



- Register mark detection for accurate contour cutting
- Mimaki's half-cut function: cut through the media leaving connection points; the image stays in place
- Long accurate tracking
- User friendly finecut software included – plug-in for print and cut solutions



Media baskets are optional

CG-75 **CG-130** **CG-160**
(Max. width 76 cm) (Max. width 130 cm) (Max. width 160 cm)

- ROLL CUTTER**
- 760/1300/1600** MM
CUTTING WIDTH
- 100** CM/S
MAX. SPEED
- ACCURATE
Contour Cutting
- Half Cut**
FUNCTION
- Plug-in Software**
INCLUDED

Half-Cut or Through Cut

Always on the Cutting Edge

Mimaki's precise and reliable roll cutting plotters

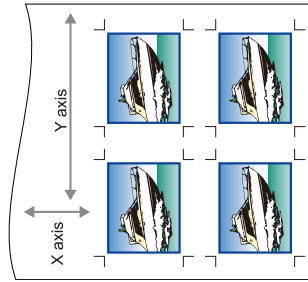
MARKET
SIGN GRAPHICS

Expanding business opportunities with innovation

High speed continuous register mark detection



Registration mark detection



For precise contour cutting of printed images, such as stickers, the optical sensor detects register marks that are printed on the media. By recognizing these marks, the distance to the image is calculated accurately.

By continuously detecting a maximum of 4 register marks nested images in both X and Y axis direction can be cut aligning each image automatically. Detecting one register mark is sufficient when using Mimaki's FineCut software.

Engineered Head Unit

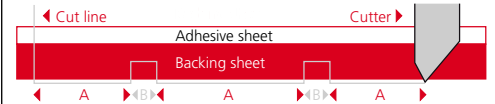
Media can be automatically cut by a standard sheet cutter.



Automatic sheet Light pointer Swivel cutter



High speed continuous register mark detection "Half-Cut function", a proprietary technology of Mimaki



All Mimaki CG series cutters include Mimaki's original Half-Cut function. This function produces a series of half-and die-cuts leaving a few connection points that keeps the image in place. When the job is done the sticker/ image can be taken out easily or the complete sheet or roll can be sent to the customer. Various media without backing sheet can also be Half-Cut.

Specifications

Item	CG-75FX-II	CG-130FX-II	CG-160FX-II
Acceptable sheet width	90mm~1,040mm (3.54"~40.9")	90mm~1,580mm (3.54"~62.0")	90~1,880mm (3.54"~74")
Acceptable roll sheet	Outer less than ϕ 200mm, Roll weight less than 18kg		Outer less than ϕ 200mm Roll weight less than 22kg
Effective cutting area ¹	760mm×51m (29.9"×167')	1,300mm×51m(51.2"×167')	1,600mm×51m(62.9"×167')
Maximum auto cutting width ²	870mm (34.2")	1,425mm (56.1")	1,720mm (67.7")
Maximum cutting speed	100cm/s (39.3"/s)		
Maximum moving speed	140cm/s (55"/s)		
Adjustable speed range ³	1-10cm/s : 1cm step adjustment(0.39"~3.94"/s : 0.39" step adjustment)		
	10-50cm/s : 5cm step adjustment(3.94"~19.68"/s : 2" step adjustment)		
	50-100cm/s : 10cm step adjustment(19.68"~39.37" : 3.94" step adjustment)		
Mechanical resolution	5 μ m(0.0002")		
Command resolution	25 μ m or 10 μ m(0.001" or 0.0004")-MGL-IIc		
Repeatability	\pm 0.2mm (Excluding shrinkage /expansion caused by the film temperature)		
Pen pressure	400g		
Range of down pressure	Cutter	10~20g(2g step), 20~100g(5g step), 100~400g(10g step)	
	Pouncing	10~20g(2g step), 20~100g(5g step), 100~400g(10g step)	
	Pen	10~20g(2g step), 20~100g(5g step), 100~150g(10g step)	
Acceptable sheet ⁴	Acceptable	Vinyl up to 0,15mm(0,006")thickness, Fluorescent type vinyl Reflective sheet	
sheet for pouncing ⁵		Paper thickness: 0.06~0.13mm (0.0024"~0.005")	
Applicable tools ⁶		Cutter, Water based ball-point pen Oil based ball-point pen, Pouncing tool	
Type of command		MGL-IIc	
Interface		RS-232C,USB	
Receiver buffer size		30MB Standard (20MB when in sorting)	
Operational	Temperature	5~35°C (41~95°F)	
	Humidity	35~75%(Rh) Non-condensation	
Power requirement		AC100V~240V	
Power consumption		130VA or less	
Dimensions (W×D×H)	1,285mm (50.5")×700mm (27.5")×1,217mm (47.9")	1,825mm (71.8")×700mm (27.5")×1,217mm (47.9")	2,125mm (83.6")×700mm (27.5")×1,217mm (47.9")
Weight (with stands)	50kg(110 lbs.)	60kg(132 lbs.)	69kg (152lbs.)

Optional Tools and Accessories

	CG-75FX-II	CG-130FX-II	CG-160FX-II
Cutter holder	SPA-0090		
Blade for sheet cutter	SPA-0119		
Pouncing set	OPT-C0095 (Holder×1, Needle×2)		
Pen-line rubber	SPC-0358	SPC-0353	SPC-0381
Pen-line sponge	SPC-0359	SPC-0354	SPC-0382
Roll set	OPT-C0185	OPT-C0183	OPT-C0187
Sheet basket	OPT-C0184	OPT-C0182	OPT-C0186

Variety of Blades

	CG-75FX-II	CG-130FX-II	CG-160FX-II
Standard Blade for Vinyl	SPB-0030		
For Reflective sheet	SPB-0006		
For Fluorescent sheet	SPB-0007		
For Vinyl sheet and paper	SPB-0001		
For Small character	SPB-0003		

- *1 : Maximum sheet feeding length differs depending on the software.
- *2 : Sheet width to cut off from the roll.
- *3 : Restricted sheet width.
- *4 : Provided that the blade specific to fluorescent type vinyl (SPB-0007) and the blade specific to reflective sheet (SPB-0006) are used.
- *5 : Pouncing tool intended specifically for pouncing shall be used.
- *6 : The goods on the market are ϕ 8~ ϕ 9 Pen. No guaranty with accuracy, and image quality.

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- Specifications are subject to change without notice.

Print and Cut Combo with JV33 Series



True and efficient print and cut workflow with Mimaki's award winning JV33 Series wide format inkjet printer.

Desktop Type Cutting Plotters – the CG-60 Series



Continuous Registration Mark Detection and Half-Cut function for precise contour cutting.



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