

CUTTING PLOTTER

FXII series *new*

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



Media baskets are optional.

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.

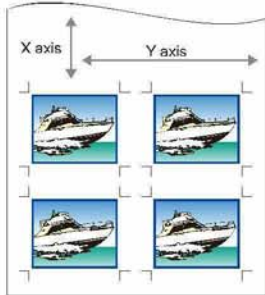


Light pointer easily adjust the head position to crop marks

High speed continuous crop mark detection

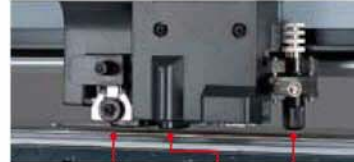
An optical sensor enables automatic consecutive detection of crop marks throughout the nested image which the Inkjet printer prints, in combination with the automatic adjustment function to obtain precise contour cutting.

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.

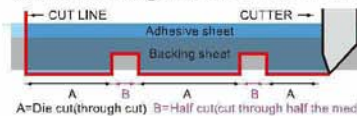


Automatic sheet cutter Light pointer Swivel cutter



"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.



A=Die cut(through cut) B=Half cut(cut through half the media)



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 φ200mm, Roll weight less than 18kg		Outer less than φ200mm 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-lic		
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 sheet for pouncing ⁵	Vinyl up to 0.15mm(0.006")thickness, Fluorescent type vinyl Reflective sheet 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-lic		
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 (47.8")	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.)

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- Specifications are subject to change without notice.

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