

CUTTING PLOTTER

# CG-SR III Series

## CG-60/100/130SR III

**Mimaki**™

Product Brochure

**Extreme curve  
cutting speed**

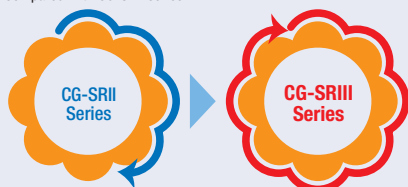


### High Productivity

#### Doubled Curve-Cutting Speed\*

The production speed of complicated cutting tasks has improved greatly.

\* Compared with CG-SRII series



### Accurate Contour Cutting

#### Ideal for creating seals

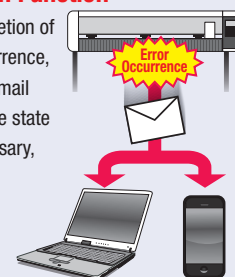
"Continuous Crop Mark Detection" enables the continuous contour cutting of nested data. The new "Segment Correction Function", which detects intermediate crop marks, enables accurate contour cutting of long-length prints. Furthermore, the original "Half Cut Function" enables easy removal of the nested data.



### Remote Monitoring

#### Event Notification Function

Events, such as completion of cutting and error occurrence, are sent to a preset e-mail address. Monitoring the state of machine is unnecessary, enabling unattended operation.



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## CG-SR III Series

### CG-60/100/130SR III

Affordably priced but technologically advanced. Achieve the highest return on your investment.

#### Wider Application Possibilities

With a best-in-class cutting pressure of 500g, the range of materials for various applications is increased.

Clamp pressure can be switched in two levels in order to cover a wide range of sheets including thick materials.

The optional sheet basket enables stable long-length cutting.

#### Bundled with two exclusive software programs

##### fine Cut 8

Fine Cut 8 is plug-in software for Illustrator CS6 and CorelDRAW, which meet all high level cutting needs, such as the creation of contour cut data from images, or division cutting with a tiling function.

##### Simple Cut

Simple Studio enables the drawing and editing of figures and characters, enabling the easy creation of cutting data.

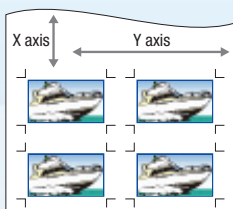


#### User-friendly with various functions

##### Continuous Crop Mark Detection

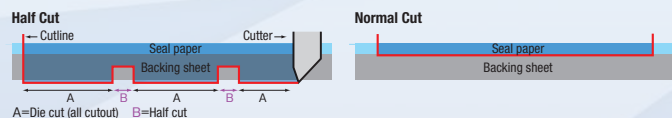
Crop marks are automatically and continuously detected. Printed graphics are accurately contour cut due to the compensation for image distortion. The detection of a maximum of 4 crop marks provides a precision finish.

Nested data which are continuously arranged in the directions of X-axis and Y-axis are cut by automatically making corrections.



##### Half Cut Function

Cutting printed graphics while leaving a few joints make it possible to cut figures, designs from substrates with backing sheets, fold lines for POP, and many other applications.

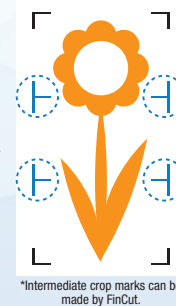


##### Segment Compensation

Intermediate crop marks of the feed direction are detected, enabling four-point corrections for each segment. This leads to accurate, long-length cutting, even if the image is distorted.

##### User Upgrade of Firmware

A tool for keeping the firmware up-to-date is provided. The upgrade can be done quickly and easily by the user, thus ensuring the firmware is in the latest condition.



##### Other Functions

- Division Cut Function** Division cut of data larger than sheet width.
- Overcut Function** Minimize uncut portions by overlapping the starting and ending point.
- Larger LCD** 3-inch LCD (liquid crystal display) ensures easy operation.
- Ethernet Connection** Network control via integration into office LAN.

#### Specifications

| Item                      | CG-60SR III  | CG-100SR III           | CG-130SR III           |
|---------------------------|--|------------------------|------------------------|
| Acceptable sheet width    | 90~740 mm  | 90~1,250 mm            | 90~1,550 mm            |
| Effective cutting area    | 606 mm   | 1,070 mm               | 1,370 mm               |
| Maximum speed             | Cutting: 70 cm/s, Moving: 100 cm/s   |                        |                        |
| Adjustable speed range    | 1 - 10 cm/s (1 cm/s step adjustment), 1 - 70 cm/s (5 cm/s step adjustment)   |                        |                        |
| Mechanical resolution     | X direction: 2.5 μm, Y direction: 5 μm   |                        |                        |
| Command resolution        | 25 μm or 10 μm (MGL-IIc) / 100 μm, 50 μm (MGL-Ic1)   |                        |                        |
| Repeatability*1           | ± 0.2 mm / 2 M   |                        |                        |
| Effective Repeatability*2 | 586 mm × 2 M   | 1,050 mm × 2 M         | 1,350 mm × 2 M         |
| Maximum pressure          | 500g   |                        |                        |
| Range of down pressure    | Cutter: 10 - 20 g (2 g step), 20 - 100 g (5 g step), 100 - 500g (10g step)<br>Pen: 10 - 20 g (2 g step), 20 - 100 g (5 g step), 100 - 150g (10 g step) |                        |                        |
| Acceptable sheet*2        | Vinyl sheet, Fluorescent type vinyl sheet, Reflective sheet, Rubber sheet  |                        |                        |
| Acceptable tool*3         | Cutter, Ball-point pen   |                        |                        |
| Type of command           | MGL-IIc / MGL-Ic1  |                        |                        |
| Interface                 | USB2.0, RS-232C, Ethernet  |                        |                        |
| Receiver buffer size      | 27 MB Standard (When sorting, 17 MB)   |                        |                        |
| Operational environment   | 5 - 35 °C, 35 - 75 % (Rh), Non-condensation  |                        |                        |
| Power requirement         | AC 100 V - 240 V, 145 VA or less   |                        |                        |
| Dimensions (W x D x H)    | 1,030 × 430 × 335 mm<br>(1,030 × 430 × 1,185 mm)*4   | 1,530 × 580 × 1,150 mm | 1,830 × 580 × 1,150 mm |
| Weight                    | 24kg   | 41kg                   | 46kg                   |
| Stand                     | Optional equipment   | Standard equipment     | Standard equipment     |

\*1 Except for media expansion and contraction due to temperature.

\*2 Operated with Mimaki specified media, cutter and cutting conditions. Thickness of rubber and its cutting speed are limited.

Guaranteed accuracy environment: Temperature 12-25°C, Humidity 45-65%

\*3 Our dedicated cutter blade and specified commercial ball-point pens are available. (Drawing quality of ball-point pen is not warranted)

\*4 When equipped with the optional stand (OPT-0231)

#### Supplies & Options

| Item                                      | Quantity | 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  |
| APC blade set (rubber sheet)              | 3        | SPB-0082  |
| Cutter holder                             | 1        | SPA-0090  |
| Pen adaptor                               | 1        | SPA-0169  |
| Refill type pen adaptor                   | 1        | SPA-0183  |
| Refill lead for Mitsubishi ball-point pen | 10       | SPC-0726  |
| Stand for CG-60                           | 1        | OPT-C0231 |
| Sheet basket 60                           | 1        | OPT-C0234 |
| Sheet basket 100                          | 1        | OPT-C0232 |
| Sheet basket 130                          | 1        | OPT-C0233 |
| Roll shaft 100                            | 1        | OPT-C0223 |
| Roll shaft 130                            | 1        | OPT-C0224 |



CG-60SR III self-standing sheet basket is optional.  
CG-100SR III and CG-130SR III sheet baskets are optional.

●Some of the samples in this catalogue are artificial renderings. ●Specifications, design and dimensions stated in this catalogue may be subject to change without notice (for technical improvements, etc.). ●The corporate names and merchandise names written on this catalogue are the trademark or registered trademark of the respective corporations. ●Inkjet printers print using extremely fine dots, so colors may vary slightly after replacement of the printing heads. Also note that if using multiple printer units, colors could vary slightly from one unit to other unit due to slight individual differences.



Our factory is certified according to ISO14001:2004

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