

Mimaki
AUTHORISED PARTNER

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

Stay Sharp
More Profit Per Cut
—

ROLL-TO-ROLL
CUTTING PLOTTER



شركة النجم الرقمي للألات و المعدات
DIGITAL STAR MACHINERY AND EQUIPMENTS

SOURCE OF DIGITAL SOLUTIONS

Welcome to Digital Star, your trusted partner in the world of cutting-edge printing solutions. As a leading printing machines, materials, and ink authorized dealer in Riyadh – Saudi Arabia (KSA), we pride ourselves on delivering state-of-the-art technology that empowers to achieve unparalleled levels of efficiency and quality.

At Digital Star, we understand the pivotal role that printing machinery plays in the success of your operations. With a commitment to innovation and excellence, we curate a diverse range of top-tier printing machines to meet the unique needs of our clients. Our product line-up reflects the latest advancements in the industry.

As a responsible printing machines supplier, we prioritize sustainability. Our commitment to eco-friendly practices is reflected in the products we offer, promoting energy efficiency and environmentally conscious manufacturing processes. When you choose Digital Star, you're not just investing in cutting-edge technology – you're partnering with a company that values the planet as much as your success.

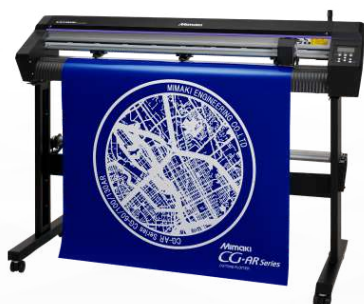
***Best A Grade Quality &
Innovative Products***

- 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



CG-60AR

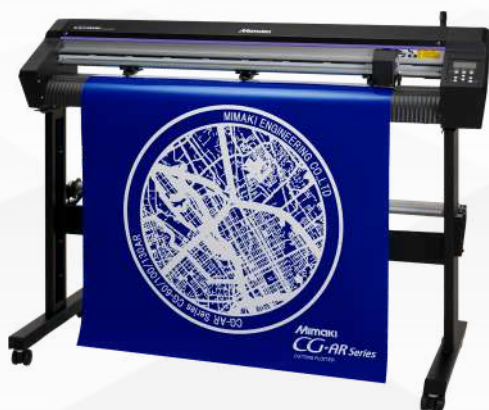
Effective cutting area 606mm (23.8")



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.

Line-up

**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

fi^{ne}Cut/Coat⁹ **Simple POP**

Compatible with Adobe Illustrator / CorelDraw Plug-in Cutting software

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.

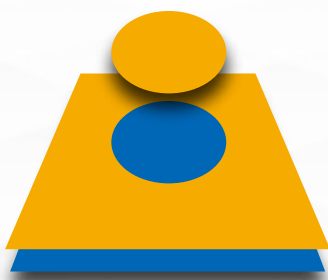


Pursuit of basic cutting methods

Normal Cutting



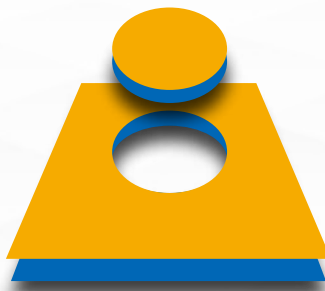
Cutting while keeping the base paper uncut



Full Cutting



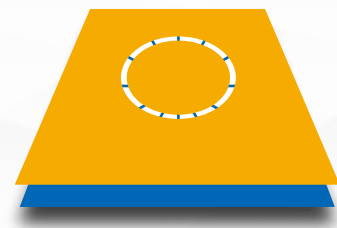
The base paper can be also cut, enabling cutout from the sheet



Half Cutting



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

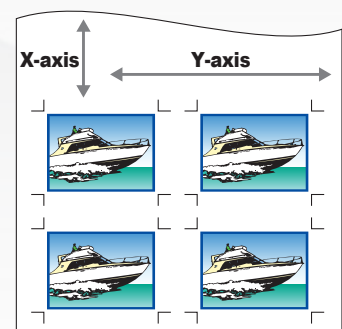


* There are the specified settings and restrictions on cutting conditions for "Full cut" and "Half cut" methods, so please refer to the operation manual for details.

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



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

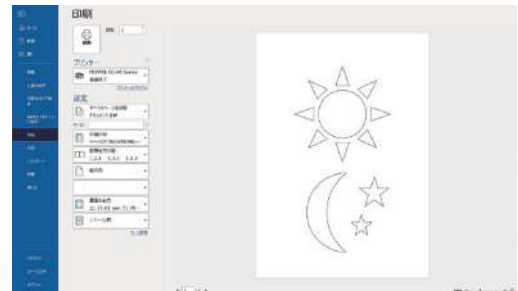


*1. Dedicated options: Sheet table, Cutting sheet, Blade for heavy paper, and Creasing tool

*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.



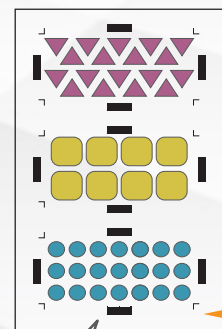
Equipped with an ID cut function, realizing efficient print & cut

"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



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

Continuous cutting (During cutting, unmanned operation is possible)

Specify data

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 corporatenames and merchandise names written in this catalog are the trademark or registered trademark of the respective corporations.

Product Samples

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")
Cutable 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. (cutable) 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

01. Payment to be made in SAR currency.
02. Payment Terms : As mentioned in Quotation.
03. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
04. Any charges, duties, taxes or levies at the ports of entry will be to our account.
05. The charges of loading, boarding and local conveyance of the technician will be to our account.
06. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.
07. Digital Star Machinery and Equipments will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents & any related reasons, which is beyond our control.
08. Warranty will be 12 months from the date of installation from Digital Star Machinery and Equipments. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services from Digital Star Machinery and Equipments.
09. Service will be free of cost within 12 months from the date of installation.
10. 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.
11. Delivery: As mentioned in quotation

شركة النجم الرقمي للألات و المعدات DIGITAL STAR MACHINERY AND EQUIPMENTS

IBN AL SAQA 8162 | AS SALHIYAH DIST | RIYADH - 12662



+966 11 229 4473



info@digitalstarksa.com



+966 11 229 4473



www.digitalstarksa.com