www.mimakiusa.com

COMPANY PROFILE

Mimaki is a pioneer in the development of digital printing and cutting products worldwide. The company has engineered and manufactured a complete line of digital printers and cutters and offers a total workflow solution for the many applications found in the Sign & Graphics, Textile & Apparel and Industrial markets. Mimaki develops the complete product range for each group: hardware, software, and the associated consumable items such as inks and cutting blades. Mimaki excels in offering innovative, high quality, reliable printer products using a variety of technologies including latex, eco-solvent, solvent, aqueous dye sublimation, solvent UV and UV-LED.



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At Mimaki, we believe that our customers should have confidence that the engines of their business efficiently deliver consistently outstanding results.

Mimaki printers include core technologies that offer you peace-of-mind by including features that reduce exposure to certain risks that can delay – or halt – production.

COMPANY STORY

Mimaki USA opened its Atlanta headquarters office in 1999 and grew its presence in the U.S. to several locations. Today, it operates Technology Centers in or near major metropolitan centers including Atlanta, Boston, Milwaukee, Dallas, Los Angeles, Northern New Jersey & Toronto.

Mimaki Engineering CO., LTD is based and operates out of Tomi City, Nagano Japan.

More Info





INDUSTRY FIRSTS

As an innovative leader with a forward-looking vision Mimaki is always on the forefront of technological advancements in print and cut devices.

More Info

- 1987 - Cutting plotter using the eccentric cut method
- 1996 - Inkjet printer using water- based pigment ink
- 1998 - Piezoelectric textile inkjet printer
- 2002 - High-definition, low-cost eco-solvent inkjet printer
- 2004 - Inkjet printer using UV-curable white ink
- 2015 - Sublimation inkjet printer with high-gap printhead
- 2017 - UV LED 3D inkjet printer capable of full-color modelling using more than 10 million colors
- 2017 - Print & Cut Inkjet Printer UV-curable ink

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MEET THE TEAMS

TECHNOLOGY CENTERS

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Mimaki USA – Atlanta
150 Satellite Blvd NE
Suite A
Suwanee, GA 30024
Toll Free: 888-530-4021

Mimaki USA – Milwaukee
4700 W. Ryan Road
Franklin, WI 53132
Telephone: 414-367-2661

Mimaki USA – New Jersey
198 Green Pond Rd
Rockaway, NJ 07866
Toll Free: 855-897-2254

Mimaki USA – Los Angeles
150 W. Walnut Street Suite 100
Gardena, CA 90248
Toll Free: 888-530-3987

Mimaki USA – Texas
8080 Tristar Drive
Suite 114
Irving, TX 75063
Toll Free: 888-983-5496

Mimaki Canada – Toronto
20 Barnes Court
Bldg. G
Concord, ON L4K 4L4
905-738-3913











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SALES GUIDE

Topics covered by this presentation:

- Why Mimaki?
- How the CG-AR Series will enhance your business
- What to consider compared to competitive models

Mimaki USA

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CG-AR Series CUTTING PLOTTER

CG-60/130 AR

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MAIN FEATURES

1. Highroad of cutting plotter with stable functionality

- Cut functions of CG-AR Series to meet a variety of needs
- Clamp pressure can be changed between two levels to match the media

2. An evolved cutting plotter

- Highest cutting pressure in its class of 550g
- Maximum cutting speed: 105% faster than previous models
- Addition of a thick paper cutting option for creation of paper crafts and packages up to A3 size
- Standard pinch roller that can be raised and lowered in the center for more stable cutting
- Increased flexibility in sheet setting by reviewing clamp fixing points
- Additional grit roller support for stable transport (CG-60AR only)

3. Improved cutting efficiency

- Saving labor cost and efficient Print & Cut with ID Cut function
- Ethernet support for a free and efficient work environment
- Remote control to allow operation of the unit from a distance with your smartphone

4. More advanced usability

- Windows plotter driver supported! Easy to operate for first time users
- Design with usability in mind

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SYSTEM CONFIGURATIONS

PC



Connection

Ethernet and USB2.0 cable
of 5m is recommended

Recommended specifications
OS: <**Windows**> Microsoft® Windows® 7/8.1/10/11
<**Macintosh**> Mac OS X 10.7.5～10.11
MacOS 10.12～11
Software: Adobe® Illustrator®
CS6/CC/CC2014/CC2015/CC2015.3/
CC2017/CC2018/CC2019/2020/2021/2022

Design Software

Ai

CorelDRAW

NEW

Windows W X N P etc..

- Compatible format PS, EPS, TIFF, BMP, JPEG, PDF etc.
- PC, initial ink cost, transportation cost, installation cost, training cost, etc. are not included.
- CorelDRAW is only compatible with the overseas version of FineCut.

CG-AR Series System Configuration

CG-60/130 AR



Standard price
CG-60AR: $999
CG-130AR: $2,495

・Stand: Option of CG-60AR
Standard equipment of 130AR

・Sheet basket: Option of CG-60/130AR

<Software of CG-AR Series> Bundled

FineCut/Coat9 for Illustrator
FineCut/Coat9 for CorelDRAW

NEW Simple POP

Option/Supply NEW

・OPT-C0242 Sheet table (1 set)
・SPC-0888 Cutting sheet (2 sheets / 1 set)
・OPT-C0243 Creasing (1 piece)
・SPB-0092 Cutter for Heavy paper (3 pcs/set)

APPLICATIONS

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Sticker



Label



Car Film



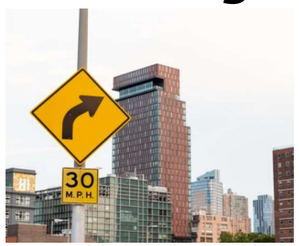
POP



Sign board



Traffic sign



Window sign



Wall sign



Iron rubber



Pen Plotting



NEW

Papercraft



NEW

Package

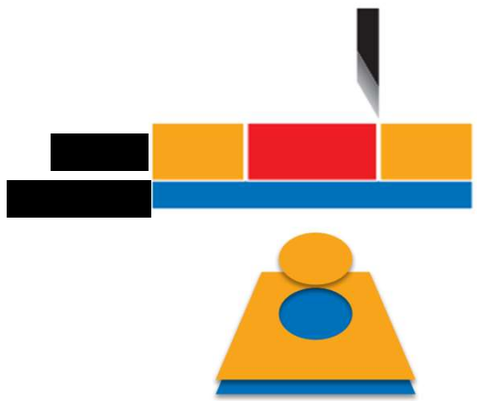


STABLE FUNCTIONALITY-1

Cut functions of CG-AR Series to meet a variety of needs

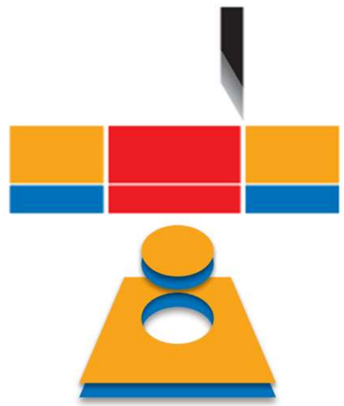
- **Normal Cut, Die Cut, Half Cut**

【Normal Cut】



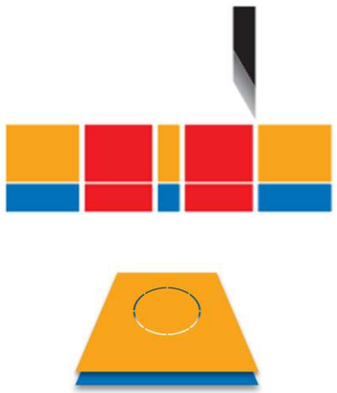
Cut leaving the base paper.

NEW 【Die Cut】



The base paper is also cut so that it can be cut out along with the design.

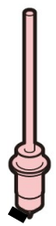
【Half Cut】



Cuts while leaving a small seam. Can be used to cut sticker contours and create POP folds.

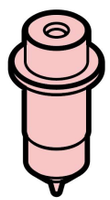
- **Plotting pen,** Creasing

【Plotting pen】



Accurate pen drafting for detailed architectural designs etc.

NEW 【Creasing】



To draw fold line on thick paper

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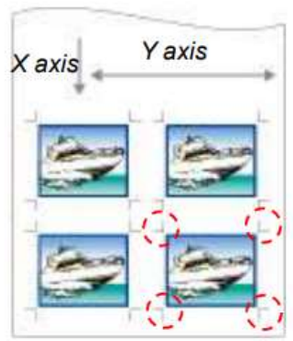
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STABLE FUNCTIONALITY-2

Cut functions of CG-AR Series to meet a variety of needs

● Continuous Crop Mark Detection

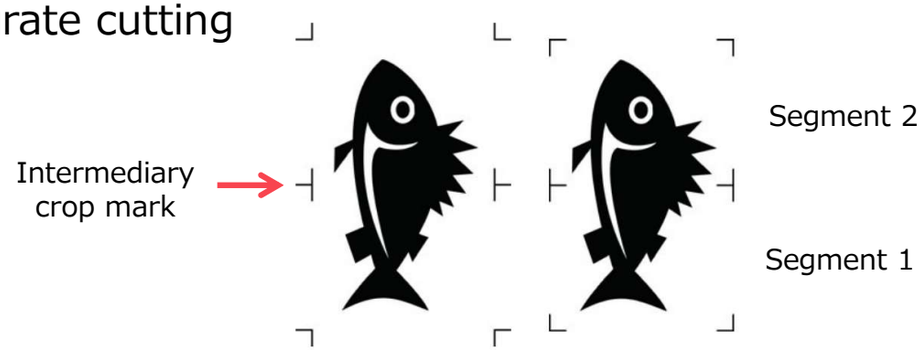
- A maximum of four crop marks are automatically and continuously detected so that printed images are accurately cut.
- Media can be cut efficiently without waste.



Continuous Crop Mark Detection

● Segment Compensation

Reads intermediate marks and corrects each segment before cutting, enabling accurate cutting without deviation even for long data.

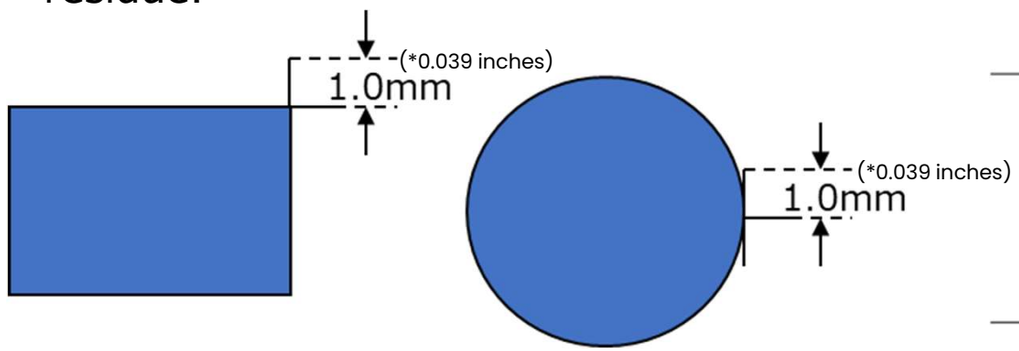


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STABLE FUNCTIONALITY-3

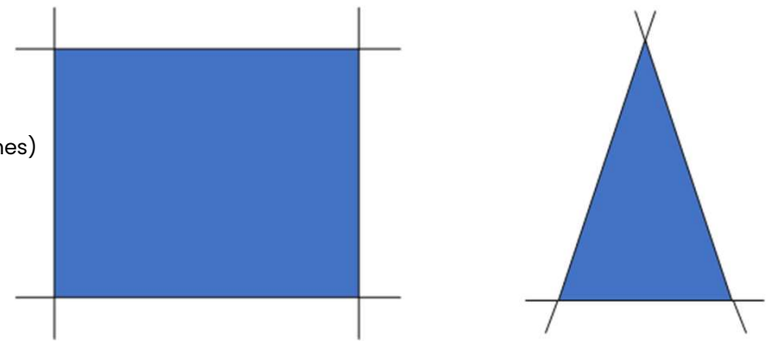
Cut functions of CG-AR Series to meet a variety of needs

【Over cut】
By overlapping the start and end points of the cut, even thick or sticky media can be cut without leaving any residue.



If an over cut length is specified, the tool will automatically add an extra length of cut at the beginning and the end of it.
(setting values: OFF, 0.1~1.0mm)

【Corner cut】
When cutting data that contains sharp corners, the edges can be cut sharply.



Not only the start and end point, but all corners have an extra length cut.
Ideal for sharp edges.

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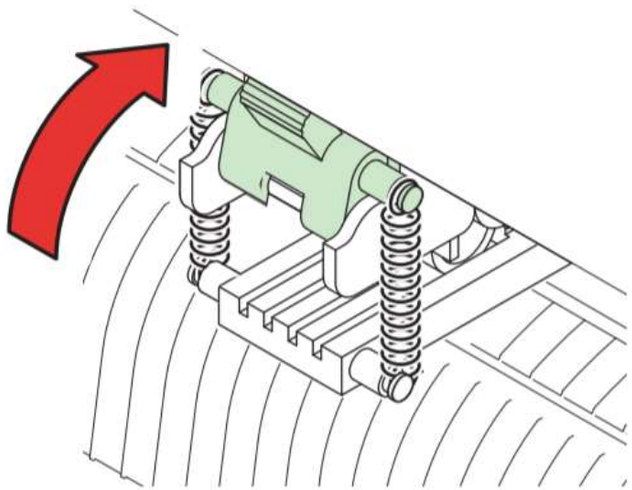
STABLE FUNCTIONALITY-4

Clamp pressure can be changed to match the media

Two-stage-pressure switching structure to expand the range of usable sheets.
Can be set to suit the application to improve cutting accuracy.

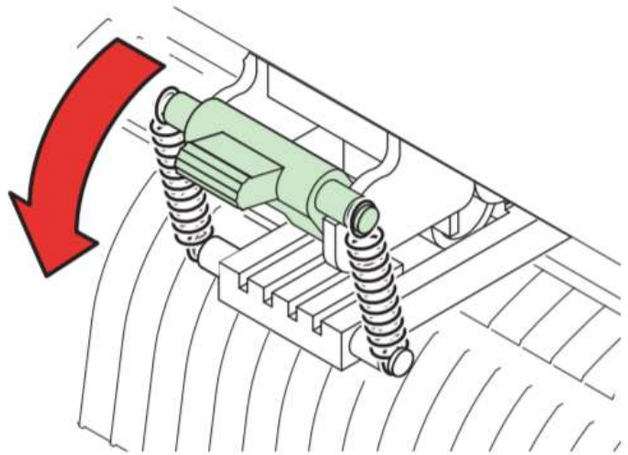
- High mode: For heavy-weight sheet of media (70 kg(154ibs) or 81g(0.18ibs)/m^2 or more) is used.
- Low mode: To minimize the impression of the pinch rollers on the sheet of media.

High mode



Raise the clamp pressure lever.

Low mode



Lower the clamp pressure lever.

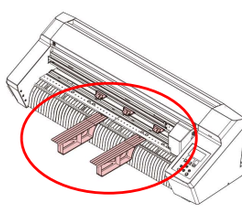
EVOLVED CUTTING PLOTTER-1

NEW

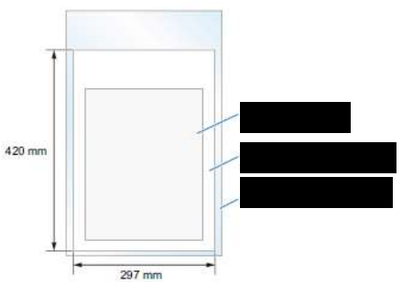
Addition of a thick paper cutting option for creation of paper crafts and packages up to A3 size

- CG-AR Series can cut out cardboard by adding optional products for cardboard cutting.

(1) Sheet table



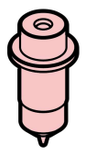
(2) Cutting Sheet



(3) Cutter for Heavy paper



(4) Creasing tool





Paper Craft



Paper Illustration



Figure



Bookmark



Package

Good for paper crafts and packages!

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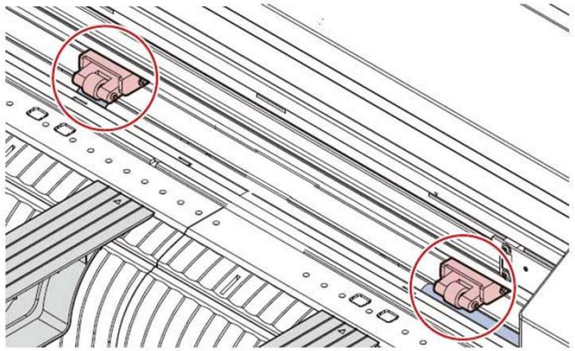
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EVOLVED CUTTING PLOTTER-2

NEW

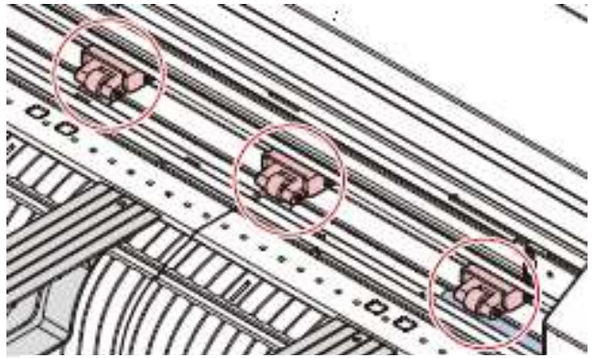
Standard pinch roller that can be raised and lowered in the center for more stable cutting

CG-60SRIII

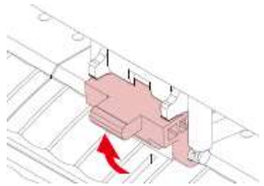


2 pinch rollers are equipped

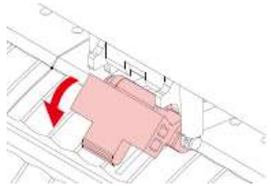
CG-60AR



3 pinch rollers are equipped



Center Pinch Roller OFF



Center Pinch Roller ON

- This center pinch roller can be raised or lowered depending on sheets.
- Capable of stably transporting sheet of different thicknesses and sheet that are difficult to transport.

[Advantages of using a lowered center pinch roller]

- Prevents misalignment of cuts - Enables stable transport

[Advantages of using a raised center pinch roller]

- Leaves no marks on the sheet - Can be used to prevent the sheet from floating

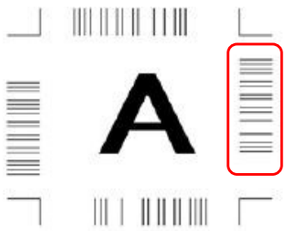
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IMPROVED CUTTING EFFICIENCY-1

NEW **Saving labor cost and efficient Print & Cut with ID Cut function**

■ It prevents mistakes in post processing

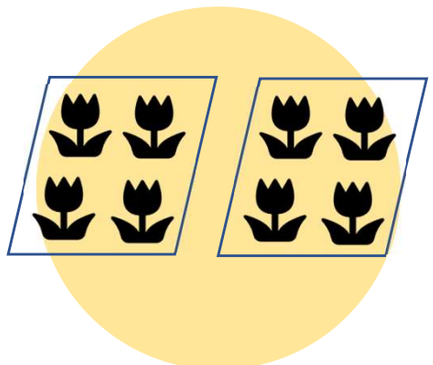
● With the ID Cutting function, set the media printed with JV100 Series to CG-AR Series and read the register marks to automatically start cutting. It reduces the labor of checking media set direction, and sending cutting data, also saves sending a wrong data.

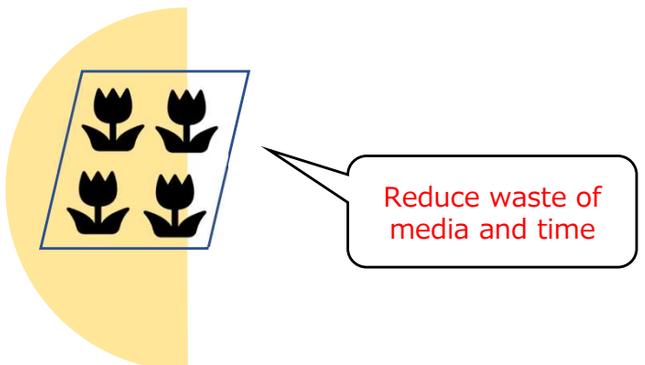


【ID Cut (with RasterLink 7)】
An ID that records cut and rotation information is printed at the same time around the job.
When the crop mark sensor reads the ID, it requests the cut data information from the PC and starts cutting automatically.
Since the ID is printed in four directions, the machine recognizes the orientation of the media and cuts it correctly no matter which way it is set.

Conventional operation
・A careful confirmation of media set direction is required after laminating.
・If cut mistake occurs, reprint is necessary.
Operator often prints extra numbers for precaution.

CG-AR Series
・No fear to set the direction of media.
・Not any extra prints are necessary for the care of mistake.
⇒ Reduce extra media and operation time





＊ If you use ID Cut, you will need to purchase a Mimaki's printer.

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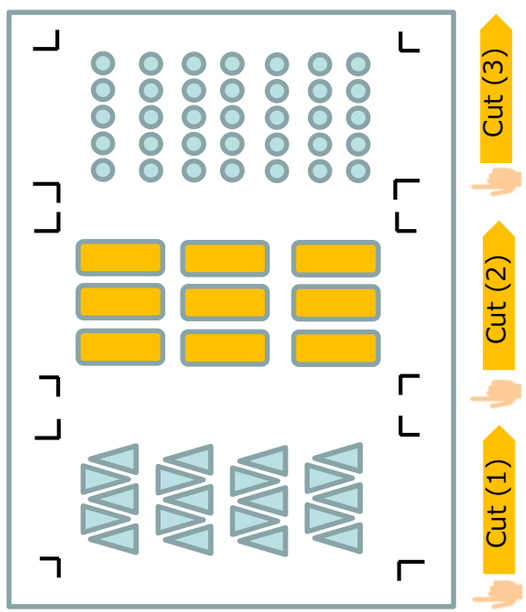
IMPROVED CUTTING EFFICIENCY-2

■Multiple types of cut by small lot of each is available easily by unmanned operation

● The ID cut function automatically and continuously reads the marks that used to be required for each data.
The number of times the operator's hands are required is dramatically reduced because the cut can be made continuously.

■ Previously

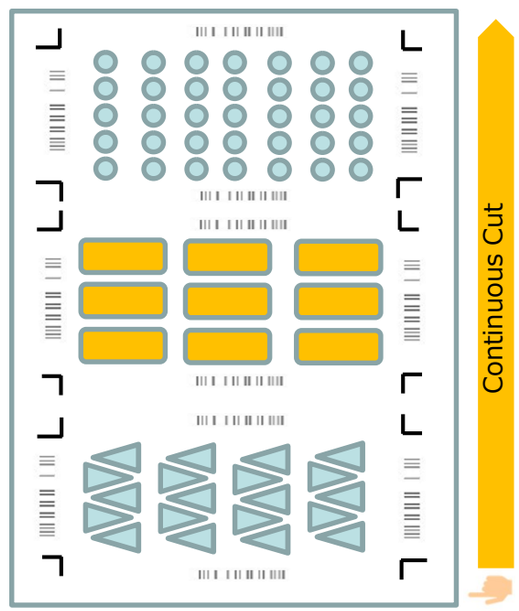
In the case of small quantities of various kinds of data, operator must cut one data at a time.



Operator is always necessary for confirming end of cutting and designating data.

■ CG-AR Series

No matter how many data there is, operator only need to do the cut operation once.



While cutting, unmanned operation is available.

* Requirement timing of operator work.

IMPROVED CUTTING EFFICIENCY-3

NEW

Remote control to allow operation of the unit from a distance with your smartphone

Mimaki Remote Access

【 Supported OS / Download method 】

Windows		Download from Microsoft Store
iPhone		Download from App Store
Android		To be supported in Ver. 1.2

Printer/Plotter







Windows PC



Same segment Network



Wireless router



Mimaki Remote Access



Enables status check and remote control from a distance.

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MORE ADVANCED USABILITY-1

NEW **Windows plotter driver supported! Easy to operate for first time users**

Windows plotter driver supported and enable to cut from Microsoft Office software.

〈PC〉



Windows

Office

Cut Data

〈CG-AR Series〉



You can output as if you were using a multifunction printer.

*If you want to use advanced functions such as cut order control and cut data with crop marks, you need to use Mimaki FineCut.

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MORE ADVANCED USABILITY-2

NEW Design with usability in mind

(Weight comparison)

Plotter Size	CG-AR Series	CG-SRIII Series
600mm	17kg	24kg
1,300mm	43kg	46kg

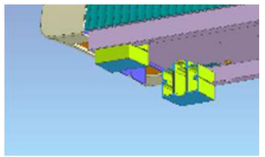
- **Improved assembly and installation due to design change.**

Weight reduction of up to 30% simplifies assembly.
The addition of rubber feet makes tabletop installation easier and more stable than before.

CG-AR



CG-SRIII



- **Cutter holder improvement.**

The cutter blade can be changed with fewer operations than before.
CG-SRIII: 4.5 turns → CG-AR: 2.5 turns

CG-AR



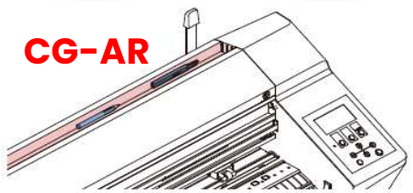
CG-SRIII



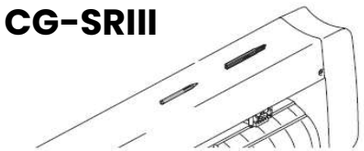
- **Improved trays for small items.**

Storage for tools and small items such as cutting blades.
The deep groove design prevents small objects from falling out.

CG-AR



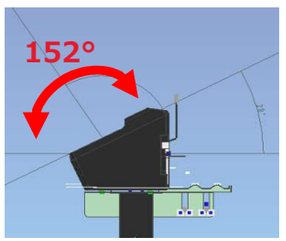
CG-SRIII



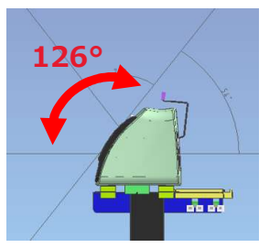
- **Improved angle of operation monitor.**

Control panel angle closer to the horizontal for a better view and easier operations.

CG-AR



CG-SRIII

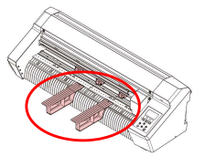


NEW OPTIONS & SUPPLIES

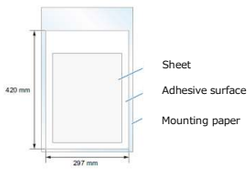
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1. Sheet table
Prevents the sheet from floating or shifting when using the Cutting Sheet.

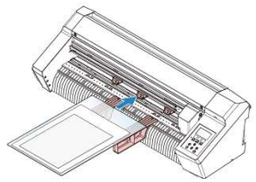
2. Cutting Sheet
Sheets for cutting out thick paper and coated cardboard.



Sheet table

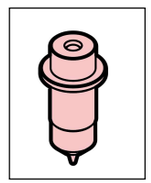


Cutting Sheet
(420mm×297mm)

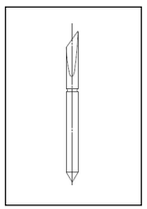


3. Creasing tool
Fold lines can be drawn on thick paper or coated cardboard.

4. Cutter for Heavy paper
Blade suitable for cutting out thick paper and coated cardboard.



Creasing tool



Cutter for
Heavy paper

5. Cutter holder
Configuration change to add a new cutter holder.

6. STAND FOR CG-60AR
Newly added by design change to reduce weight and simplify assembly.



Cutter holder

BLADE SUPPLY LIST

CG Series Genuine Cutter Blade
For details, please refer to the video (access by QR code)



① Blade for Low pressure（SPB-0030） Standard

Standard attachment to the CG series for vinyl chloride sheets.
The cutting pressure can be set lower than SPB-0001.
High quality cutting is possible, even when cutting thin PVC.





② Carbide cutter（SPB-0001）

Blade for vinyl chloride sheets.
More durable than SPB-0030 and effective for cutting thick PVC and thick rubber sheets under high pressure.





③ Blade for small letters（SPB-0003）

This is a blade for PVC sheets that can cut cleanly small letters of 20 mm or less.





④ Blade for reflective sheet（SPB-0006）

Ideal blade for cutting reflecting sheet. High durability thanks to its titanium coating.

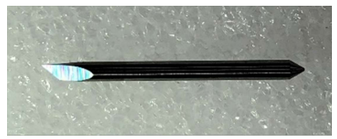




⑤ Cutter for fluorescent sheet（SPB-0007）

Blade for fluorescent sheets.
Effective for cutting fluorescent sheets, which are harder than PVC and more durable than cutters for vinyl chloride.





⑥ Cutter for thick rubber（SPB-0084）

Blade is for rubber sheets up to 0.8 mm thick.
The backing paper of the rubber sheet must be hard.





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SPECIFICATIONS

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Item		CG-60AR	CG-130AR
Acceptable sheet width		90～740 mm / 4～28 inches	90～1,550 mm / 4～60 inches
Effective cutting area[*1]		606 mm x 51 m (23.9 in x 55.8 ft)	1,370mm x 51m (53.9 in x 55.8 ft)
Maximum speed		Cutting: 73 cm/s (28.7 in/s) , Moving at 45° direction: 103 cm/s (40.5 in/s)	
Speed setting (cutting/plotting)		1～10 cm/s (in 1 cm/s steps) (0.4～3.9 in/s (in 0.4 in/s steps)) 10～70 cm/s (in 5 cm/s steps) (3.9～27.6 in/s (in 2.0 in/s steps))	
Mechanical resolution		X: 2.5 µm, Y: 5 µm	
Program steps		25, 10 µm (MGL-IIc) 100, 50 µm (MGL-Ic1)	
Repeatability		0.2 mm / 2m (excluding expansion/contraction due to film temperatures) 0.0079 in / 6.6 ft. (excluding expansion/contraction due to film temperatures)	
Guaranteed range of accuracy		586 mm x 2m (23.9 in x 6.6 ft.)	1,350mm x 2m (53.9 in x 6.6 ft.)
Maximum pressure		550 g	
Pressure setting	Cutter	10～20 g (2 g step) 20～100 g (5 g step) 100～550 g (10 g step)	
	Pen	10～20 g (2 g step) 20～100 g (5 g step) 100～150 g (10 g step)	
	Creasing (Option)	10～20 g (2 g step) 20～100 g (5 g step) 100～550 g (10 g step)	
Compatible films		PVC sheets (0.25 mm thick or less, included laminated sheet), fluorescent sheets[*2], reflective sheets[*2], rubber sheet, Coated cardboard[*3] (with option)	
Applicable tools		Eccentric cutters, Ball-point pens[*4], Creasing tool (Option)	
Commands[*5]		MGL-IIc, MGL-Ic1	
Interface		USB, RS-232C, Ethernet	
Receiver buffer		Approximately 27 MB standard (Approximately 17MB when the sorting function is effective.)	
Operating environment		5 to 35°C (41 to 95°F), 35 to 75 % (Rh) Non-condensing	
Power capacity		AC100 to AC240 V 140 W to 168 W	AC100 to AC240 V 190 W to 228 W
Outside dimensions (W x D x H)		1,030 mm x 287 mm x 335 mm (40.6 in x 11.3 in x 13.2 in)	1,830 mm x 580 mm x 1,150 mm (72.0 in x 22.8 in x 45.3 in)
Weight		17 kg /37.5ibs (without stand), 27 kg/59.5ibs (with stand)	43 kg /94.8 ibs
Stand		Option	Standard equipment
Sheet basket		Option	

*1. The maximum feed length is limited by the software and by the sheet setting condition or by the effect of obstacles encountered on the sheet path.
As a rule of thumb, limit the maximum feed length for one of the data to 2 m.
*2. When using the blade dedicated for fluorescent sheets (SPB-0007) or the blade dedicated for reflective sheets (SPB-0006).
*3. Thick coated paperboard may degrade the cutting quality and accuracy.
*4. Use the tools supplied as standard accessories.
If any other ball-point pen available on the market is to be used, select the one whose diameter is 8 to 9 mm and which is free from bumps or taper in the area to be clamped. The image quality is not guaranteed because the pen tip position differs depending on the pen in use.
*5. With the USB connection, the ESC type commands among the MGL-IIc commands cannot be used.

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