

CUTTING PLOTTER

FXII *new* series

Mimaki

CG-75FXII CUTTING PLOTTER CG-130FXII CUTTING PLOTTER CG-160FXII CUTTING PLOTTER

World standard of multi cutting plotter

- Continuous crop mark detection
- Long accurate tracking
- FineCut – Plug-in for print & cut solutions



Expressiveness and Functionality

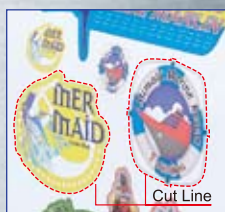
Print & Cut

Precise contour cutting
to make stickers and seals

Printing by the
JV33 series



Contour cutting
by the CG-FXII
series



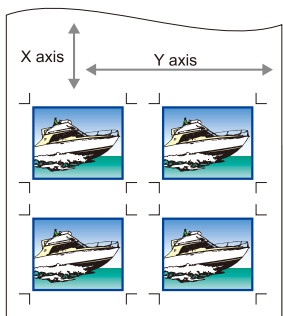
Plug-in cutting software
is included

Fine Cut 7
for Illustrator CS3 and CorelDRAW

- Selectable clamp pressure with high and low setting ensures accurate cutting of various media.
- Selectable three jog speeds ensure proper and easy positioning of the head to the point.
- Over-cut function makes the starting and ending points overlapped, which eliminates uncut portion of the media.
- Media can be loaded from back or front.
- Up to 6 roll media can be set at a time (1 set standard).
- Plug-in cutting software for CorelDRAW and Illustrator is included.
- A special adaptor to use commercially available pens and USB interface are included.



Light pointer easily adjust the head position to crop marks



High speed continuous crop mark detection

An optical sensor enables automatic consecutive detection of crop marks throughout the nested image which the inkjet printer prints, in combination with the automatic adjustment function to obtain precise contour cutting.

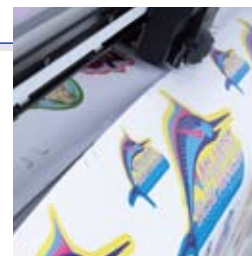
By continuously detecting a maximum of 4 points, nested images in both X and Y axis can be cut aligning each image automatically.

Engineered Head Unit

Media is automatically cut by a standard sheet cutter.

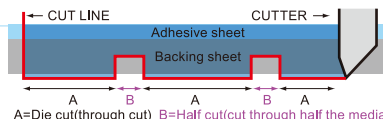


Automatic sheet cutter Light pointer Swivel cutter



"HALF CUT" mechanism, a proprietary technology of Mimaki

With the original half cut function, the backing sheet can be cut leaving a little bit of half cut connecting points, which can be easily detached when necessary. Various media without backing sheets can be also 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	5μm(0.0002")		
Command resolution	25μm or 10μm(0.001" or 0.0004")-MGL-IIc		
Repeatability	±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		
Acceptable 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.)

●All trademarks or registered trademarks are the property of the respective owners.
●Specifications are subject to change without notice.

- *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 φ8~φ9. No guarantee with accuracy, and image quality.

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		

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