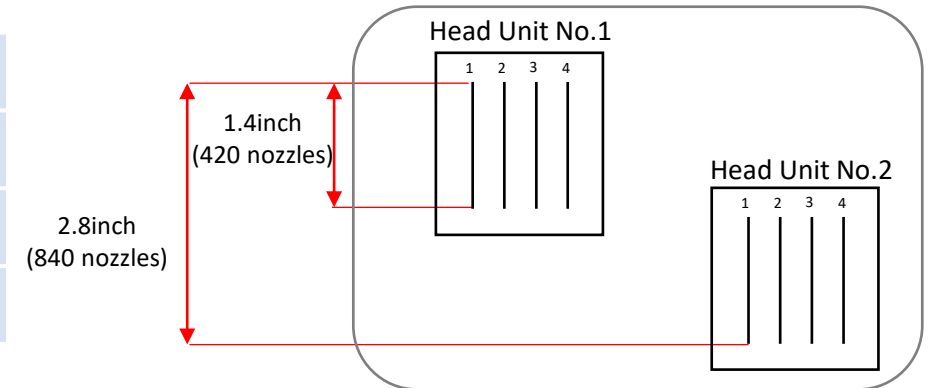


Works with: PS, EPS, TIFF, BMP, JPEG, etc.

* USB 2.0 and Ethernet cannot be used simultaneously.

LATEST PRINT HEAD TECHNOLOGY

Amount of Heads	2
Nozzle Configuration	420 nozzles arranged in 4 lines
Print Resolution	Up to 1200dpi
Droplet Size	Starting from 4pl

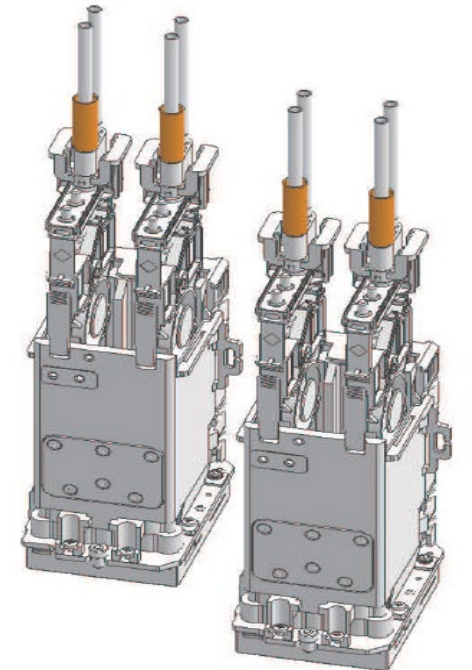


Variable Dots

- Higher Image Quality
- Low grains
- Excellent gradients

High Durability

- Industrial Graded Print Head
- Piezo technology
- Low long-term costs



INK CONFIGURATION: JV100-160C

- Ink type: SS21, AS5 and BS4 solvent ink
- Color sets:
 - 4-C (CMYK) for productivity
 - 8-C for reliable, photographic-quality outputs

Ink	Colours	Supply	Ink set							
BS4	Dual CMYK	600ml Eco Cartridge 2000ml ink bag*	M	C	Y	K	M	C	Y	K
AS5	Dual CMYK	600ml Eco Cartridge 2000ml ink bag*	M	C	Y	K	M	C	Y	K
	CMYK LcLmLkOr		M	C	Y	K	Or	Lk	Lc	Lm
SS21	Dual CMYK	2000ml ink bag*	M	C	Y	K	M	C	Y	K
	CMYK LcLmLkOr		M	C	Y	K	Or	Lk	Lc	Lm

- Ink supply:
 - 600ml ECO ink pack (AS5 & BS4)
 - 2000ml ink bag* (All inks)



600ml ink pack



2000ml ink pack

* A separate option "OPT-J0364 MBIS3 Bulk Ink Supply Unit" is required

INK CONFIGURATION: JV100-160B

- Ink type: CS250 solvent ink
- Color sets:
 - 4-C (CMYK) for productivity

Ink	Colours	Supply	Ink set							
CS250	Dual CMYK	1000ml ink bottle	M	C	Y	K	M	C	Y	K

- Ink supply:
 - 1000ml ink bottle

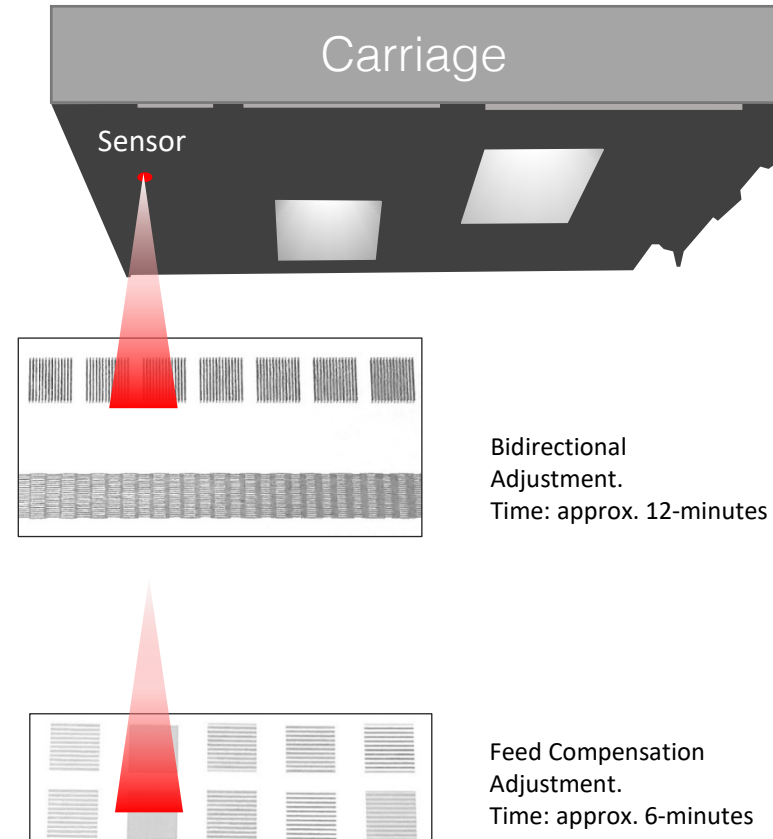


1000ml ink bottle

DAS: DOT ADJUSTMENT SYSTEM

PRINTING AUTOMATION WITH DOT ADJUSTMENT SYSTEM

- **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 dot placement accuracy bi-directionally
 - Eliminates the need for manual adjustments per individual media type
- **Automatic media feed adjustment**
 - Always optimal media feed preventing horizontal color banding
 - Assures highest print quality
 - Eliminates manual feed correction and improves overall productivity



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)

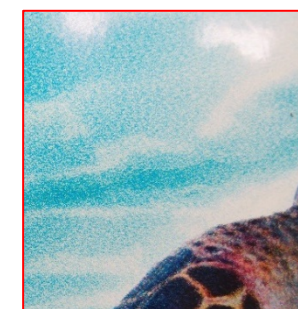
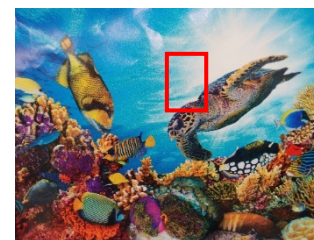
• Important notices when use DAS

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

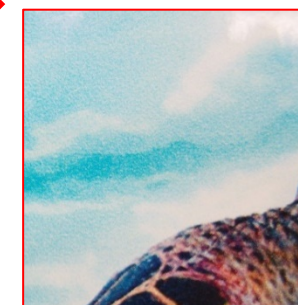
Feed correction pattern



Drop position correction pattern

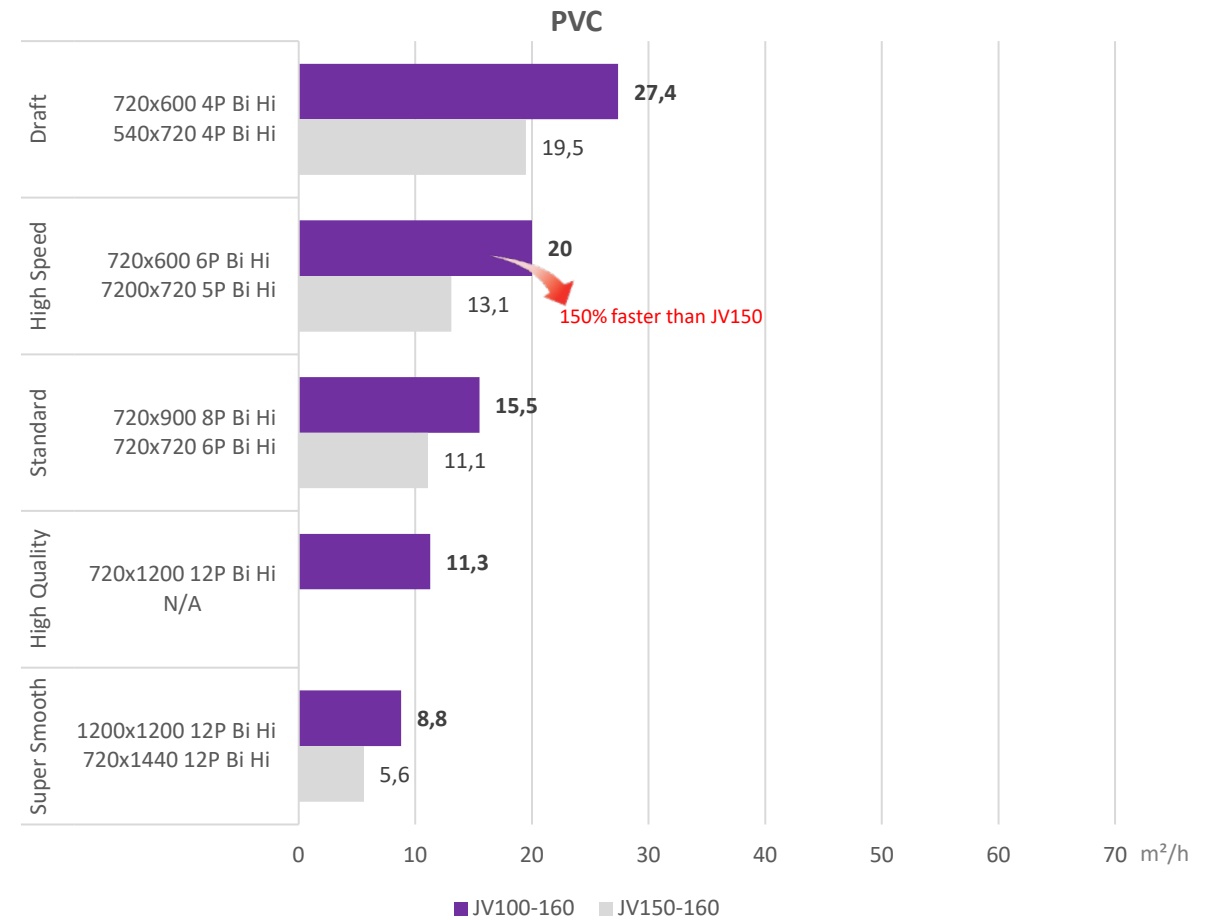
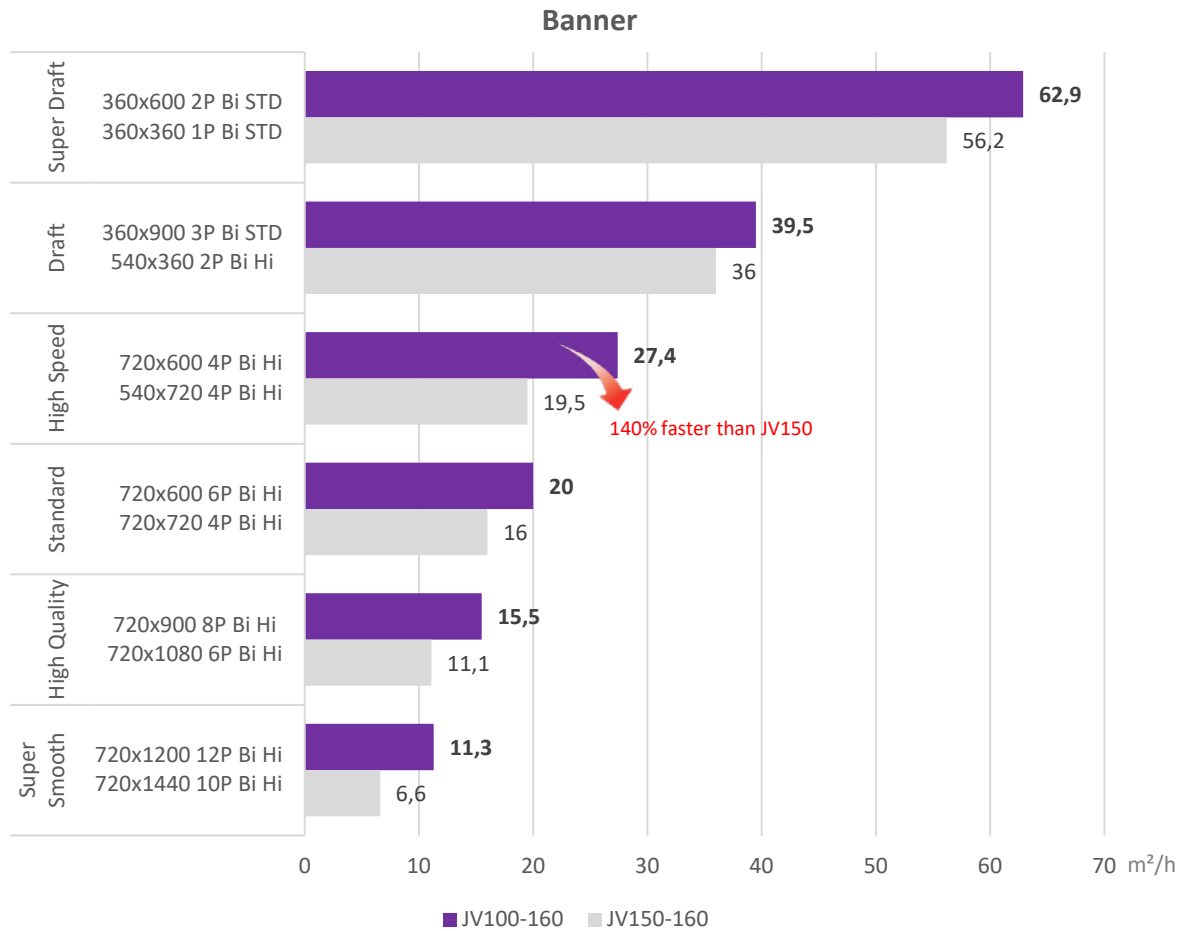


Before DAS execution



After DAS execution

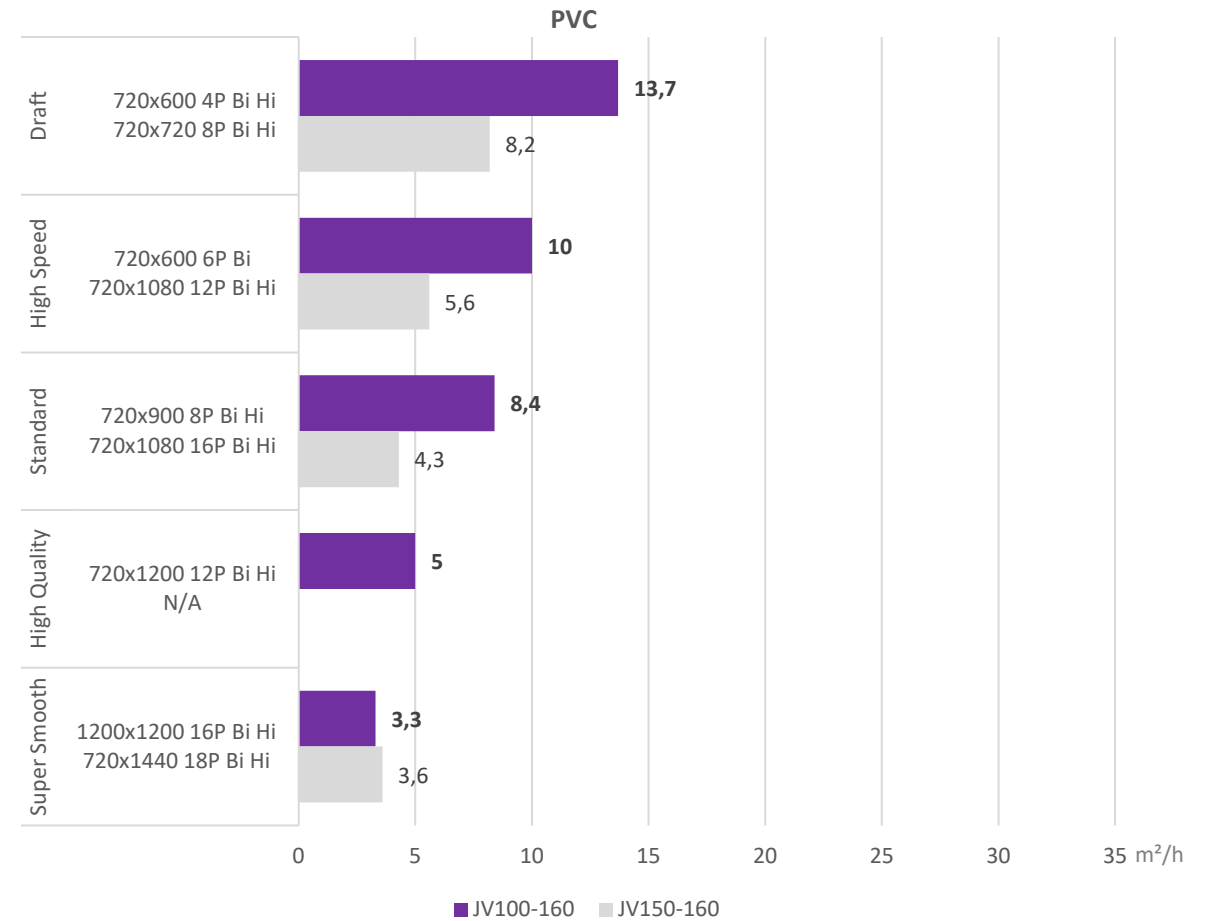
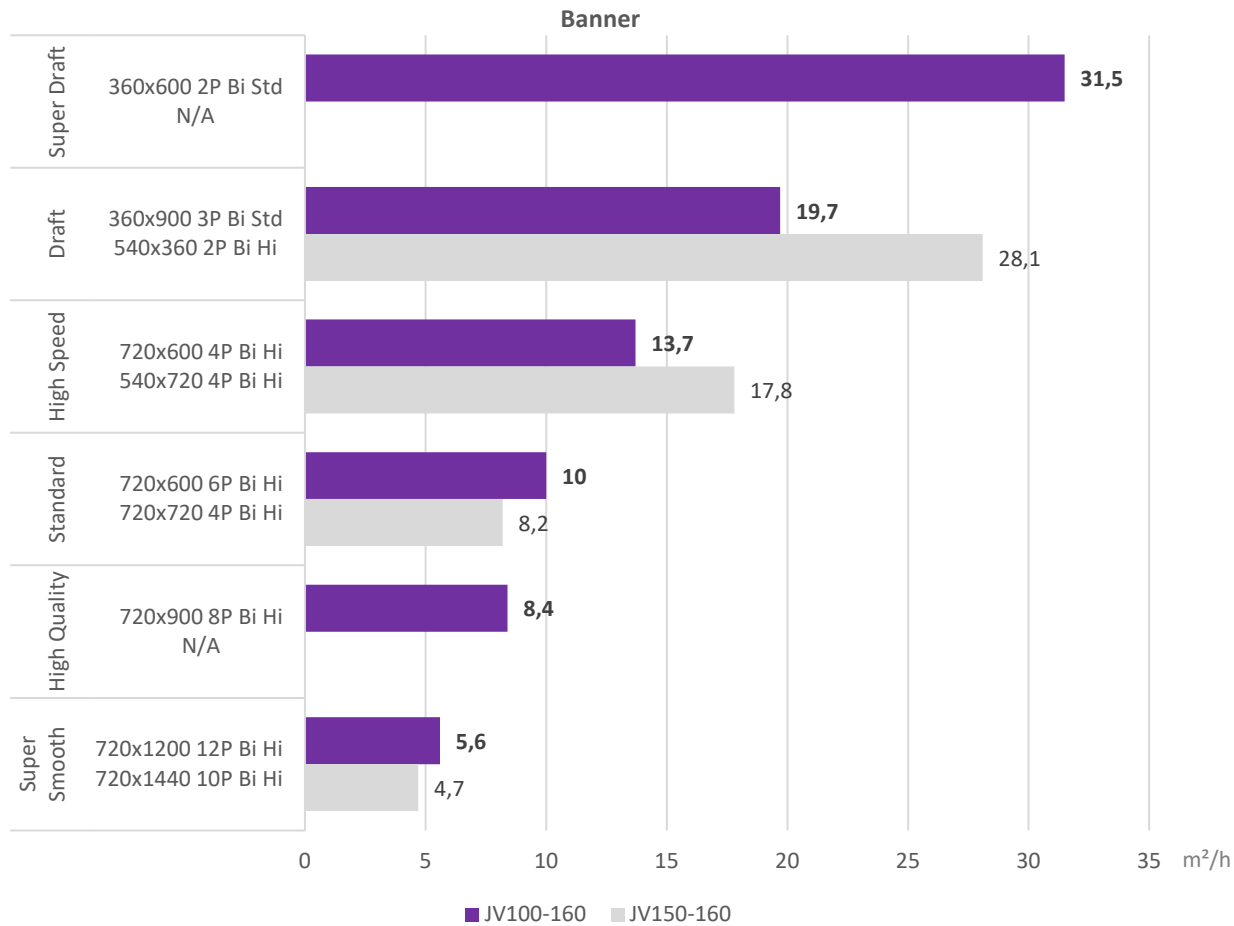
PRINT SPEED: SS21/AS5/BS4/CS250 4C INK SET



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: SS21/AS5 8C INK SET

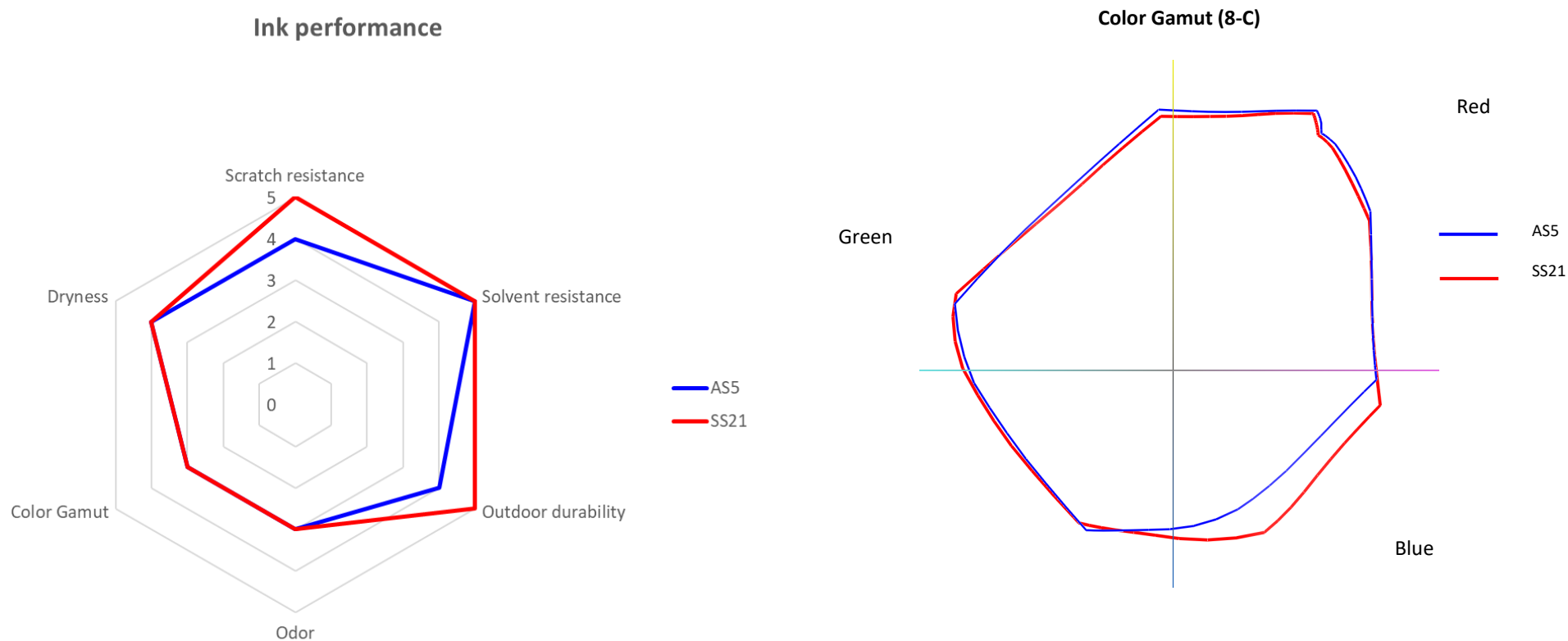


The print modes shown in this document are the performance of the printer itself.

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.

NEW: AS5 MILD SOLVENT INK

- Fast drying and efficient ink
- Orange and Light black mild solvent inks are added for significant color gamut improvements



Ink performance comparison AS5 to SS21 ink

AS5 INK: WEATHERABILITY SPECIFICATION

- Scratch and solvent resistance of AS5 ink is comparable to SS21 ink

Test	AS5 (JV100)	SS21 (JV150)
Rubbing resistance ^{1*}	4,5	5,25
Alcohol resistant ^{2*}	96%	98%
Water resistant ^{3*}	100 rounds	100 rounds
Adhesiveness ^{4*}	10	10

Test Details:

- Media: Avery MPI2001
- Printer
 - AS5: JV100-160
 - SS21: JV150-160

1 *: The printed surface is rubbed with sandpaper at a constant speed and weight using a Gakushin friction tester. The degree of peeling is observed when the printed surface is moved back and forth 5 times and evaluated with a score of 1-10 points (maximum score: 10 points). Gakushin = Japanese Society for the Promotion of Science

2 *: The cotton swab is impregnated with ethanol solution and pressed 10 times on the printed surface to dissolve the ink.

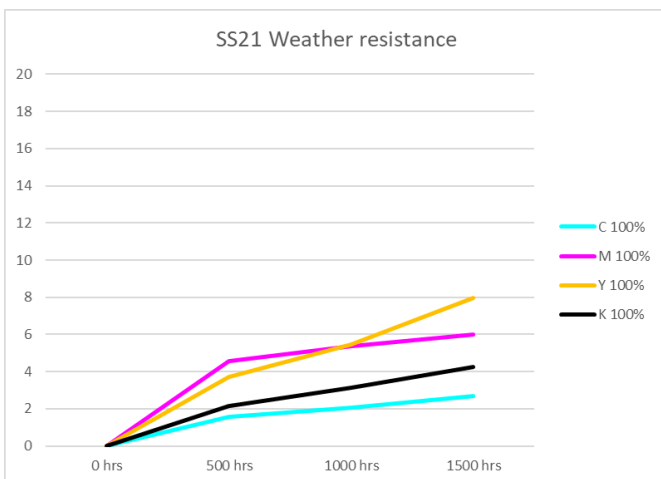
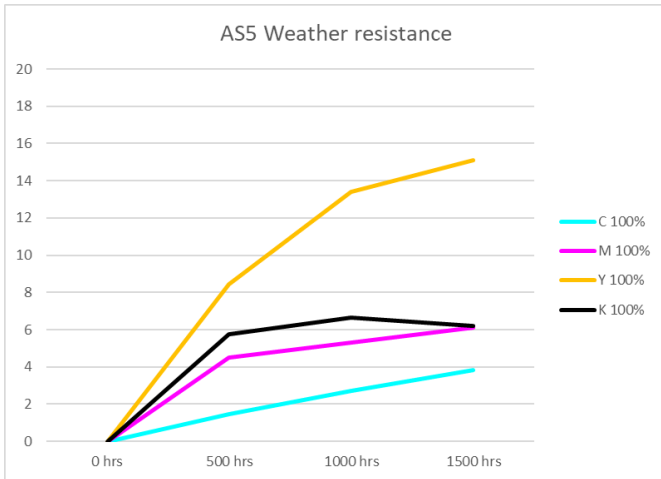
3 *: Number of pressures (up to 100 rounds) on the printed film with cotton wool dipped in water before the ink peels off the foil.

4 *: The printed surface cut in the X shape is taped and the amount of ink that peels off the foil is checked (maximum score: 10 points)

The above results are based on the internal evaluation. The same result in actual production is not guaranteed. Even if the substrate is of the same type, the adhesion may differ depending on the production or brand. Advance testing is recommended.

AS5 INK: WEATHERABILITY SPECIFICATION

- Weather resistance of AS5 ink is comparable to SS21 ink



Test Details:

- Weather Resistance Test Conditions: ISO Compliant Atlas Accelerated Test
- Evaluation without lamination, the result of measuring the color difference after the specified time with a colorimeter (X-rite measuring instrument)
- Estimated: 1,560 hours = 1 year
- Evaluation Media: Avery Dennison MPI2001
- RIP: Mimaki RasterLink6Plus

The results above is based on the internal evaluation. The performance is not guaranteed.

Even if the substrate is the same type, adhesion may differ depending on its manufacture or brand. It is recommended to test it in advance.

AS5: INK CONSUMPTION

Media	Banner	Glossy PVC
Print mode	360x600 ,2P, Bi	720x900, 8P, Bi
Ink consumption (ml)	10,34	13,67
Print speed (m2/h)	62,9	15,5



ISO300/N2A

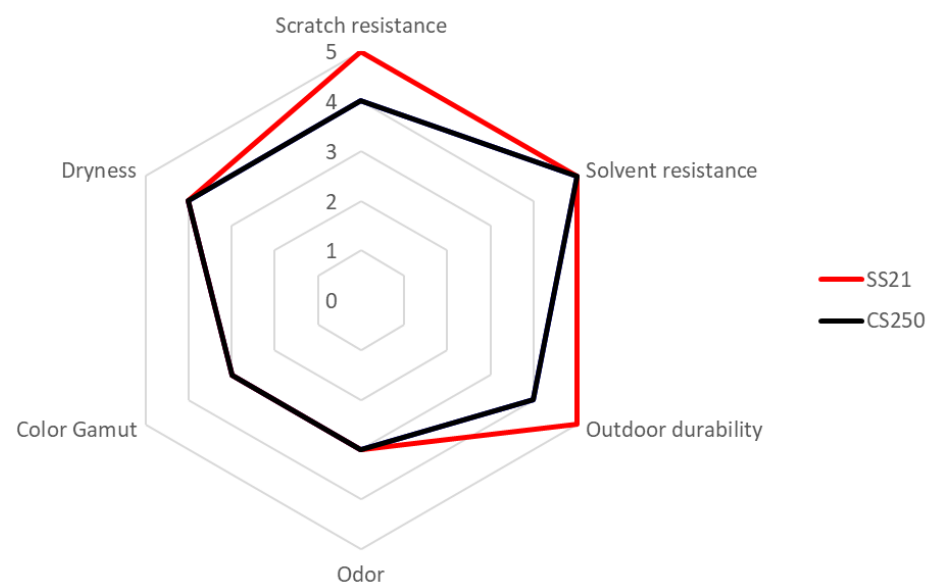
Conditions:
 Image: ISO300/N2A
 Size : A0 (1118mmx894mm)
 RIP: RasterLink7
 Print setting: Default
 Glossy PVC: Generic PVC Gloss
 Tarpaulin: Generic Tarpaulin

*Ink consumption is different by different profiles

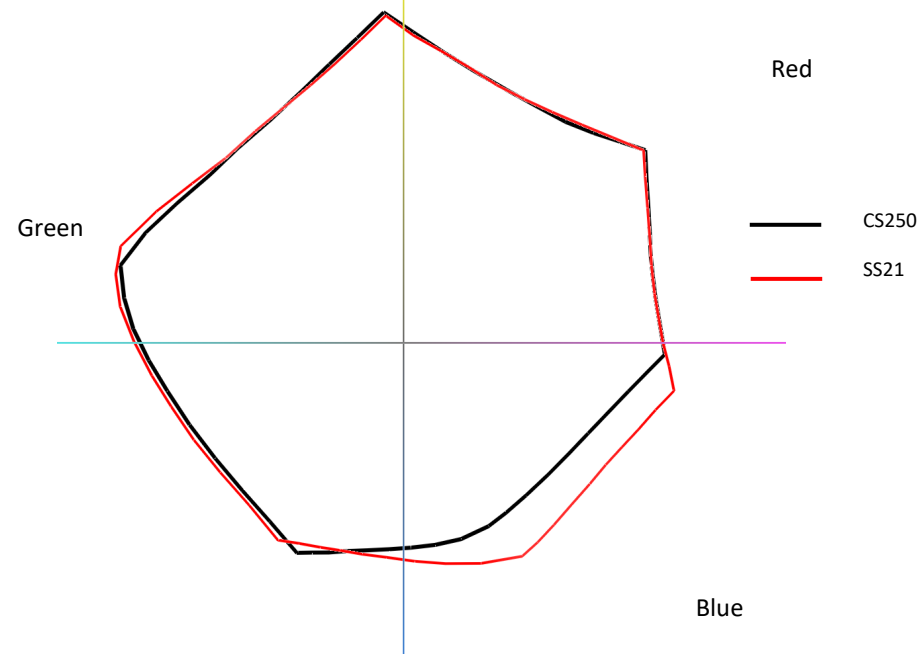
NEW: CS250 MILD SOLVENT INK

- Competitive fast drying ink
- Excellent color reproducibility

Ink performance



Color Gamut (4-C)



Ink performance comparison CS250 to SS21 ink

OPTIONAL DEODORIZING SYSTEM

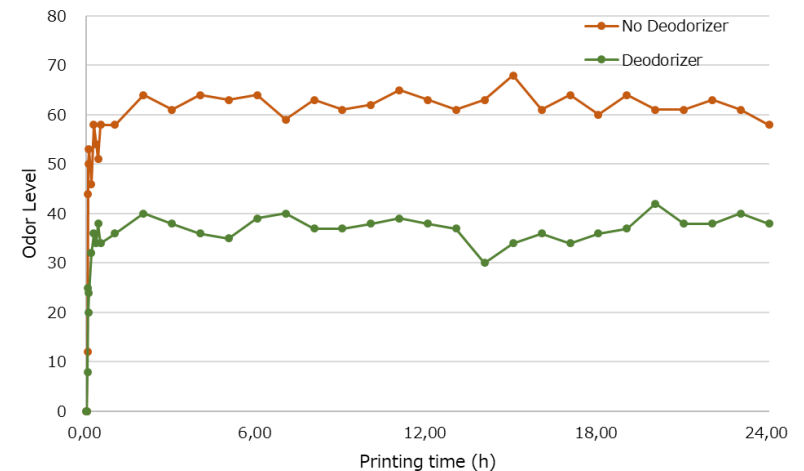
- The odor of AS5 and CS250 inks is in the same range as SS21 ink
- Odor can be further reduced by using an optional deodorizing system, which can be connected to existing room ventilation
- By adding a deodorizing system to the JV100 you can further reduce ink odor by up to 44%



Position	Optional Item	Description	NOTE
1	OPT-J0351	DRYING FAN 160	Eternal Drying fan for 160 series OPT-J0512 Dry FAN Connection Kit is required for installation
2	OPT-J0512	DRYING FAN CONNECTION KIT	Required for installation of OPT-J0351
3	OPT-J0353	EXHAUST KIT 160	Exhaust unit for 160 series OPT-J0351 Drying fan 160 is required for installation



Deodorize system installed on 160 series.



Odor measurements details

600ML ECO PAC

- Mimaki mild solvent inks are now available in economical 600ml package
 - The new 600ml ink pack lowers ink costs compared to the previous 440ml pack.
 - In addition, the higher ink capacity reduces the need to replace the cartridge, making it more efficient and economical.
 - Mimaki eco cases are reusable and intended to hold the larger 600ml ink bags.



Reusable ECO Case



600ml ink pack installed in ECO Case

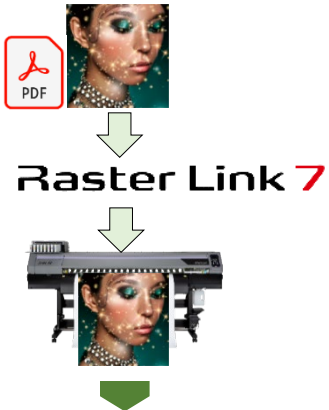
NEW ADVANCED PRINTING SOFTWARE: RASTERLINK 7

NEW functions in RasterLink 7

1. **NEW** Accurate PDF printing with Transparency
2. **NEW** Variable data printing
3. **NEW** 25% faster RIP time for PDF files
4. **NEW** User Interface maximizes the screen efficiency

1

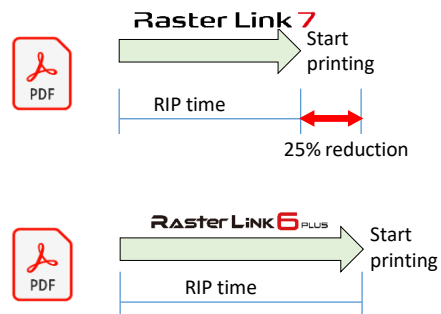
New HARLEQUIN RIP core for faster handling of PDF files with drop shadows and transparencies



Transparency will be printed accurately.

2

Up to 25% faster processing of complex PDF files thanks to a new powerful RIP core.



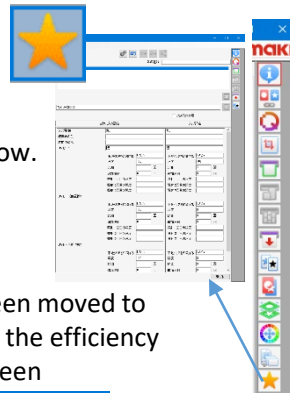
3

Variable Data Printing allows users to easily create a series of digital prints with dynamic variations of text and photos

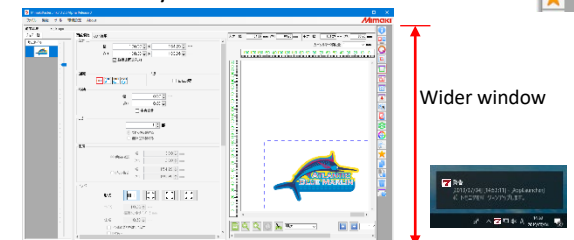


4

Print condition can be added in Favorite window.



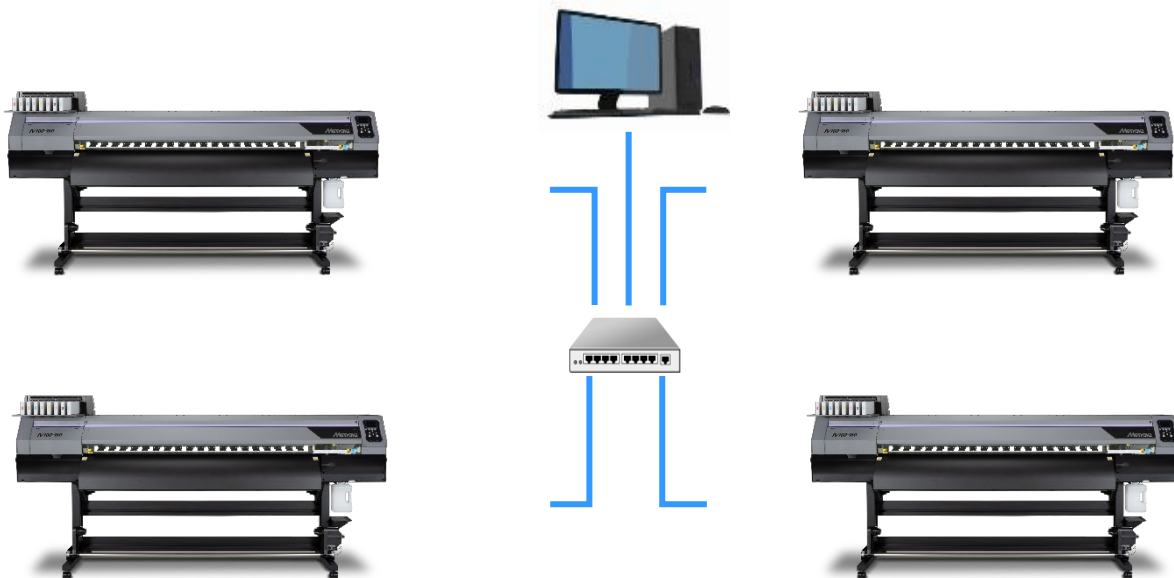
The log window has been moved to the taskbar, increasing the efficiency and usability of the screen



ETHERNET CONNECTION

- Ethernet

- In addition to the USB2.0 connection, an Ethernet connection is also available on the JV100-160.
- It provides convenience by allowing to connect several printers with only one computer.
- Installation is just done by plugging cables into the network.

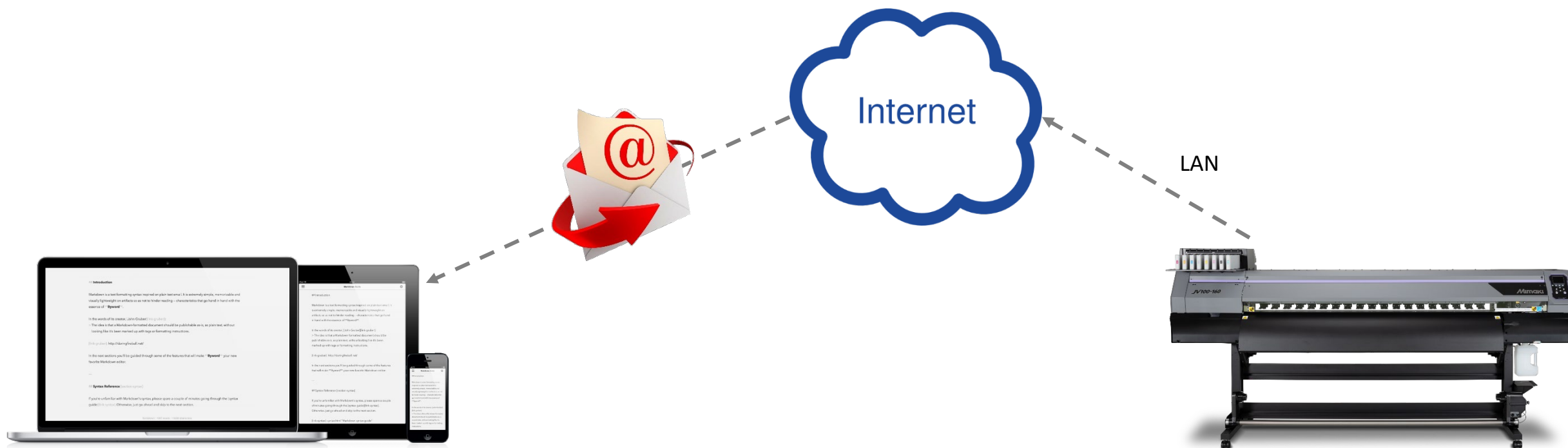


- *Please use CAT6 network cables
- *Connecting by a relaying router is not supported
- *When using Ethernet, please connect the printer and RIP PC in the same network
- *When using a switching hub, please use a 1000BASE-T supported model
- *RasterLink7 can support maximum 4 printers.
- *Waiting for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

E-MAIL NOTIFICATION

• In-Printer e-mail Notification Technology

- If your JV100-160 is connected to an internet network, you can enable automatic e-mail notifications to an active e-mail address
- Notifications include Print-start, Print-end, Errors, Warnings, and other events
- No specific software or computer is required, the printer handles everything



CONTINUOUS OPERATION

• Ink Supply Systems

• UISS (Uninterrupted Ink Supply System)*

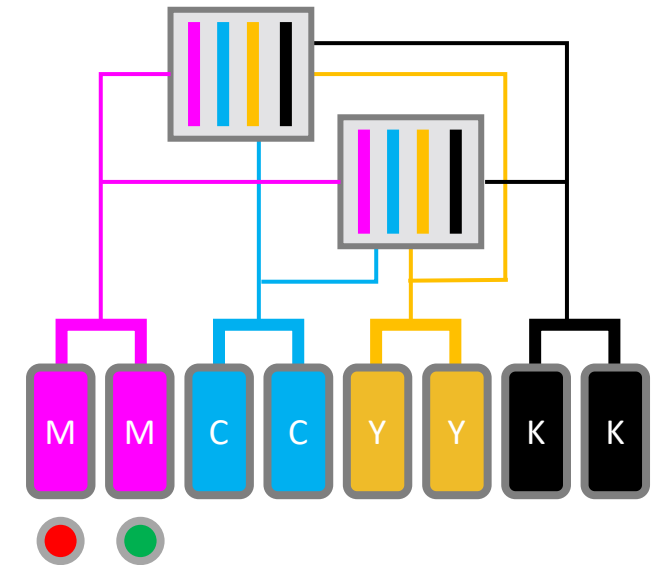
- In 4c ink set, when the ink runs out, ink is automatically supplied from the other cartridge for continuous operation
- Not available with 8C ink set

• Non-stop ink replacement

- Working with the 4c ink set, an empty ink cartridge can be replaced with a new one, without stopping or interrupting the on-going print job
- No waste of time and media or ink
- Not available with 8C ink sets

• Optional MBIS3 (Mimaki Bulk Ink System 3)**

- Large volume 2L ink packs are placed directly on the ink station
- Making it possible to print continuous large jobs
- The new MBIS3 on the printer saves working space, and large 2L ink pack saves running cost



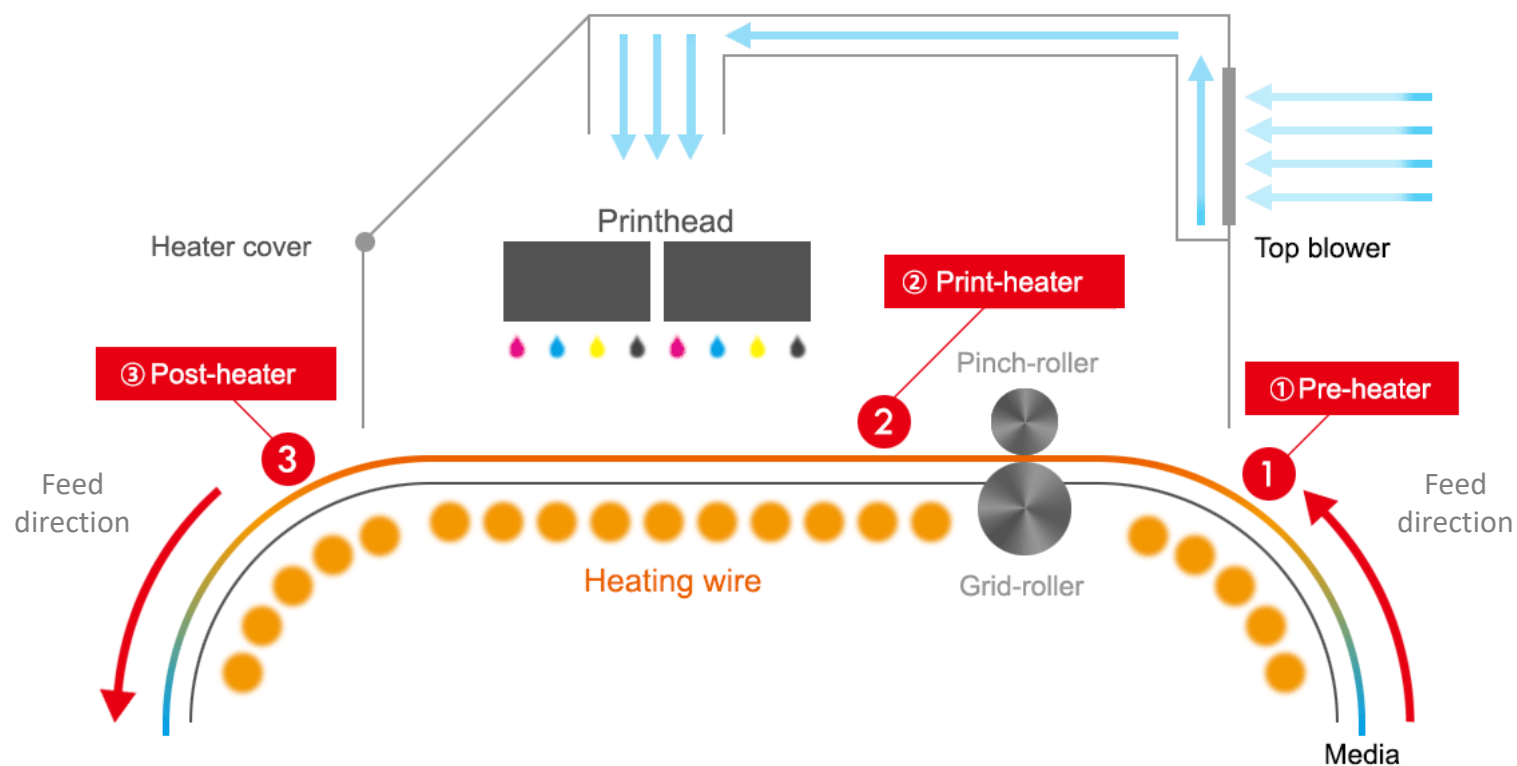
Uninterrupted Ink Supply System

*Available on JV100-160C model and 4c ink set

** Available for JV100-160C model

UNIFORM MEDIA DRYING

- A Mimaki-patented, 3-way intelligent heating system results in uniform ink drying across the width of the printer, assuring even image quality.
 - Pre-heater: Heats media to the optimum temperature before printing.
 - Print heater: Dries ink after it lands on media before it bleeds, improving color development.
 - Post-heater: Enhances ink drying and achieves stable take-up.
 - Top blower: Air blower supports drying of ink.



3-way Intelligent Heater patent No.

Japan	4889059
USA	8.444.262
China	ZL 200910222559.8

OPTIMIZED WORK EFFICIENCY

- Highly visible design of the machine
- Color LCD control panel
 - Display size of 52.56mm x 70.08mm
 - Allowing easy setup and control
- Status LED
 - LED status lamp indicates the status of the printer
 - Easy to see from an distance



Various information is displayed in a graphical manner, such as media width, heater temperature and remaining ink



Status LED

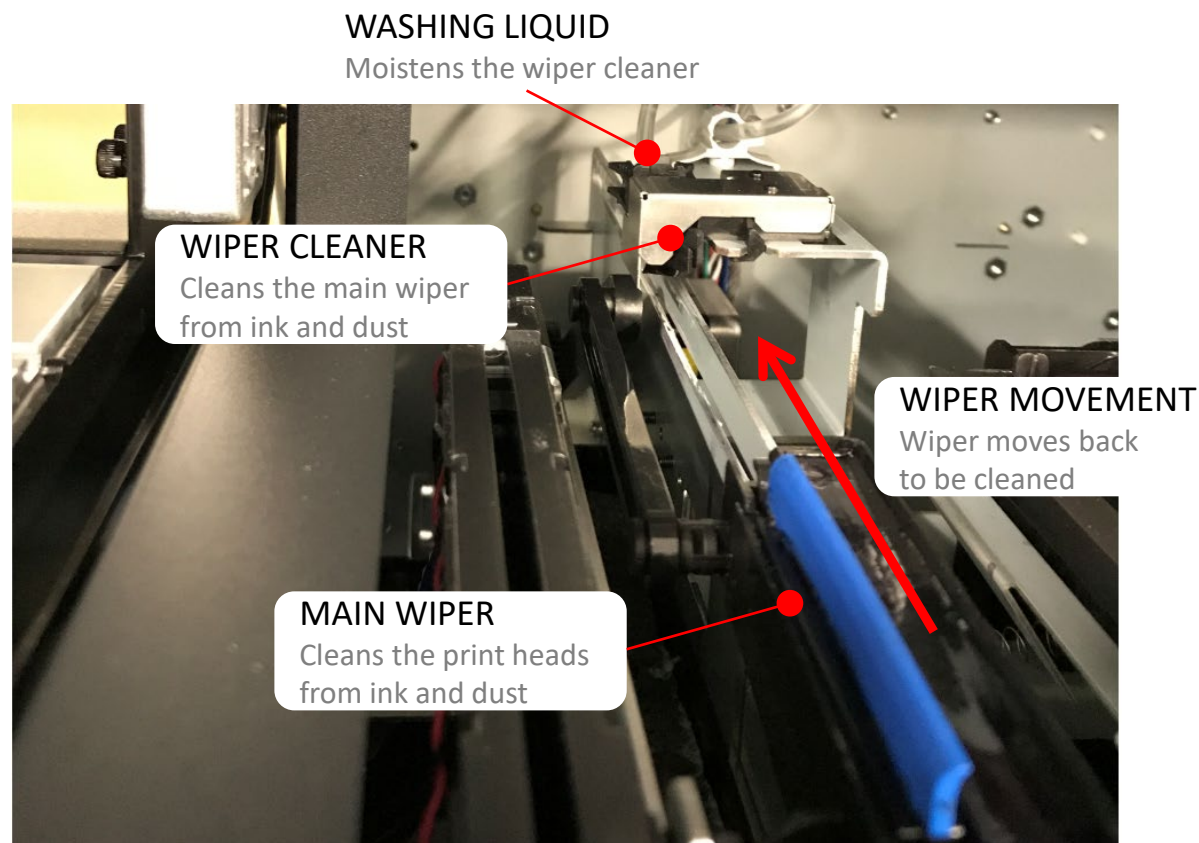
Blinking in Blue: Normal operation

Blinking in Red: Needs attention

CONTINUOUS OPERATION

• Automatic Wiper Cleaning

- The ink residue on the wiper is automatically removed during the print head cleaning procedure
- The result is no contamination of the print head due to ink residue from the wiper and an optimal nozzles condition
- Easier daily maintenance as the wiper is cleaned automatically



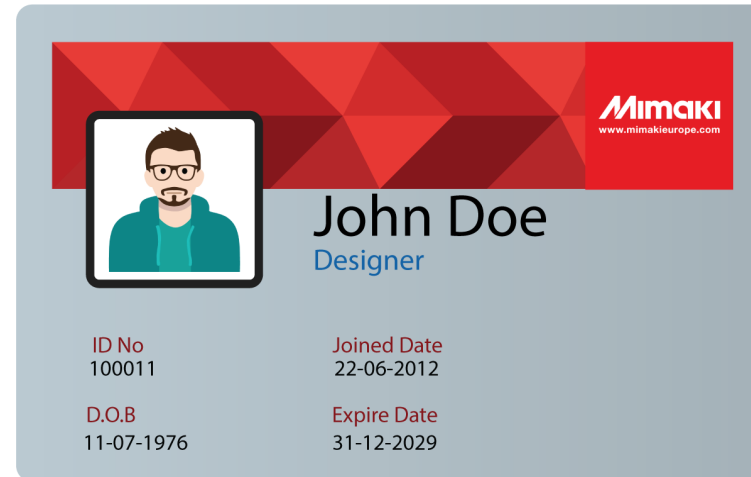
ID CUT FUNCTION: MAKES PRINT & CUT EASIER

- Prevent mistakes in cutting processing
 - 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 the time and material waste.

- Workflow

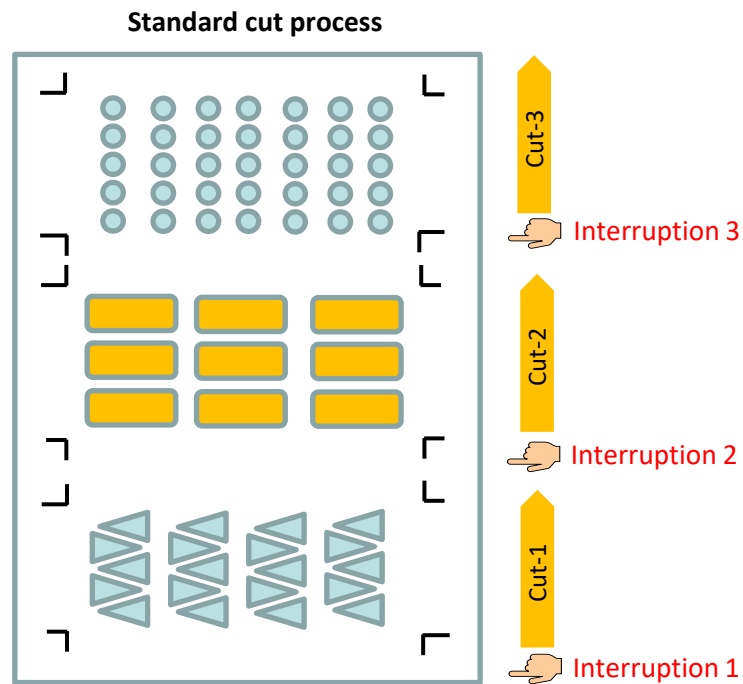
- RasterLink7 prints the ID code along with the image
- ID code includes cutting and rotation information
- The crop mark sensor reads the ID code and automatically executes cutting

ID CUT →

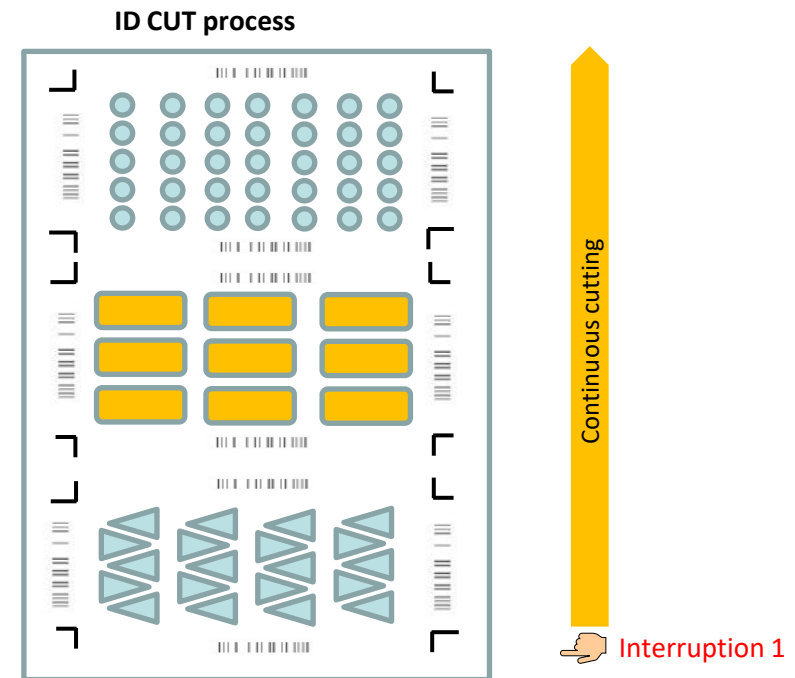


ID CUT FUNCTION: MAKES PRINT & CUT FASTER

- Multiple cutting jobs without interruption
 - Reduce the need for operator's intervention and interruption between multiple cutting jobs
 - Prevents mistakes, saving material and speeds up the process



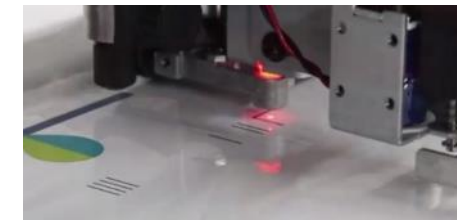
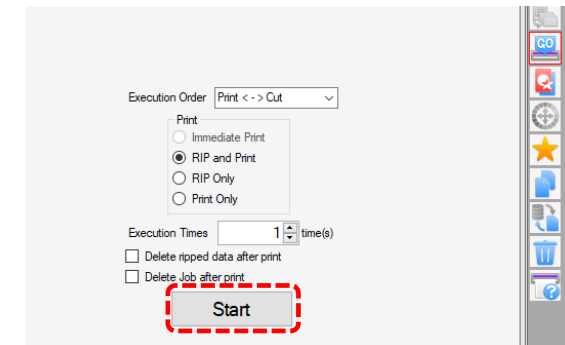
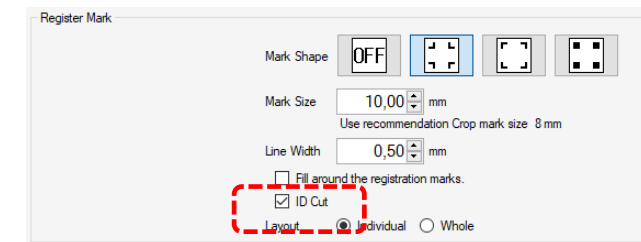
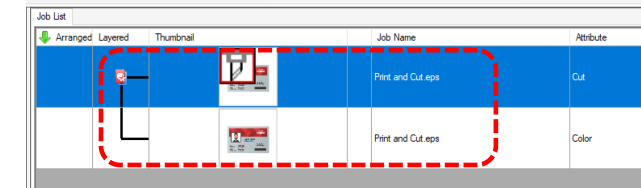
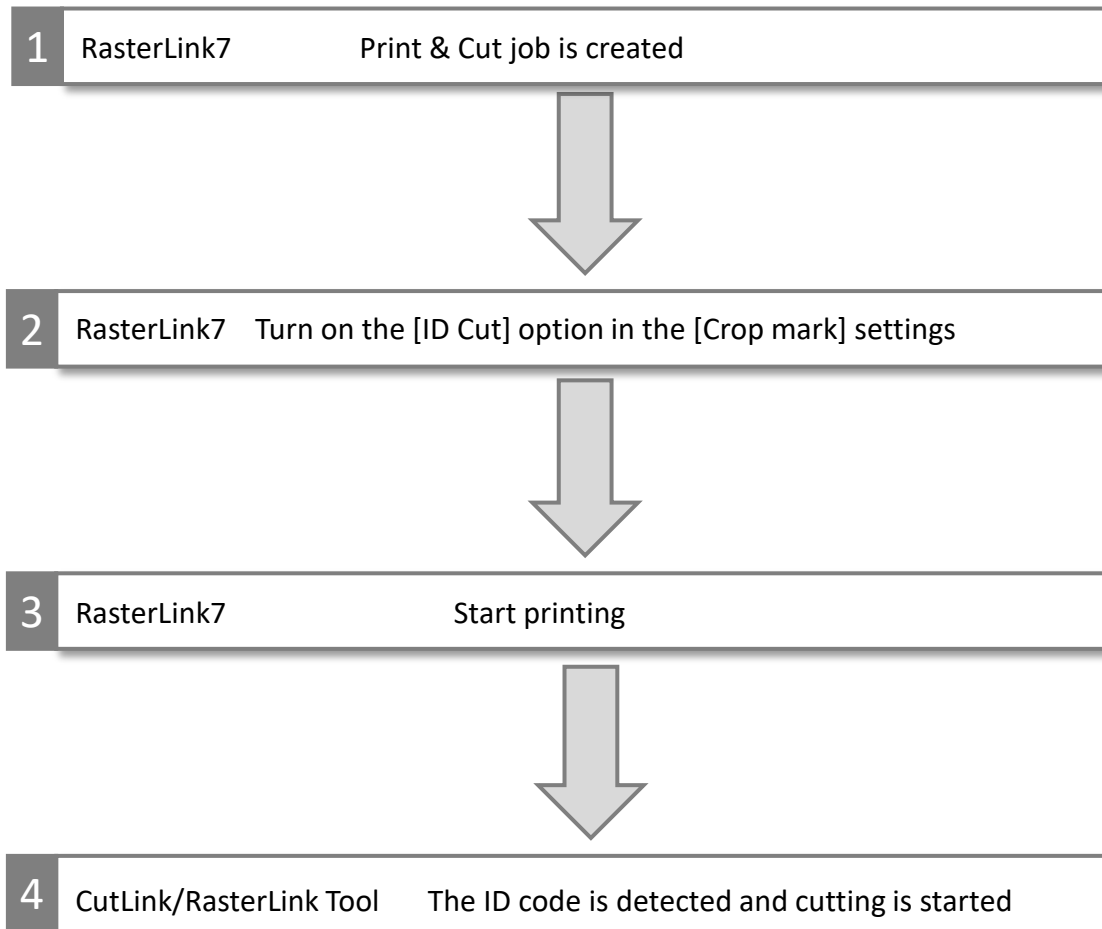
Operator always need to confirm cutting data



Operator does not need to attend the process

ID CUT FUNCTION: WORKFLOW

- Easy barcode creation and Print & CUT output in just four steps:



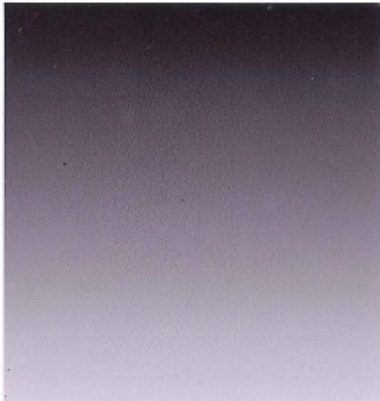
STUNNING QUALITY

- Light Black ink

- High quality monochrome color reproduction with the new Light-Black ink
- High color balance without color shifting, reproducing high quality, smooth gray output

Print result comparison

CMYKLcLm



- Reddish gray

CMYKLcLmLkOr



- No color shift and smooth gradation

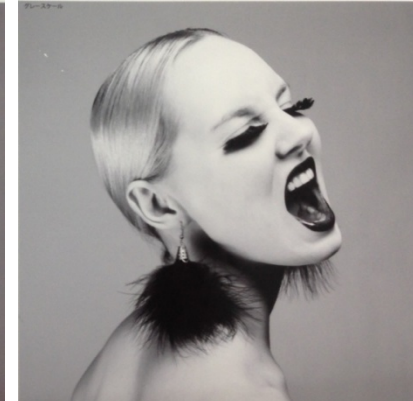
Print result comparison

CMYKLcLm



- Reddish gray
- Skin with grainy appearance

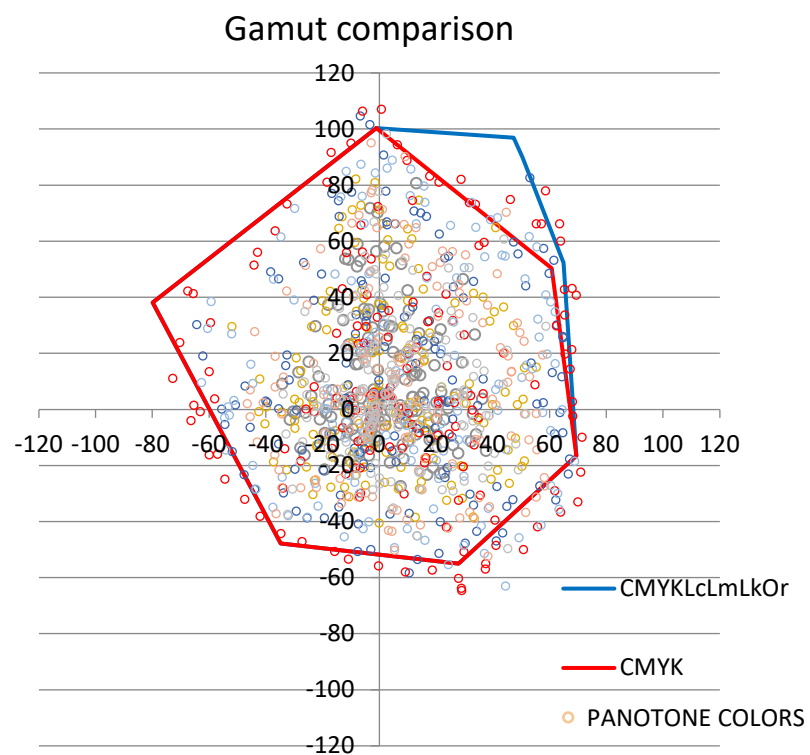
CMYKLcLmLkOr



- Smooth skin tone

STUNNING QUALITY

- Wider color gamut with the Orange ink
 - Orange ink is added as a process color
 - Covering approx. 94.8% of the PANTONE coated color chart, 7% more than only with 4C
 - The large color gamut makes it possible to reproduce more corporate colors, etc.



*PANTONE solid chips coated(1085 colors)

Comparing print results

CMYKLcLm

CMYKLcLmLk+Or



Less bright orange color



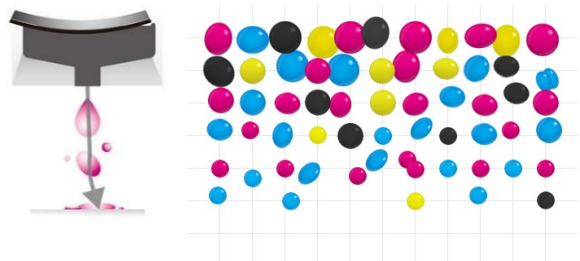
High reproducibility
with bright orange color

IMAGE QUALITY CONTROL - WAVEFORM CONTROL

- Waveform control to achieve precise placement of ink droplets
 - The dots are optimized by tuning the frequency depending on ink's viscosity to accurately place and shape individual ink droplets.
 - This results in sharper lines, text and image.

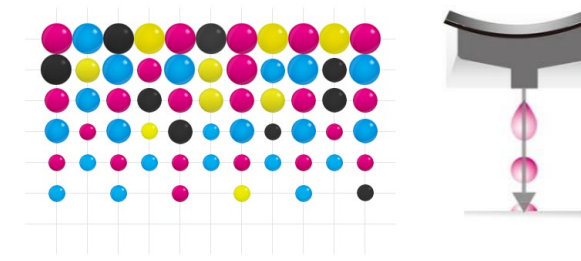
No waveform control

Ink droplets jetted in as deformed circles



With waveform control

Ink droplets are jetted in as nearly perfect circles



Ink dots overlap



Grainy appearance with blurred edge

High accuracy dot placement

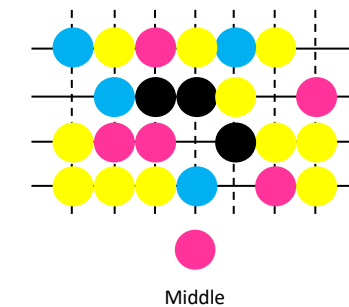
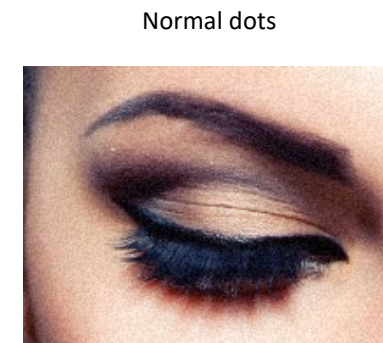
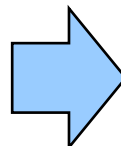
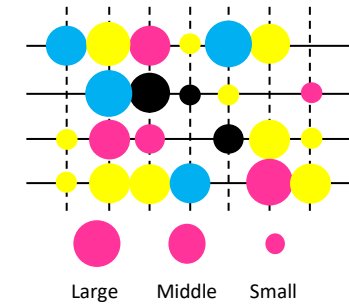
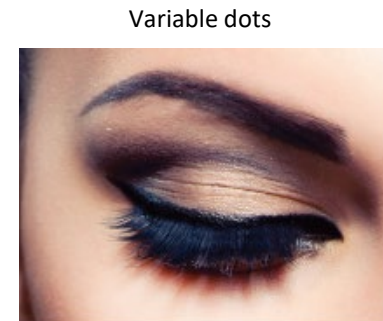
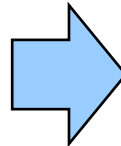


Sharp finish without grainy appearance

IMAGE QUALITY CONTROL – VARIABLE DOTS

- Variable dots: Grainy appearance reduction system

- To reduce a grainy appearance, the 3 most optimum drop sizes (from 4pl to 20pl) are automatically selected, depending on the print mode.
- Grainy appearance is also reduced by using the 1200x1200dpi high resolution print mode available for high quality printing



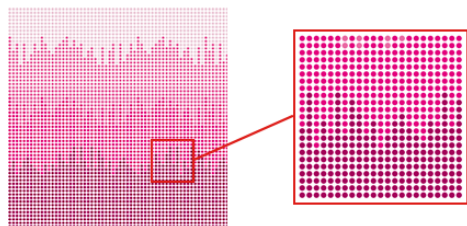
MAPS4: HIGH IMAGE QUALITY

- MAPS4 for printing without banding

- The potential for banding and uneven color is greatly reduced with 4th generation of Mimaki's Advanced Pass System, the MAPS4.
- MAPS4 incorporates an advanced algorithm for printing boundaries between passes producing a quality prints with a uniform appearance.

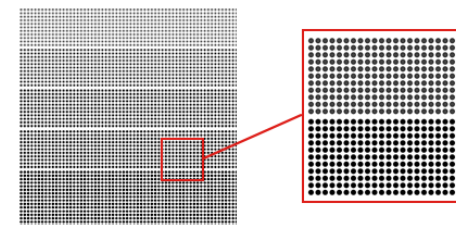
With MAPS4

Smooth and invisible boundaries between passes



Without MAPS

Visible boundaries between passes



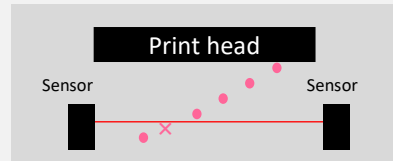
NCU AND NRS

- 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)

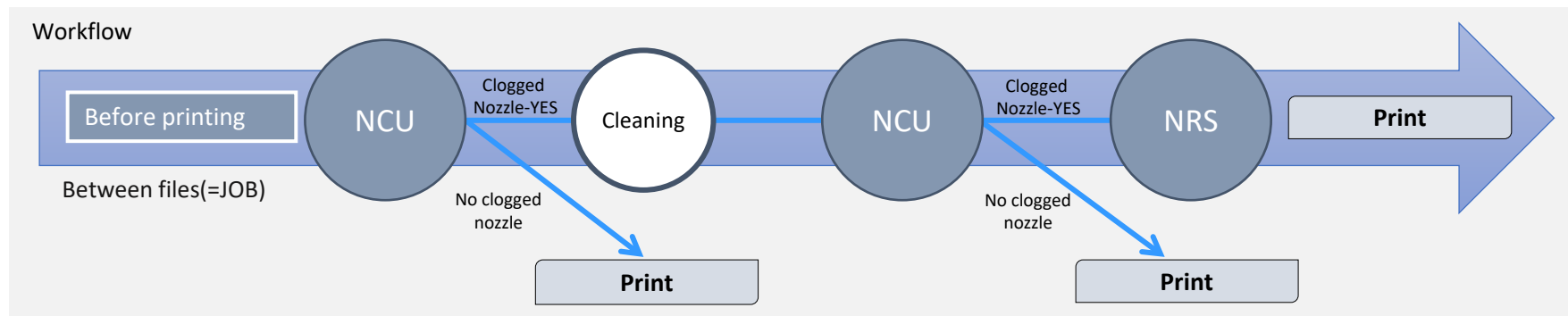


NRS (Nozzle recovery system)

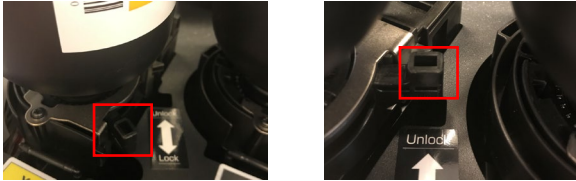


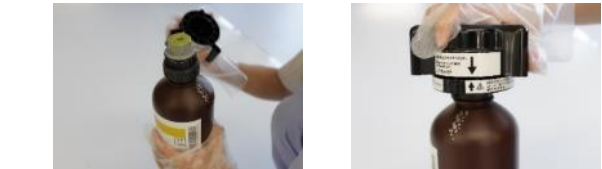

When the clogged nozzle is not resolved by cleaning, the defective nozzle is substituted by working nozzles automatically.

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.



INK BOTTLE REPLACING PROCEDURE (B MODEL)

Order	Photo details	Procedure
1.		Move the ink lever to “Unlock” position
2.		Remove the empty ink bottle To prevent ink dripping after bottle removal, wipe it gently by the sponge.
3.		Remove the main cap from empty bottle
4.		Attach the cap to a new ink bottle. Fasten it till the arrow signs of main cap matches as shown on right photo.
5.		Attach the new ink bottle into the slot. Lock the ink bottle by moving the lever to “Lock” position

SPECIFICATION: JV100-160

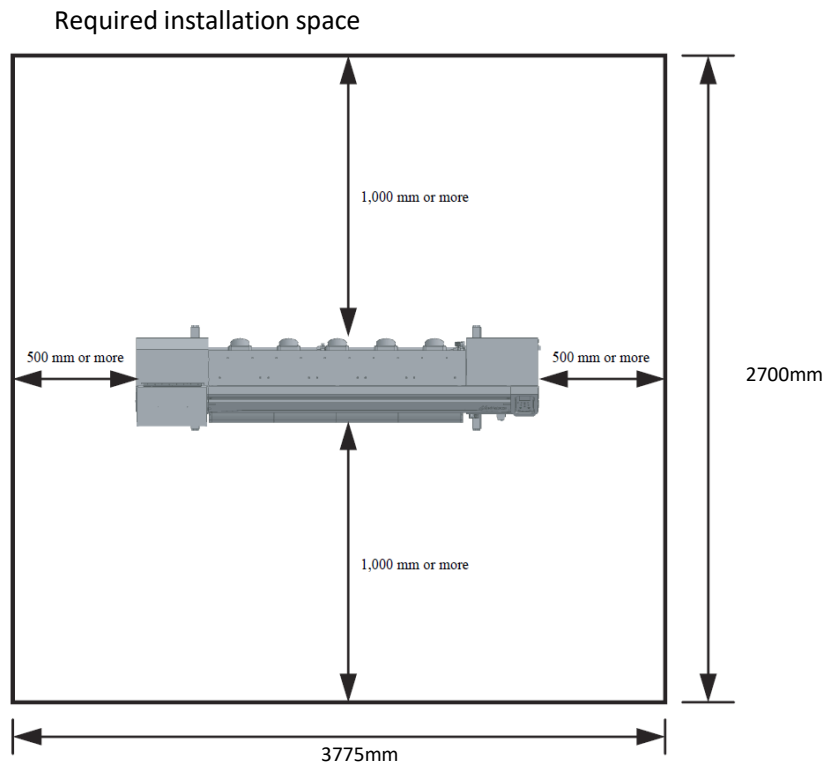
Item	JV100-160C	JV100-160B
Print head	2 drop-on-demand piezoelectric head; stagger arrangement	
Print resolution	Y: 360 dpi, 720 dpi, 1200dpi; X: 600dpi, 900 dpi, 1200dpi	
Drop size	Min: 4pl, Max: 20pl	
Head height	Manual adjustment (2.0/2.5mm from platen)	
Ink type	SS21: CMYK / CMYKLcLmLkOr AS5: CMYK / CMYKLcLmLkOr BS4: CMYK	CS250: CMYK
Ink color	4C (CMYK) /8C (CMYKLcLmLkOr)	4C (CMYK)
Ink supply	600ml ECO ink pack / 2000ml* Ink bag	1L bottle supply
Max printing width	1,610mm	
Max media width	1,620mm	
Media thickness	1.0mm or less	
Outside diameter	250mm or less	
Roll weight	45kg or less	
Interface	USB2.0 / Ethernet	
Body weight	166kg	168kg
Dimension (WxDxH)	2775/700/1392mm	2775/700/1475mm
Power supply	2 x Single phase (AC100~120/200~240V +/- 10%, 50/60Hz +/- 1Hz)	
Power consumption	AC100V: 1.44kW / AC200V:1.92kW	
Safety Standards	VCCI class A, FCC Class A, CE Marking (EMC Directive, Machinery and Low Voltage Directive), CB Certification, RoHS, RCM, EAC	

*2000ml ink pack requires a purchase of MBIS3 ink bulk system

DIFFERENCES BETWEEN JV100-160 AND JV150-160

Item/Printer		JV100-160	JV150-160
HEAD	Amount	Two M-Heads in staggered mode	Single E-Head
	Resolution	Y: 360, 720, 1200dpi; X: 600, 900, 1200dpi	Y: 360, 540, 720 dpi X: 360, 720, 1080, 1440 dpi
Ink Set		SS21: CMYK / CMYKLcLmLkOr AS5: CMYK / CMYKLcLmLkOr BS4: CMYK CS250: CMYK	SS21: CMYK / CMYKLcLmLkOr ES3: CMYK / CMYKLcLm BS3/BS4: CMYK Sb53/Sb54: CMYK / CMYKLcLm
Production Print Speed (PVC)		4C: 20m ² /h at 720x600dpi 6P 8C: 5m ² /h at 720x1200dpi 16P	4C: 11,1m ² /h at 720x720dpi 6P 8C: 3,6m ² /h at 720x1440dpi 18P
Media	Max weight	45kg	40kg
Head Gap		Manual adjustment (2.0/2.5mm)	Manual adjustment (2.0/2.5/3.0mm)
Interface		USB2.0/ Ethernet	USB2.0
Power		2 x Single phase (AC100~120/200~240V +/- 10%, 50/60Hz +/- 1Hz)	Single phase (AC100~120/200~240V +/- 10%, 50/60Hz +/- 1Hz)
MAPS		MAPS4	MAPS3
Media adjustment and calibration		Automatic Dot Adjustment System	Manual
RIP		RasterLink7	RasterLink6Plus

PACKING AND INSTALLATION



Installation environment

1. Make sure to use in a ventilated environment
 Environmental temperature: 20°C ~ 30°C
 Quality assurance temperature: 20°C - 25°C
 Humidity: 35 - 65%Rh (no condensation)
 Temperature gradient: +/- 10°C/h or less
 Dust: 0.15mg/m² (comparable office)
2. Do not install on carpets, etc. because those are easy to be charged and it can effect the image quality
3. Please use the printer in a well-ventilated environment.
4. Do not install in the place where using a photograph fixer or the place with acid steam like acetic acid, hydrochloric acid

	Dimensions	Width	Depth*	Height	Weight	Manpower for installation
JV100-160	Packing size	2912mm	750mm	1050mm	215kg	A minimum of four (4) persons are required to lift the printer during installation.
	Outside dimension (C-model)	2775mm	700mm	1392mm	166kg	
	Outside dimension (B-model)	2775mm	700mm	1475mm	168kg	

* The space for PC is required separately.

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

APPENDIX

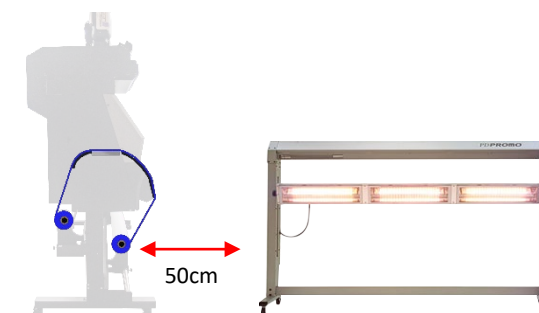
- Notes
- Certificates
- Ink supplies
- Consumables
- Options

PRECAUTIONS WHEN PRINTING ON TARPAULIN MEDIA

- When printing at high speed with AS5 and CS250 inks on tarpaulin, ink bleeding may occur if the wound media role is placed on the floor immediately after printing or is stored in a media overload condition.
- You can prevent bleeding by allowing printed media to air dry first.
- To speed up the ink drying time during printing, you can install an optional external heater at 50cm distance from the front of the printer and set the heater temperature to 80°C or higher.
- To minimize ink bleeding, Mimaki recommends the use of special tarpaulin color profiles available for download from the Mimaki website.



Color trace caused by ink bleeding



Optional external heater at the front of JV100

CERTIFICATES

- **GREENGUARD Gold Certification for Mimaki solvent inks**

- Mimaki solvent inks are GREENGUARD GOLD certified.
- Products that are GREENGUARD GOLD certified meets the 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.



- **ICS Performance Guarantee**

- Mimaki solvent inks SS21 and BS4 complies with Avery Dennison ICS Performance Guarantee Program
- The ICS Performance Guarantee assures the performance of Avery films with a printing platforms 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
SPC-0588x	SS21 Solvent ink pack 2Liter pack	2000ml	Bag	M, C, Y, K, Lc, Lm, Lk, Or Requires MBIS3 OPT-J0364
BS4-x-60	BS4 Solvent ink pack	600ml	ECO Pack	M, C, Y, K
BS4-x-2L-1	BS4 Solvent ink pack 2Liter pack	2000ml	Bag	M, C, Y, K Requires MBIS3 OPT-J0364
TBD	AS5 Solvent ink pack	600ml	ECO Pack	M, C, Y, K, Lc, Lm, Lk, Or
TBD	AS5 Solvent ink pack 2Liter pack	2000ml	Bag	M, C, Y, K, Lc, Lm, Lk, Or Requires MBIS3 OPT-J0364
CS250-x-BA-1-SE	CS250 Solvent ink pack 1Liter pack	2000ml	Bottle	M, C, Y, K Requires MBIS3 OPT-J0364

SUPPLY ITEMS: CONSUMABLES 1

Part No.	Description	Remarks
SPC-0294	MILD SOLVENT WASHING LIQUID	220ml cartridge for automatic cleaning function
SPC-0369	Cleaning solution MS2/ES3/HS kit200	- For daily maintenance of solvent inks - Maintenance liquid 200ml bottle, cotton swabs, gloves
A101437	BEMCOT M-3	100 sheets
A101438	Swab 6-axis "S"	1,000 sticks
SPA-0107	MEDIA CUTTER BLADE	1pce
SPC-0843	Wiper kit	10pcs
SPC-0527	Cleaning Stick for Head Surrounding	50 sticks
SPA-0247	PR10 (Pinch roller)	1 set: - 20pcs of Pinch Rollers - 10pcs of Replacement Shafts
SPA-0257	CP PAD HEAD ASSY	1set
SPA-0320	CAP B ASSY	8pcs
SPA-0315	UJV CAP ABRORBER SET	Cap cover (Sponge incl.), gloves, Procedure
SPA-0316	UJV CAP ABRORBER	Only Sponge

SUPPLY ITEMS: CONSUMABLES 2

Part No.	Description	Remarks
SPA-0207	KIMWIPE S-200	200 sheets
SPC-0626	MBIS Eco case ASSY	1 case
SPA-0246	SQUARE WASTE INK TANK 2L	1pce
SPA-0250	Rubber stopper for 2L case	8pcs
SPC-0774	300 FAN FILTER	10 sheets
SPA-0257	CP PAD SET 2	1 set
SPC-0842	CAP ASSY	1pce
SPC-0820	FILTER SET FOR BOTTLE WIPING	4 pcs.
SPA-0324	Media Stand Kit	For setting media

SUPPLY ITEMS: OPTIONS

Part No.	Description	Remarks
OPT-J0502	Adjuster feet	
OPT-J0503	Lift-up blocks	
SPA-0324	Media Stand Kit	
OPT-J0351	Drying Fan 160	Required to install together with OPT-J0512
OPT-J0353	Exhaust Kit 160	
OPT-J0355	300-160 Electrostatic sheet	
OPT-J0362	Additional PR-160 (Pinch Roller)	
OPT-J0512	Drying Fan Connection Kit	Required for installation of OPT-J0351
OPT-J0370	Small Relay Box	
OPT-J0407	Relay Box 2	
OPT-J0364	MBIS3 BULK INK SUPPLY UNIT	Only for C-Model
OPT-J0302	MBIS V5 MIDDLE-CARTRIDGE KIT	
OPT-J0361	ECO CASE 4	Set of 4 pieces for 600 ml ink pack. To be ordered when standard included Eco-cases are damaged.
SPM-007	Mimaki Profile Master MPM3	1pce, Software only

