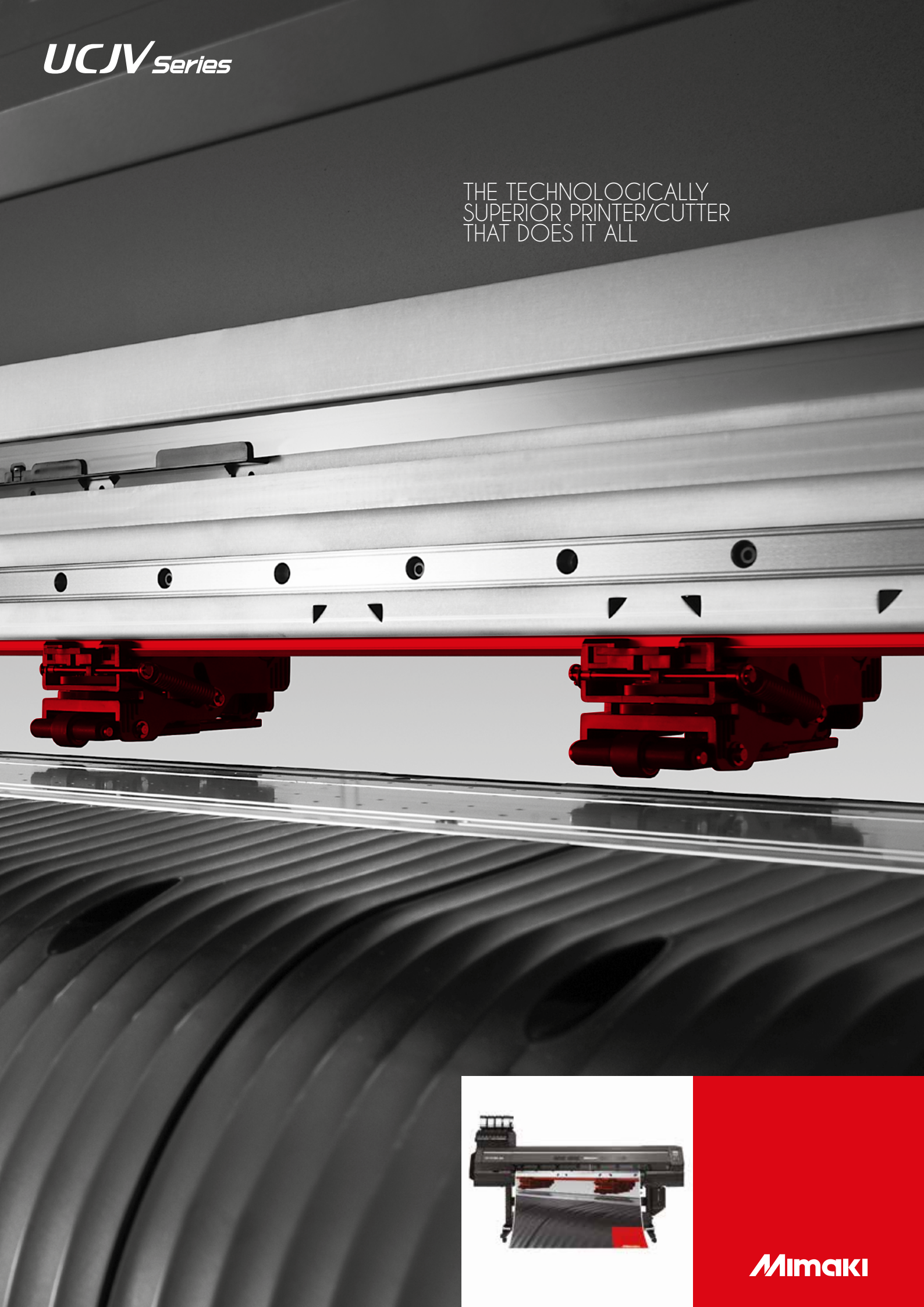# *UCJV* *Series*

THE TECHNOLOGICALLY
SUPERIOR PRINTER/CUTTER
THAT DOES IT ALL

Mimaki

The most efficient wide format workflow – ever

OUTPUT FROM THE MIMAKI UCJV SERIES IS INSTANTLY DRY, MAKING IT POSSIBLY TO LAMINATE AND/OR CUT IMMEDIATELY AFTER PRINTING. THIS RESULTS IN SIGNIFICANT WORKFLOW TIME SAVINGS OVER ALTERNATIVE INK TYPES, AIDING PRODUCTIVITY AND THROUGHPUT.

UNPARALLELED MEDIA VERSATILITY

Thanks to the UCJV Series' use of state-of-the-art LED UV printing technology, it is suitable for printing on an unparalleled range of materials, such as banner, self-adhesive PVC, transparent PET film, paper, backlit media, soft signage and more.

HIGH SCRATCH RESISTANCE

The high scratch resistance of Mimaki's LUS-170 LED UV ink allows printing on media such as tarpaulin without the need for lamination after printing. The reduced need for over-lamination delivers cost savings and minimises production time.

HIGHLY PROFITABLE. ULTRA-LOW RUNNING COSTS

The Mimaki UCJV Series has the lowest running ink costs per m^2 in its class, as a result of its innovative application of the latest LED UV ink technology and its sparing ink usage. The printer's ability to output to a vast range of media, including low cost products combined with a highly competitive ink price ensures running costs are kept low and profits high.

WHITE INK

When used with Mimaki's white LUS-170 LED UV ink, the UCJV300-160 delivers the most opaque and dense result in its class, ensuring high colour vibrancy and yield when overprinting with process colours on clear and non-white substrates. With productive print speeds – even when using white, it's also possible to generate 4-layer prints that deliver creative, value added applications.

MAKING PRINT AND CUT EASIER THAN EVER BEFORE

Mimaki's new ID Cut function has been designed to enable printer operators to contour cut multiple jobs with minimal intervention. Offering trouble-free, automatic cutting of consecutive jobs, it saves time and reduces potential material waste.

An ID barcode is printed through the RasterLink6 Plus RIP along with the image, with the code including cutting and rotation information. The crop mark sensor reads the ID code and automatically executes cutting, ensuring all alignment and rotational requirements are observed.

ID CUT

Harnessing the power of LED UV technology

LED UV PRINTING OFFERS UNIQUE ADVANTAGES. THE INK REMAINS ON THE SURFACE OF THE MEDIA WHEN PRINTED AND IS CURED IMMEDIATELY, WITHOUT AFFECTING THE SUBSTRATE, RESULTING IN A BROAD RANGE OF MATERIALS BEING SUITABLE FOR USE WITH THE PRINTER.

Mimaki's newly developed LUS-170 LED UV ink is nickel-free, has low VOCs, high colour density, scratch and chemical resistance and is GREENGUARD Gold certified. Products that are GREENGUARD Gold certified meet the rigorous standards for low emission of volatile organic compounds (VOCs) and ensure that a product is acceptable for use in environments such as schools and healthcare facilities.

GREENGUARD

UCJV150-160: ● ● ● ●
UCJV300-160: ● ● ● ● ● ● ○

MULTI-PURPOSE USE FOR INDOOR AND OUTDOOR APPLICATIONS

Such is the incredible capability of the UCJV Series printer/cutters, it's possible to produce a huge range of profitable applications on the one machine…

Fabric Signs | Backlit Graphics | Window Decoration | Banners | Labels & Stickers | Point of Sale | And Much More...

4th Layer, Colour layer – visible in daylight

3rd Layer, White layer – improves density of colour layer

2nd Layer, Black layer – masks night image

1st Layer, Colour layer – visible when backlit

Unique 4-Layer Printing

THE MIMAKI UCJV300-160 FEATURES A NEW 4-LAYER PRINTING MODE, DEVELOPED TO ENABLE TRANSFORMATIVE BACKLIT GRAPHICS TO BE PRODUCED THAT FEATURE DIFFERENT DAY AND NIGHT IMAGES, EXPANDING THE PRINTER'S APPLICATION RANGE WITH HIGH VALUE, CREATIVE CAPABILITIES

Ideal for retail graphics, window displays and signage, 4-layer graphics are created using an Adobe Illustrator plugin, which includes a preview for the day and night images, supplied with Mimaki's RasterLink6 Plus RIP software.

*4-Layer Printing is only available on the UCJV300-160 when white ink is installed.

Core Tech delivers unbeatable technology

MIMAKI'S CORE TECHNOLOGIES DELIVER AN UNBEATABLE COMBINATION OF STABLE PRODUCTION AND CUTTING-EDGE IMAGING QUALITY. INCORPORATING INNOVATIVE PROPRIETARY TECHNOLOGY, CORETECH OFFERS SIGNIFICANT ADVANTAGES FOR PRINT OPERATORS.

STABLE PRODUCTION

NCU
Nozzle Check Unit
automatically checks nozzle status and executes cleaning cycle when required

NRS
Nozzle Recovery System
substitutes defective nozzles to ensure uninterrupted operation

MCT
Mimaki Circulation Technology
periodically cycles white ink to prevent pigment deposition

HIGH IMAGE QUALITY

MAPS
Mimaki Advanced Pass System
reduces banding by dispersing ink drops between passes.

VARIABLE DOT
delivers high density print by removing the gap between dots

WCT
Waveform Control Technology
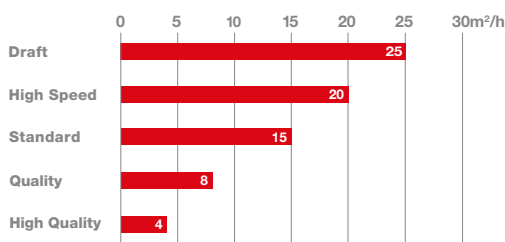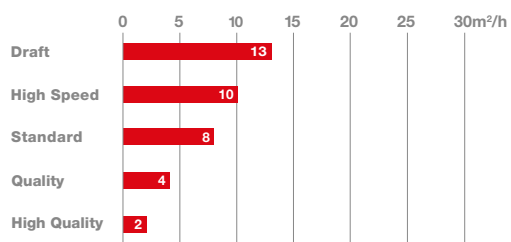ensures high quality output by jetting almost perfect round ink droplets

DAY & NIGHT
4-layer printing

PRINT SPEEDS

UCJV300 (4C ONE-LAYER)

	0 5 10 15 20 25 30m²/h
Draft	25
High Speed	20
Standard	15
Quality	8
High Quality	4

UCJV300 (7C ONE-LAYER) / UCJV150 (4C ONE-LAYER)

	0 5 10 15 20 25 30m²/h
Draft	13
High Speed	10
Standard	8
Quality	4
High Quality	2

• Print with white ink at up to 5.4 m²/h

SPECIFICATIONS

Item	UCJV150-160	UCJV300-160
Printhead	1 drop-on-demand piezoelectric head	2 drop-on-demand piezoelectric heads, (in-line configuration)
Print resolution	300dpi, 600dpi, 900dpi, 1,200dpi	
Drop size	Min:7pl, Max: 28pl	
Head height	Manual adjustment (2.0/2.5/3.0mm from platen)	
Ink type	LED-UV ink LUS-170	
Ink colour	4C (C, M, Y, K)	4C (C, M, Y, K) / 7C (C, M, Y, K, Lc, Lm, W)
Ink supply	1L bottle supply	
Max printing width	1,610mm	
Max media width	1,620mm	
Min media width	210mm	
Media thickness	1.0mm or less	
Outside diameter	250mm or less	
Roll weight	40kg or less	
Outside dimensions (W x D x H)	2,900mm x 776mm x 1,475mm	
Bodyweight	183kg	188kg
Power supply	2x Single phase (AC100~120/200~240V +/-10%, 50/60Hz +/-1Hz)	
Power consumption	AC100V: 1.44kW / AC200V: 1.92kW	
Operational environment	Temperature: 20~30°C, Humidity: 35~65%Rh, Guaranteed temperature: 20~25°C, Temperature inclination: +/-10°C/h or less, Dust: 0.15mg/m³ (equivalent to office)	

SUPPLIES

Part No.	Description	Pack Size
LUS17-C-BA-1	LUS-170 UV Curing Ink – Cyan	
LUS17-M-BA-1	LUS-170 UV Curing Ink – Magenta	
LUS17-Y-BA-1	LUS-170 UV Curing Ink – Yellow	
LUS17-K-BA-1	LUS-170 UV Curing Ink – Black	1 Litre Bottle
LUS17-LC-BA-1	LUS-170 UV Curing Ink – Light Cyan	
LUS17-LM-BA-1	LUS-170 UV Curing Ink – Light Magenta	
LUS17-W-BA-1	LUS-170 UV Curing Ink – White	
FL007-Z-BA	Cleaning liquid 07	

MEUUCJV01-E

UCJV300-160
HIGH-SPECIFICATION LED-UV PRINTER/CUTTER
with 7 colours and 4-layer printing

UCJV150-160
ENTRY-LEVEL LED-UV PRINTER/CUTTER
with 4 colours and high cost/performance ratio

Connectivity
IN ADDITION TO USB2.0 CONNECTIVITY, AN ETHERNET CONNECTION IS AVAILABLE ON THE UCJV150/300, allowing several printers to be connected to one computer. Easy to install, it also enables the printer status to be sent to a PC or mobile phone via the internet.

Software
MIMAKI'S SOPHISTICATED AND USER FRIENDLY RASTERLINK6 PLUS RIP SOFTWARE MAXIMISES THE PERFORMANCE OF THE UCJV SERIES.

Newly upgraded RIP software with increased functionality & user-friendliness

RasterLink 6 PLUS

New Functions
- [ID CUT] for consecutive cutting
- [Multi-Layer Print] for greater creativity
- [Braille Print] for simple Braille text creation

New PDF handling including transparent effects
- PDF data with transparent effects is accurately reproduced

LEADING THE FUTURE OF SIGN AND GRAPHICS THROUGH LED UV INNOVATION