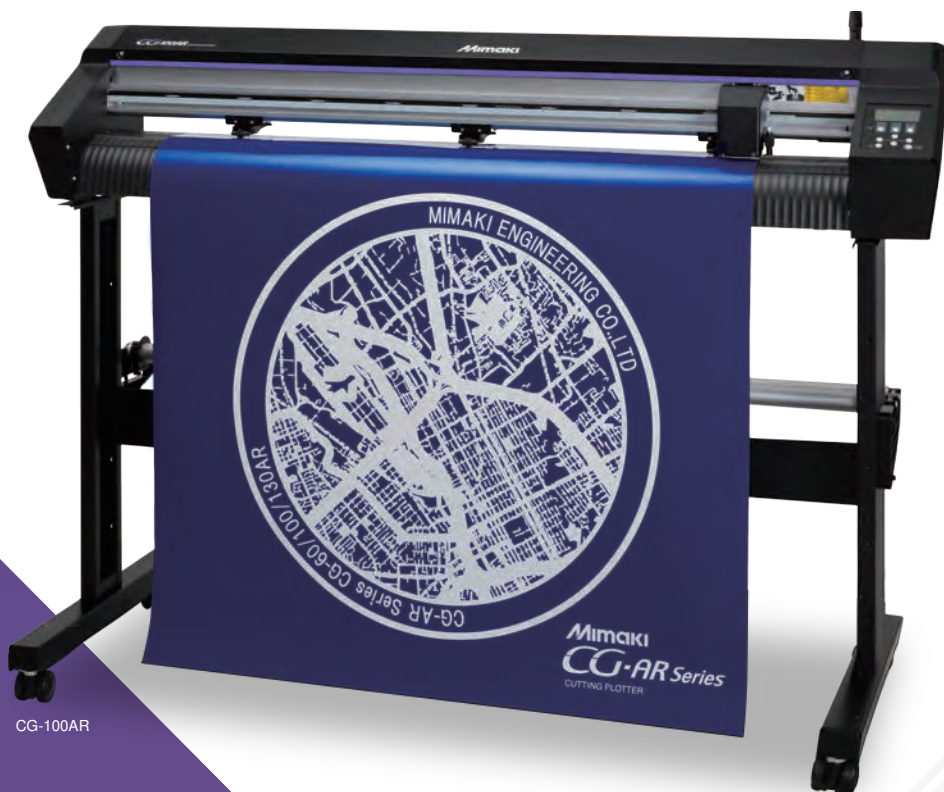


# CG-AR Series

CUTTING PLOTTER

CG-60AR/100AR/130AR

"Stay sharp" More profit per cut



CG-100AR

- 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

#### Application



#### Cardboard cutting



#### 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/Coat9**  
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**  
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.

## Various convenient functions


### Over cutting and corner cutting

Over cutting and corner cutting of starting & ending points and other corners are possible, which prevents incomplete cutting.

Over cutting ○ Corner cutting ○



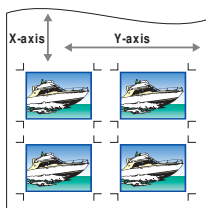
Starting point & ending point



Other than starting & ending points

### Split cut

Cut is performed by splitting a space larger than the sheet width or splitting long data in the X-axis (feed) direction and the Y-axis (width) direction to avoid cut position gap.



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

## Product specifications

| 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 <sup>1</sup>                  | 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 - 10 cm/s (1 cm/s step adjustment), 10 - 73 cm/s (5 cm/s step adjustment)  |   |  |
| Mechanical resolution                       | X-axis: 2.5 μm, Y-axis: 5 μm   |   |  |
| Program step                                | 25, 10 μm (MGL-II c) / 100, 50 μm (MGL-I c1)   |   |  |
| Repetition accuracy <sup>2</sup>            | 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  |   |  |
| Set pressure                                | 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 (option)   | 10 - 20 g (2g step), 20 - 100 g (5 g step), 100 - 550 g (10 g step) |  |
| Applicable (cuttable) media <sup>3, 4</sup> | PVC sheet (0.25 mm thick or less; laminated), rubber sheet, fluorescent sheet and reflective sheet<br>Cardboard (used in combination with an optional sheet table) |   |  |
| Usable tools <sup>5</sup>                   | Eccentric cutter, commercially available ball-point pen, Creasing tool (option)  |   |  |
| Commands <sup>6</sup>                       | MGL-II c / I c1  |   |  |
| 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;<br>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" × 22.8" × 45.7") (with the stand)  |   |  |
| Weight                                      | 17 kg (37.5 lb)  | 35 kg (77.2 lb)   | 43 kg (94.8 lb)                                |
|   | 27 kg (59.5 lb) (with the stand)   |   |  |
| Stand                                       | Options  | Standard equipment  |  |


<sup>1</sup>1. Feed length is limited depending on the software used.  
<sup>2</sup>2. The accuracy depends on Mimaki-designated media, cutter blade and cutting conditions. See the operation manual for details.  
<sup>3</sup>3. For fluorescent and reflective sheets, use the blade dedicated to each material.  
<sup>4</sup>4. Thick cardboard may reduce cut quality and precision.  
<sup>5</sup>5. Use a commercially available ball-point pen with dia. 8-9 mm and without protrusion nor taper on the clamp position.  
<sup>6</sup>6. During the use of USB or Ethernet connection, ESC-based MGL-IIc commands are unavailable.

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## 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. <sup>1, 2</sup>


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.



<sup>1</sup>1. Dedicated options: Sheet table, Cutting sheet, Blade for heavy paper, and Creasing tool  
<sup>2</sup>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.



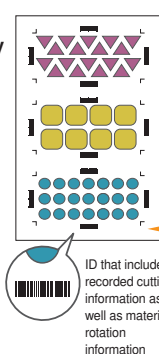
## Equipped with an ID cut function, realizing efficient print & cut

"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<sup>3</sup>. Data transmission from the PC is completed with one-time operation, which drastically saves labor for print & cut and enhances work efficiency.

<sup>3</sup>3. Compatible with the JV300Plus Series and the JV/UJV100 Series



### ID cut function



## 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 |