

CUTTING PLOTTER

# FXII 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



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



#### Domed Sticker



\*A separated kit for the doming process is required

- 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.
- Media can be loaded from back or front.
- Up to 6 roll media can be set at a time(1 set standard).
- A special adaptor to use commercially available pens and USB interface are included.



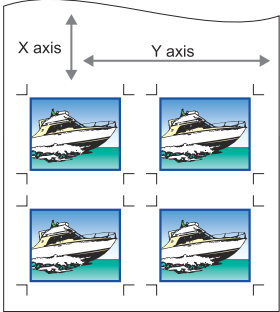
Plug-in cutting software is included  
**fine Cut 8**  
for Illustrator® for Windows / Macintosh  
for CoreIDRAW for Windows



**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.

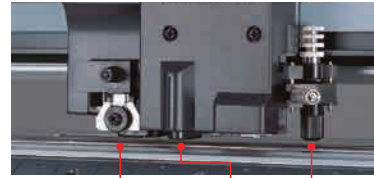
Light pointer easily adjust the head position to crop marks



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.

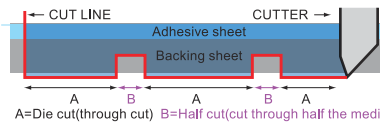


Automatic sheet cutter Light pointer Swivel cutter



**“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)



Die cut and half cut

**Specifications**

Item	CG-75FX-II	CG-130FX-II	CG-160FX-II
Acceptable sheet width	90 mm-1,040 mm (3.54"-40.9")	90 mm-1,580 mm (3.54"-62.0")	90 - 1,880 mm (3.54"-74")
Acceptable roll sheet	Outer less than φ 200 mm, Roll weight less than 18 kg		Outer less than φ 200 mm Roll weight less than 22 kg
Effective cutting area*1	760mm×51m (29.9"×167')	1,300mm × 51 m (51.2"×167')	1,600mm × 51 m (62.9"×167')
Maximum auto cutting width*2	870mm (34.2")	1,425mm (56.1")	1,720mm (67.7")
Maximum cutting speed	100 cm/s (39.3"/s)		
Maximum moving speed	140 cm/s (55"/s)		
Adjustable speed range*3	1-10 cm/s : 1 cm step adjustment(0.39" - 3.94"/s : 0.39" step adjustment)		
	10-50cm/s : 5 cm step adjustment(3.94" - 19.68"/s : 2" step adjustment)		
	50-100cm/s : 10 cm step adjustment(19.68" - 39.37"/s : 3.94" step adjustment)		
Mechanical resolution	5 μm(0.0002")		
Command resolution	25 μm or 10 μm(0.001" or 0.0004")-MGL-IIc		
Repeatability	±0.2mm (Excluding shrinkage /expansion caused by the film temperature)		
Pen pressure	400 g		
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 for cutting*4	Vinyl up to 0.25mm(0.01")thickness, Fluorescent type vinyl Reflective sheet		
Acceptable sheet for bouncing*5	Paper thickness: 0.06-0.13 mm (0.0024"-0.005")		
Applicable tools*6	Cutter, Water based ball-point pen Oil based ball-point pen, bouncing tool		
Type of command	MGL-IIc		
Interface	RS-232C,USB		
Receiver buffer size	30 MB Standard (20 MB when in sorting)		
Operational	Temperature	5-35°C (41-95°F)	
	Humidity	35-75%(Rh) Non-condensation	
Power requirement	AC 100 V-240 V		
Power consumption	145 VA or less		
Dimensions (W×D×H)	1,285 mm (50.5")×700 mm	1,825 mm (71.8")×700 mm	2,125 mm (83.6")×700 mm
	(27.5")×1,217mm (47.9")	(27.5")×1,217 mm (47.9")	(27.5")×1,217 mm (47.9")
Weight (with stands)	50 kg(110 lbs.)	60 kg(132 lbs.)	69 kg (152 lbs.)

●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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**Mimaki Global Network**

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