MIMAKI
AUTHORISED PARTNER

UJV55-320

LOW COST. HIGH RETURN.

Grand Format
LED-UV Inkjet Printer

EXPERT PRINTING
MADE EASY

Print
and Cut

Width:3.2m

DIGITAL STAR QATAR
ديجيتال ستار قطر

SOURCE OF
DIGITAL SOLUTIONS

Digital Star Qatar has been leading the digital solution in Doha, for more than 10 years as a supplier and distributers for the digital sector. Our commitment to providing the best quality machinery with advanced technology, which can help your business to expand more with successful outcomes.

The world has enabled us the opportunity to set ultra-standards in signages and digital printing industries. DSQ has developed into a true trendsetter and a reliable destination for customers seeking wholesale solutions. We help the sectors like sign makers, digital print houses, POS/POP makers, fit-out companies, event managements, and glass & aluminium fabrication industries. we promise to take your business to stand head.

Best A Grade Quality &
Innovative Products

High performance grand format LED UV inkjet printer

The all new Mimaki UJV55-320 grand format LED UV inkjet printer delivers a unique combination of high quality super wide output for volume production of banners, retail, exhibition and window graphics and other similar applications up to 3.2m wide, with the added versatility of twin-roll simultaneous printing.

UNIQUE FEATURES

- Super wide format printing (up to 3.2m)
- Newly developed LUS-120 high performance UV curing ink including white
- Inline LED Lightbox for backlit print inspection
- Simultaneous twin-roll print facility
- High speed printing up to 110m2/h
- High density print mode for front/backlit applications
- MAPS, MFD1, NCU & NRS for optimal print quality & performance
- Media roll weights up to 100kg

CREATE...

Indoor and outdoor signage, Exhibition, Display and window graphics, Front and backlit signage, Retail PoS and much more...

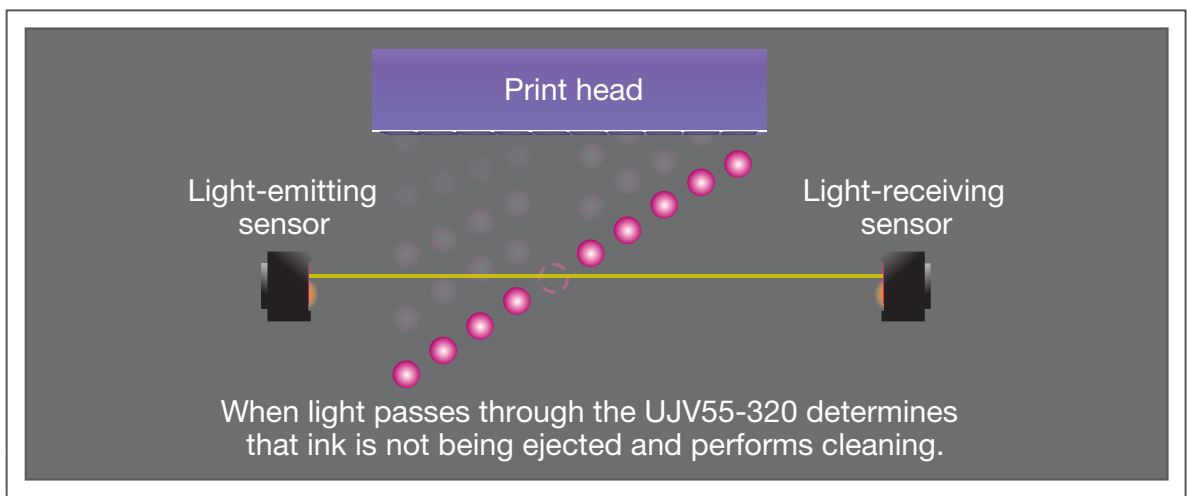|	
NEW LUS-120 LED UV 4 and 7 COLOUR INKSET	
110m²/h MAX. PRINT SPEED	
1200DPI MAX. RESOLUTION	
3,200mm MAX. PRINT WIDTH	
RASTERLINK 6 RIP SOFTWARE	
3 LITRE INK TANKS	

Effi cient and Versatile Twin-Roll Simultaneous Printing

Taking advantage of the 3,200mm printing width, two media rolls can be mounted for simultaneous printing. Different print jobs (or the same print job) can be printed on two separate rolls. The user can select the preferred width separately for each roll, within a specifi ed range (210 to 1,524mm).

Prevention of print quality problems

The UJV55-320 is equipped with Mimaki's original automatic by the NCU. If the clogging is not resolved by cleaning, the and resumes printing. These functions signifi cantly reduce the waste printing caused by clogged nozzles during a continuous printing run.
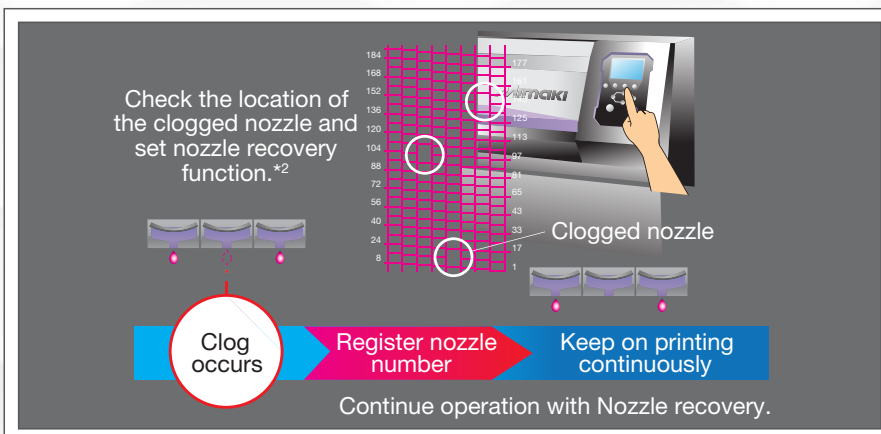
* NCU: Nozzle Check Unit

Print head

Light-emitting sensor

Light-receiving sensor

When light passes through the UJV55-320 determines that ink is not being ejected and performs cleaning.

Productivity maintenance

The NRS substitutes defective nozzles with non-defective nozzles until the technician arrives. This feature enables uninterrupted print operations & continuous productivity.

*1 NRS: Nozzle Recovery System   *2 10 nozzles per nozzle row can be registered.

Check the location of the clogged nozzle and set nozzle recovery function.*2

Clogged nozzle

Clog occurs → Register nozzle number → Keep on printing continuously

Continue operation with Nozzle recovery.

Sophisticated RIP software maximizes the performance of UJV55-320

User friendly RIP "RasterLink 6" comes as standard

RasterLink 6

◆ More beautiful and advanced print results are achieved by following a user-friendly interface that is easy to operate.
◆ Colour replacement function enhances the ability to re-create printed images.
◆ Print colour can be simulated on Illustrator / Photoshop without an actual print.
  *This function requires MPM2 (Mimaki Profile Master 2).
◆ Program update and profile download can be easily performed via internet.

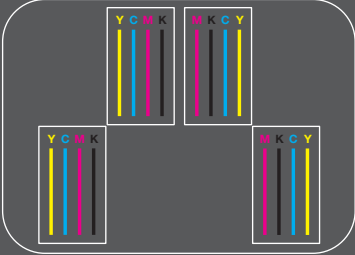### New image-processing technique reduces tone jumps and uneven colour printing

Mimaki Fine Diffusion 1 (MFD1) has been recently added to the bundled RasterLink6 RIP software. MFD1 reduces the noise that is generated in image data during image processing and enables the production of better print results without tone jumps or uneven colours.
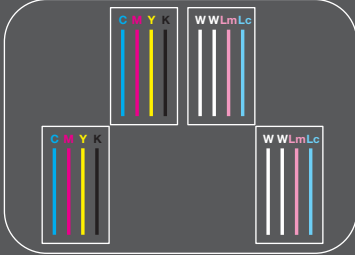
MFD1 applied   No MFD1

KEY TECHNICAL FEATURES

PRINT QUALITY

4 colours - - CMYK

7 colours - - CMYKLcLmW

IMPROVED PRINT HEAD CONFIGURATION

Head configuration : Four print heads in a staggered array.
1 head : 1,280 nozzles (320 nozzles X 4 lines)
4 heads : total 5,120 nozzles

BEAUTIFUL OUTPUT

MAPS
(Mimaki Advanced Pass System)
Reduces banding by dispersing ink drops between passes.

Waveform Control Technology
Ensures high quality print resolution, by jetting ink drops in straight lines with almost perfect round dots, delivering clear and sharp letters, lines and edges.

Superior inkjet technology
Delivers high density print by removing the gap between dots.

Without waveform control
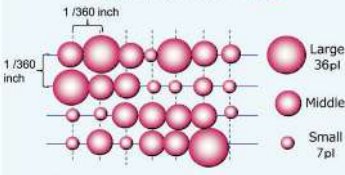Ink droplets jetted in the shape of deformed circles

With waveform control
Ink droplets jetted in the shape of nearly perfect circles

Maximum dot size = 36pl

1 /360 inch

Large 36pl

Middle

Small 7pl

High density as no gap between dots
↓
Suitable for High speed mode

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IMPROVED PERFORMANCE FOR BACKLIT PRINTING APPLICATIONS
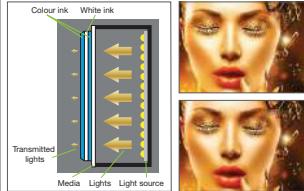
WHITE INK PRINTING

WHITE INK PRINT ENHANCEMENTS

Printing on transparent media is made possible by the application of white ink as an under or over layer.
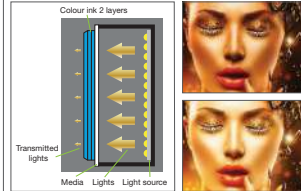
Day & Night Printing on Backlit Materials

[Colour & White & Colour 3 layers]
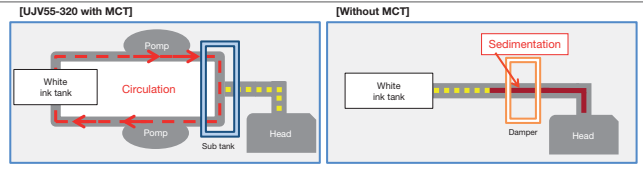Printing a white layer between coloured layers, ensures a consistent result whether illuminated or not.

Colour ink   White ink

Transmitted lights

Media   Lights   Light source

Lights OFF

Lights ON

[Colour & Colour 2 layers]
If only 2 layers of coloured ink are applied, the resulting image is too dark when viewed in daylight.

Colour ink 2 layers

Transmitted lights

Media   Lights   Light source

Lights OFF

Lights ON

White ink circulation technology MCT (Mimaki Circulation Technology)

By periodically circulating white ink in line from tank to head, pigment deposition is prevented. MCT ensures stable production and reduction of ink discharge and waste.

[UJV55-320 with MCT]

Pomp

White ink tank   Circulation

Pomp

Sub tank   Head

[Without MCT]

Sedimentation

White ink tank

Damper   Head

* Illustration is an Image.
* MCT only works with 7-colour ink set.

INLINE LIGHTBOX

INLINE LED LIGHTBOX FOR BACKLIT PRINT INSPECTION

Proofing while printing LED backlights illuminate printed media just after printing, reproducing a backlit signage application and ensuring immediate quality inspection.

- No need to stop the printer to check.
- LED lights set in the space after print platen enabling immediate correction if errors occur
- Saves time, ink and media.

- Colour temperature : 7,000 Kelvin
- Brightness easily adjustable.
- LED lights can be removed from the printer.

BACKLIT PRINTING

HIGH 'BLOCKOUT' PERFORMANCE FOR BACKLIT SIGNAGE

A key feature of UV-curable ink is the thickness of the ink layer on the media, which enables much greater 'blockout' performance than other print methods.

This is particularly beneficial in backlit signage applications where the ability to block out backlighting in certain areas improves overall illuminated colour performance and vibrancy.

Product Samples

Window Signage

Wallpaper

Floor Stickers

Backlit Signage

Frosted Stickers

Glass Stickers

Specification

Head		On-demand piezo head (4 printheads / in 2 staggered array)
Print resolution		300dpi, 600dpi, 900dpi, and 1200dpi
Ink droplet size		Minimum: 7pl / Maximum: 36pl
Head gap (Manual adjustment)		1.7mm / 1.9mm / 2.6mm / 3.3mm
		(Distance between the platen and the print head)
Ink	Type	LED-UV ink LUS-120
	Colour	4 – Colour (C, M, Y, K) / 7 – Colour (C, M, Y, K, Lc, Lm, W)
	Packaging	1 litre ink bottle, Ink can be filled up to 3 litres per ink colour.
Maximum print width		3,200mm
Maximum media width		3,250mm (Twin rolls printing with a small drive shaft: 1,524mm × 2)
Minimum media width		210mm
Media thickness		1.0mm or less
Roll outer diameter		Large drive shafts: Φ250mm or less.
		Small drive shaft with roll holders: Φ180mm or less.
Roll Weight		Large drive shafts: 100kg or less.
		Small drive shaft with roll holders: 25kg or less
Dimensions (W × D × H)		5,410mm × 995mm × 1,440mm excl. ink supply unit
		5,680mm x 1,220mm x 1,440mm incl. ink supply unit
Shipping Dimensions (W × D × H)		5,714mm × 1,136mm × 1,203mm
Weight		910kg
Power supply		AC 200 – 240V ± 10% 50/60 Hz ± 1 Hz, 18 A or less. *100V Power not available
Power consumption		4.3kW or less
Operational Temperature		20 – 30 ºC (68 – 86 ºF)
Operational Humidity		35 – 65%Rh (No condensing)
Temperature accuracy		20 – 25 ºC (68 – 77 ºF)
Temperature gradient		Less than ± 10 ºC/h (± 18 ºF/h)
Dust		0.15mg/m3 (Equivalent to normal office level)

*Specifications, designs and dimensions in this list may be subject to change without notice due to technical improvements or other modifications.

Supplies

Item	Color	Item Code	Remarks
UV LED Ink LUS-120	Cyan	LUS12-C-BA-1	1L bottle
	Magenta	LUS12-M-BA-1	
	Yellow	LUS12-Y-BA-1	
	Black	LUS12-K-BA-1	
	Light Cyan	LUS12-LC-BA-1	
	Light Magenta	LUS12-LM-BA-1	
	White	LUS12-W-BA-1	
	Flushing Liquid	FL007-Z-BA-1-KA	

SYSTEM REQUIREMENTS (PC's)

Operating System*	Windows 10 (64 Bit) or Later
Processor	i7 - 2.6 GHz or faster
Memory (RAM)	Min. 8GB or More
Video Card and Monitor(VGA)	1280x1024 or Higher Resolution is Recommended
Working Hard Disk Space	1 TB SSD or more recommended
Graphics Card	2GB or more (Optional)
Optical drive	DVD-ROM
Other requirements	Ethernet connection for network capable printers
	Available USB ports and PCIE Slot
Recommended Brand	Lenovo / Dell

* Note: You can use a laptop or desktop computer

* Use the original operating system and software. If you are using pirated operating system or software, we are not responsible for any damage to Machine workings, and also the warranty terms will become void.

POWER REQUIREMENTS

Voltage Regulator	5000W Stabilizer

Terms and Conditions

1. Payment to be made in QR currency.

2. Payment Terms: As mentioned in Quotation.

3. Bank Details:

Bank Name	Branch	Beneficiary Name	Acc #	Swift Code
Qatar Islamic Bank	Al Khour Branch	Digital Star Qatar	0111453200015	QISB – QAQA
IBAN: QA16QISB000000000111453200015				

4. Bank Charges: Any bank charges relevant to the above transactions will be to your account.

5. Any charges, duties, taxes or levies at the ports of entry will be to our account.

6. The charges of loading, boarding and local conveyance of the technician will be to our account.

7. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.

8. Digital Star Qatar will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents and any related reasons, which is beyond our control.

9. The warranty will be 12 months from the date of installation from Digital Star Qatar. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services from Digital Star Qatar.

10. Service will be free of cost within 12 months from the date of installation.

11. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.

12. Delivery: As mentioned in quotation

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DOHA | QATAR | P O BOX: 47663

📞 +974 448 34 486   ✉ info@digitalstarq.com

📠 +974 441 63 788   🌐 www.digitalstarq.com