Specification Sheet

UCJV300-160



Experience unmatched flexibility and performance with the UCJV300 Series of UV-LED print-and-cut devices. Designed for professionals who demand more from their equipment, the UCJV300 offers instant-cure technology, in-line cutting, and advanced multi-layer printing capabilities—ideal for day/night, backlit, and double-sided graphics

Specifications

NA Warranty	1 Year
LATAM Warranty	1 Year
Heads	2
Head Type	On-demand piezo

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Droplet Technology	Variable / Grayscale
Head Arrangement	Inline
Channels	8
Nozzles per Channel	320
Print Nozzles	2 heads x 320 nozzles x 4 rows
Print Resolution	1200 X 1200
Minimum Dot Size	7pl
Head Gap	Manual 0.5mm Adj.(2.0/2.5/3.0)

Max Media Width	**UCJV300-75**	**UCJV300-160**
	31.89 in (810.00 mm)	63.78 in (1620.00 mm)

Max Media Thickness	0.04 in (1.00 mm)
Max Media Dia	9.84 in (250.00 mm)
Max Media Weight1	40kg or less
Media Cores	2 inch, 3 inch
Max Printing Width	31.50 in (800.00 mm)
Max Cutting Width	800
Color LCD Control Panel	Yes
Nozzle Check Unit (NCU)	Yes
Integrated Media Cutting	Yes
Lamp Type	UV-LED
Curing Units	2
Cooling	Air
ID-cut	Yes
Tool Stations	1
Supported Tools	Swivel / Eccentric Cutter, Pen
Cut Speed Max	300mm/sec
Acceleration Max	0.5G
Cutting Pressure	10-450 gf
Response Time	10 times/sec

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Buffer Memory	32 Mb
Repetition Accuracy	±0.2 mm
RIP	RasterLink7
Cut	FineCut9
Other	Artista UV Texture Library
Connection Interface	Ethernet 1000BASE-T, USB 2.0 Hi-speed
Dimensions	**UCJV300-75:** 82.28 in (2090.00 mm) X 30.55 in (776.00 mm) X 58.07 in (1475.00 mm) **UCJV300-160:** 114.17 in (2900.00 mm) X 30.55 in (776.00 mm) X 58.07 in (1475.00 mm)

Weight	**UCJV300-75**	**UCJV300-160**
	317.52 lb (144.00 kg)	414.54 lb (188.00 kg)

Required Power	Single phase (AC100-120 / 200-240V±10%, 50/60Hz±1Hz)
Power Consumption - Max	1,920 W
Power Consumption - Avg	1,440 W
Standby	55 dB or less
Continuous Operation	65 dB or less
Temperature	68-86F (20-30C)
Guaranteed Acccuracy	68-77F (20-25C)
Humidity	35~65%RH(Non-condensing)
Dust Level	Equivalent to general office
Max Printing Speed	193.75 sqft/hr (18.00 sqm/hr)
MPS Print Mode	4 Color 300x600 4Pass
Machine Certifications	VCCI Class A, FCC Class A, IEC 62368-1 ETL compliance, CE marking (EMC Directive, Low Voltage Directive, Machinery Directive), CB certified, RoHS, REACH, EnergyStar, RCM marking
Ink Type/Color	UV-LED | LUS-170 CMYK Lc, Lm, W, Cl | LUS-200 CMYK W
Swivel Cutting Pressure	450g
Maximum Pressure	450g
Maximum speed	Yes

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Print speeds are based on factory tests. Total throughput depends upon front-end driver/RIP, file size, printing resolution, ink coverage, network speed, etc. For best performance, always use Mimaki original inks. Specifications are subject to change without notice.

All specifications are subject to change; consult your authorized Mimaki representative for current information.

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