Mimaki
AUTHORISED PARTNER

CUTTING PLOTTER
CG-AR Series
CG-60AR/100AR/130AR

Stay Sharp
More Profit Per Cut

ROLL-TO-ROLL
CUTTING PLOTTER

CG-130AR

CG-100AR

CG-60AR

Cutting Plotter

DIGITAL STAR QATAR
ديـجـيـتـال ســتـار قــطـر

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

- Realizing a cut pressure of 550 g, which is the highest in the entry class, expanding the range of cuttable materials
- The maximum cutting speed is 105% of the previous model for greater productivity
- New lineup options for cardboard full cutting
- Easy to cut output from Windows plotter driver
- Equipped with an ID cut function, realizing efficient print & cut in seamless coordination with Mimaki's printers

Line-up

CG-60AR
Effective cutting area 606mm (23.8")

CG-100AR
Effective cutting area 1,070mm (42.1")

*Sheet basket is optional.

CG-130AR
Effective cutting area 1,370mm (53.9")

*Sheet basket is optional.

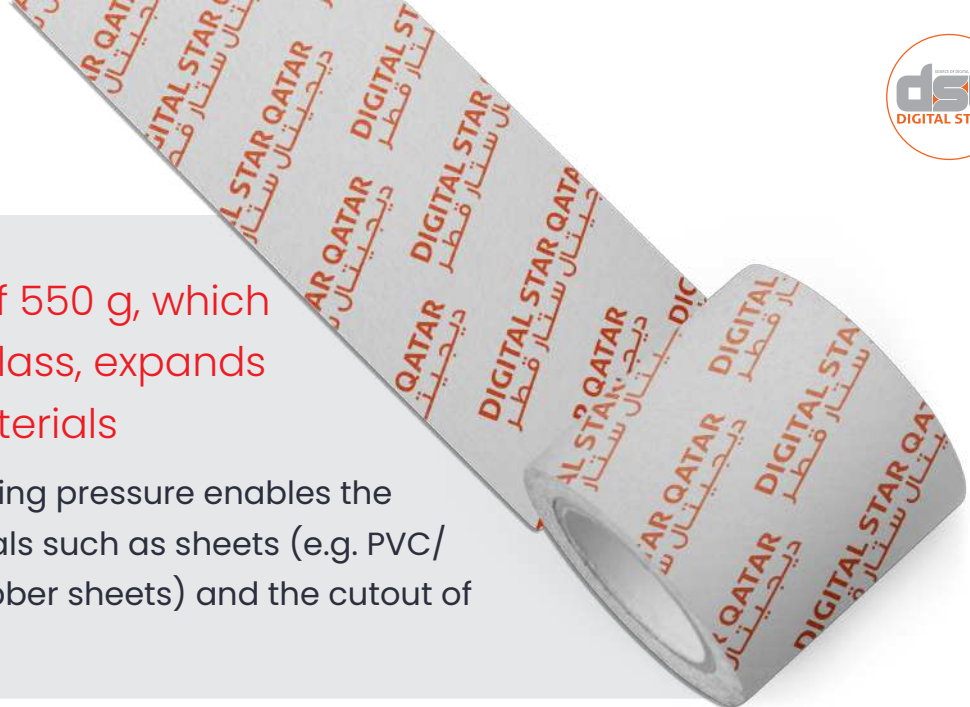**Windows Compatible with a plotter driver**

This smooth cutting is just like a multi-functional office printer outputting designs created using Word or Excel

Dedicated software provided as standard

Fine Cut/Coat 9

Compatible with Adobe illustrator / CorelDraw Plug-in Cutting software

Simple POP

Software for POP and Shop interior designs using templates

A cutting pressure of 550 g, which is the highest in its class, expands the range of cut materials

The highest-in-class cutting pressure enables the cutting of various materials such as sheets (e.g. PVC/fluorescent/reflective/rubber sheets) and the cutout of cardboard.

❙ Pursuit of basic cutting methods

Normal Cutting	Full Cutting	Half Cutting

Material
Base Paper

Cutting while keeping the base paper uncut

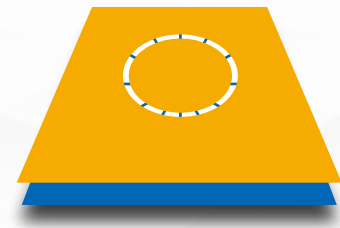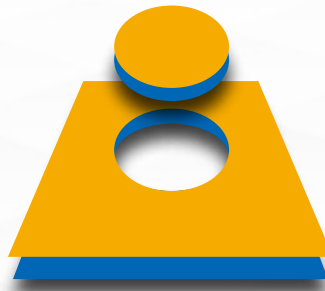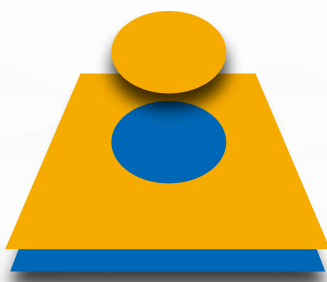The base paper can be also cut, enabling cutout from the sheet

Since the base paper can be cut with its very small joints remaining, cutout of stickers is possible.

✳ There are the specified settings and restrictions on cutting conditions for "Full cut" and "Half cut" methods, so please refer to the operation manual for details.

❙ Continuous register mark detection

Since multiple register marks are automatically detected (read) and data are individually & automatically corrected, highly precise cutting is possible even for long continuous data.

Multiple imposition data sequentially positioned in the X & Y axis directions are individually corrected and cut correctly

X-axis   Y-axis
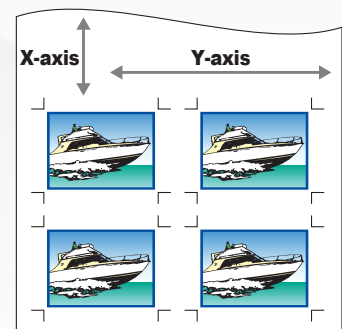
Cardboard cutting is possible

Dedicated options enable cutting from ordinary paper and cardboard.
Creation of paper crafts and packages is possible with this machine alone.[1][2]

| Installation of a sheet table | → | Setting cardboard attached to a cutting sheet on the table | → | Cutting is performed with a cardboard cutting blade, and the creasing-tool makes folding lines. |

*1. Dedicated options: Sheet table, Cutting sheet, Blade for heavy paper, and Creasing tool
*2. Adaptable sizes: up to A3
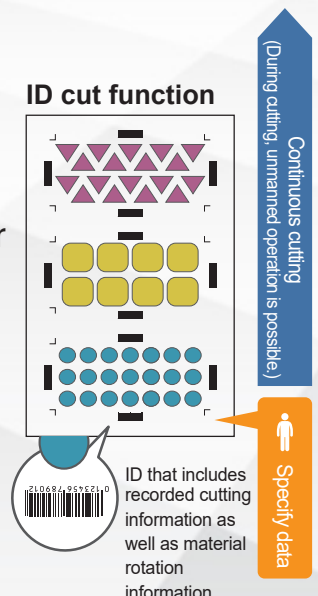
Easy cutting using a Windows plotter driver

Drawing is possible using Windows- compliant software (e.g. Microsoft Word and Excel), without the need for dedicated data preparation software. Easy cutting is possible, just like outputting with using a general office printer.
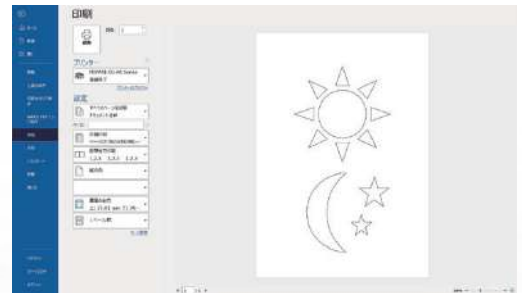
Equipped with an ID cut function, realizing efficient print & cut

"ID cut" is a function for automatically cutting data included in an ID simply by scanning the ID register marks output by Mimaki's optionally available printer*. Data transmission from the PC is completed with one-time operation, which drastically saves labor for print & cut and enhances work efficiency.

* Compatible with the JV300Plus Series and the JV/UJV100 Series

ID cut function

Continuous cutting (During cutting, unmanned operation is possible.)

Specify data

ID that includes recorded cutting information as well as material rotation information

JV100-160 + **CG-AR Series**

Product Samples

- Some of sample images in this catalog are artificial renderings.
- Specifications, design and dimensions stated in this catalog may be subject to change without notice for technical improvements etc.
- The corporate names and merchandise names written in this catalog are the trademark or registered trademark of the respective corporations.
- Please note that descriptions and data in this catalog are as of as of February 2022.

Specification

ITEM		CG-60AR	CG-100AR	CG-130AR
Applicable media width		90 - 740 mm (3.5"- 29.1")	90 - 1,250 mm (3.5"- 49.2")	90 - 1,550 mm (3.5"- 61.0")
Cuttable Area[1]		606 mm × 51 m (23.9"×167.3")	1,070 mm × 51 m (42.1"×167.3")	1,370 mm × 51 m (53.9"×167.3")
Maximum speed		Cutting: 73 cm/s 45°direction: 103 cm/s		
Settable speeds		1-10cm/s (1cm/s step adjustment), 10-73cm/s (5cm/s step adjustment)		
Mechanical resolution		X-axis: 2.5 µm, Y-axis: 5 µm		
Program step		25, 10 µm (MGL-Ic) / 100, 50 µm (MGL-Ic1)		
Repetition accuracy[2]		0.2 mm / 2 m		
Accuracy guarantee range		586 mm × 2 m	1,050 mm × 2 m	1,350 mm × 2 m
Maximum pressure		550 g		
	Cutter	10 - 20 g (2g step), 20 - 100 g (5 g step), 100 - 550 g (10 g step)		
	Pen	10 - 20 g (2g step), 20 - 100 g (5 g step), 100 - 150 g (10 g step)		
	Creasing tool (opt.)	10 - 20 g (2g step), 20 - 100 g (5 g step), 100 - 550 g (10 g step)		
Appl. (cuttable) media[3][4]		PVC sheet (0.25 mm thick or less; laminated), rubber sheet, fluorescent sheet and reflective sheet		
		Cardboard (used in combination with an optional sheet table)		
Usable tools[5]		Eccentric cutter, commercially available ball-point pen, Creasing tool (opt.)		
Commands[6]		MGL-Ic / Ic1		
Interface		USB, RS-232C, Ethernet		
Receive buffer capacity		About 27 MB as standard (17 MB when sorting is effective)		
Operational environment		Temperature: 5 to 35°C; Humidity: 35 to 75% Rh (without condensation)		
Power supply		AC 100 - 240 V 1A 50/60Hz		
Power consumption		168W or less	228W or less	
Dimensions (W × D × H)		1,010 × 355 × 355 mm (39.8"× 14.0"× 14.0")	1,510 × 580 × 1,160 mm (59.4" × 22.8" × 45.7")	1,810 × 580 × 1,160 mm (71.3"× 22.8"× 45.7")
		1,010 × 580 × 1,160 mm (39.8"× 14.0"× 14.0") (with the stand)		
Weight		17 kg(37.5 lb)	(71.3"× 22.8"× 45.7")	43 kg(94.8 lb)
		27 kg(59.5 lb) (with the stand)		
Stand		Options	Standard equipment	

■ Supplies and options

Item	Qty	Item No.
Standard blade for vinyl	3	SPB-0030
Blade for vinyl	3	SPB-0001
Blade for small character	3	SPB-0003
Blade for reflective sheet	2	SPB-0006
Blade for fluorescent sheet	3	SPB-0007
Blade set (rubber sheet)	3	SPB-0084
Blade for heavy paper	3	SPB-0092
Cutter holder	1	SPA-0329
Pen adapter	1	SPA-0169
Pen adapter (spare lead)	1	SPA-0183
Refill lead for Mitsubishi ball-point pen	10	SPC-0726
Cutting sheet	2	SPC-0888
Sheet basket 60	1	OPT-C0234
Sheet basket 100	1	OPT-C0232
Sheet basket 130	1	OPT-C0233
Stand for CG-60	1	OPT-C0241
Sheet table	1	OPT-C0242
Creasing tool	1	OPT-C0243

*1. Feed length is limited depending on the software used.

*2. The accuracy depends on Mimaki-designated media, cutter blade and cutting conditions. See the operation manual for details.

*3. For fluorescent and reflective sheets, use the blade dedicated to each material.

*4. Thick cardboard may reduce cut quality and precision.

*5. Use a commercially available ball-point pen with dia. 8-9 mm and without protrusion nor taper on the clamp position.

*6. During the use of USB or Ethernet connection, ESC-based MGL-IIc commands are unavailable

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

DIGITAL STAR QATAR

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