

MIMAKI™

Addition of a new **ID Cut** function
that helps to achieve labor-saving process & business efficiency!

CUTTING PLOTTER

FXII Plus series

CG-75FXII Plus
CUTTING PLOTTER

CG-130FXII Plus
CUTTING PLOTTER

CG-160FXII Plus
CUTTING PLOTTER

New world standard of multi cutting plotter



CG-130FXII Plus

ID Cut improves your work efficiency!

In collaboration with JV300-130/160 Plus, continuous cutting operations can be performed automatically for small-quantity and multi-product orders of stickers and labels.

Print
&
Cut



JV300-130/160 Plus CG-FXII Plus Series

Scanning of register marks with ID that are printed out by JV300-130/160 Plus enables unmanned and continuous cutting operations to be performed automatically by means of CG-FXII Plus Series !



Available for creation of stickers
and vehicle wrapping films!



Plug-in cutting
software compatible

With Adobe
Illustrator/CorelDRAW

Fine Cut/Coat 9

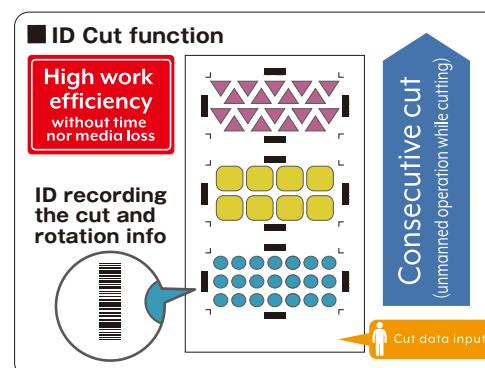
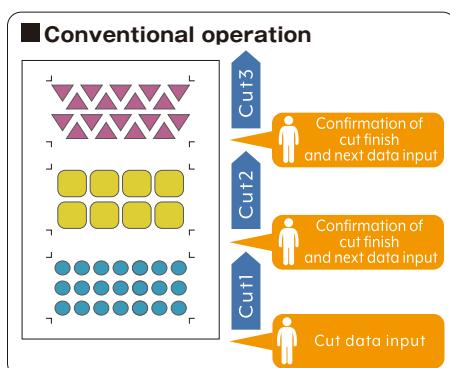
Original function Advantages of ID Cut**It makes multiple types of small lot cutting possible by unmanned operation.**

When cutting several pieces of data, any operators had to confirm completion of the cutting operation and specify any cut data for each. Because use of the ID Cut function automatically performs continuous read-out operations of register marks with ID, including the cutting information, the entire operation can be completed in a single specification of data. When the machine is performing the cutting operation, operators can proceed with other jobs simultaneously.

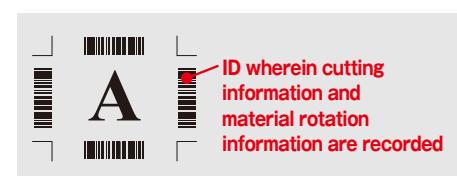
Preventing incorrect operations during post processes to save wasting media and labor

Using the ID Cut eliminates manual setting mistakes of media. In addition, any extra print-out operations in the past are now rendered unnecessary, which were performed intentionally just in case of cutting failure, so media and working time for that purpose can also be saved to increase work efficiency.

The "ID Cut function" is the function that automatically scans register marks with ID which is printed out by the optionally available JV300-130/160 Plus, then reads and cuts cut data. When the register mark sensor reads ID, it asks the applicable PC to send cutting data information to it, and starts the cutting operation automatically. Since ID is printed out in four directions, a correct cutting operation will be performed because the machine recognizes an orientation of any media, regardless of orientation of such media.



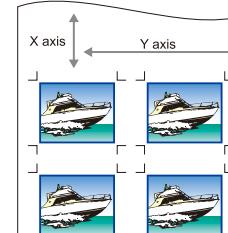
Print data as well as register mark with ID can be printed out by JV300-130/160 Plus simultaneously.

**Specifications**

Item	CG-75FXII Plus	CG-130FXII Plus	CG-160FXII Plus
Acceptable sheet size	width 90 - 1,040 mm (3.54 - 40.9")	90 - 1,580mm (3.54 - 62.0")	90 - 1,880 mm (3.54 - 74.0")
Roll weight	18 kg (39.7 lb) or less	22 kg (48.5) or less	
Roll dia	200mm (7.87) or less		
Effective cutting area*1	760 mm × 51 m (29.9" × 167")	1,300 mm × 51 m (51.2" × 167")	1,600 mm × 51 m (63.0" × 167")
Max. auto cutting area*2	870 mm (34.3")	1,425 mm (56.1")	1,720 mm (67.7")
Max. speed	140cm/s (In a 45° direction and in a pen-up state)		
Adjustable speed range (cutting / plotting)*3	1 - 10 cm/s (1 cm/s step), 10 - 50 cm/s (5 cm/s step) 50 - 100 cm/s (10 cm/s step)		
Mechanical resolution	5 µm (0.0002")		
Command resolution	25 µm, 10 µm (MGL-Ic), 100 µm, 50 µm (MGL-Ic1)		
Repeatability	±0.2mm (0.0079") Excluding shrinkage/expansion caused by the film temperature		
Accuracy assurance range	760 mm × 10 m 29.9" × 0.39" Depending on the specified film and cutting conditions	1,300 mm × 10 m 51.2" × 0.39"	1,600 mm × 10 m 63.0" × 0.39"
Max. pressure	500 g		
Pressure setting	Cutter 10 - 20 g (2 g step), 20 - 100 g (5 g step), 100 - 500 g (10 g step) Pin 10 - 20 g (2 g step), 20 - 100 g (5 g step), 100 - 500 g (10 g step) Pen 10 - 20 g (2 g step), 20 - 100 g (5 g step), 100 - 150 g (10 g step)		
Acceptable cutting sheet*4	Vinyl up to 0.25mm (0.01") thickness, Fluorescent sheet, Reflective sheet		
Acceptable sheet for pouncing*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		
Certifications	VCCI class A, FCC class A, IEC 62368-1 ETL, CE Marking (EMC, Low voltage and Machinery directive) CB, RoHS, REACH, Energy star, RCM		
Type of command	MGL-Ilc/Ic1		
Interface	RS-232C/USB		
Receiver buffer size	30Mb standard (20Mb when in sorting)		
Operation environment	Temperature : 5 - 35 degrees Humidity : 35 - 75% (Rh) Non-condensation AC100V - 240V 1A 50/60Hz		
Power	AC100V - 240V 1A 50/60Hz		
Power consumption	100W or less		
Dimensions (W x D x H)	1,285 × 700 × 1,217 mm 50.5 × 27.5 × 47.9"	1,825 × 700 × 1,217 mm 71.8 × 27.5 × 47.9"	2,125 × 700 × 1,217 mm 83.6 × 27.5 × 47.9"
Weight	47 kg (104 lb)	62 kg (137 lb)	70 kg (154 lb)



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.

Optional Tools and Accessories

	CG-75FXII Plus	CG-130FXII Plus	CG-160FXII Plus
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-75FXII Plus	CG-130FXII Plus	CG-160FXII Plus
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	

*La fábrica se reserva el derecho de modificar las especificaciones sin previo aviso | Ver.: 23-08-2024