

Mimaki

World standard of multi cutting plotter

CG-FX series CG-75FX CUTTING PLOTTER / CG-130FX CUTTING PLOTTER / CG-160FX CUTTING PLOTTER

- High speed continuous crop mark detection
- Automatic media cut (Y direction)

FX Series



Expressiveness and Functionality

Create Stickers Without Pattern!



Nesting with the Inkjet plotter JV3 series

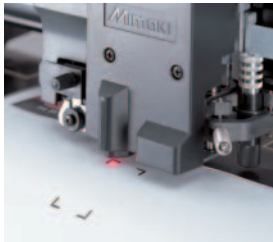


Cutting with the CG-FX series as a Print-cut solution



Equipped with Plug-in cutting software
“Fine Cut 7”
for CorelDRAW and
“Fine Cut 7”
for Illustrator

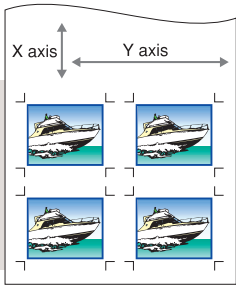
- Selectable clamp pressure with high and low setting to permit a more accurate cut.
- Selectable jog speed of low/medium/high settings to ensure proper and easy positioning of the head.
- You can load media from back or front.
- RS232C, USB interface is available.
- The media roll holder will hold a total of 6 rolls simultaneously.
- Optional and exclusive pen adapter can be used.
- Pouncing tool is available as an option.



High speed continuous crop mark detection

An optical sensor enables automatic consecutive detection of registration marks throughout the nested image which the Inkjet printers print, in combination with the automatic correcting feature that allows you to obtain a precise contour cut.

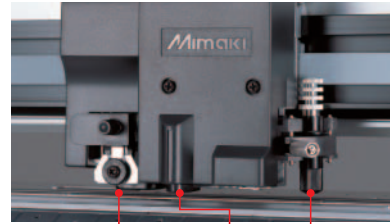
The Optical sensor comes with a LED pointer (Light pointer) for ease of use.



A much more accurate cut by constantly detecting a maximum of 4 points continuously and even allowing the user to input number of copies in each X/Y direction.

Engineered Head Unit

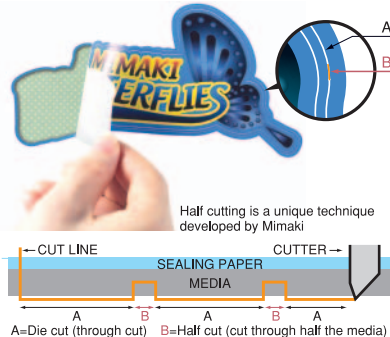
Automatic sheet cutter mechanism provides great flexibility and enhance performance.



Automatic sheet cutter Light pointer Swivel cutter



“HALF CUT” mechanism, a proprietary technology of Mimaki



A die cut is a through cut, and a half cut is a cut through half the thickness of the media. Combining die cuts and half cuts makes it possible to produce a series of cuts with only a few joints keeping the image in place. After the cutting, the image can be easily detached with the fingers.

Specifications

Item	CG-75FX	CG-130FX	CG-160FX
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	Marking film up to 0.25mm (0.001") thickness: Vinyl, Fluorescent 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 (152 lbs.)

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● 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 ϕ 8~ ϕ 9 Pen. No guarantee with accuracy, and image quality.

Optional Tools and Accessories

	CG-75FX	CG-130FX	CG-160FX
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	CG-130FX	CG-160FX
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		