

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

ROLL-TO-ROLL
CUTTING PLOTTER



شركة النجم الرقمي للألات و المعدات
DIGITAL STAR MACHINERY AND EQUIPMENTS

SOURCE OF DIGITAL SOLUTIONS

Welcome to Digital Star, your trusted partner in the world of cutting-edge printing solutions. As a leading printing machines, materials, and ink authorized dealer in Riyadh – Saudi Arabia (KSA), we pride ourselves on delivering state-of-the-art technology that empowers to achieve unparalleled levels of efficiency and quality.

At Digital Star, we understand the pivotal role that printing machinery plays in the success of your operations. With a commitment to innovation and excellence, we curate a diverse range of top-tier printing machines to meet the unique needs of our clients. Our product line-up reflects the latest advancements in the industry.

As a responsible printing machines supplier, we prioritize sustainability. Our commitment to eco-friendly practices is reflected in the products we offer, promoting energy efficiency and environmentally conscious manufacturing processes. When you choose Digital Star, you're not just investing in cutting-edge technology – you're partnering with a company that values the planet as much as your success.

***Best A Grade Quality &
Innovative Products***

- "CG-FXII Plus" is a new model standing as successor of "CG-FXII".
- A new function ID Cut, useful for labor-saving process and efficient printing, has been added as "Plus" feature.
- It is also possible to provide cutout characters through cutting a cutting sheet.
- Seals, stickers, and labels can also be created through cutting along the contours of graphics printed by the inkjet printer.
- "CG-FXII Plus Series" are easy-to-handle and reasonably priced products, ensuring your idea creation.



| CG-75FXII Plus

Effective cut width: 760 mm (29.9")



| CG-130FXII Plus

Effective cut width: 1,300 mm (51.2")



| CG-160FXII Plus

Effective cut width: 1,600 mm (63.0")

Line-up

New!

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.



Plug-in cutting software compatible

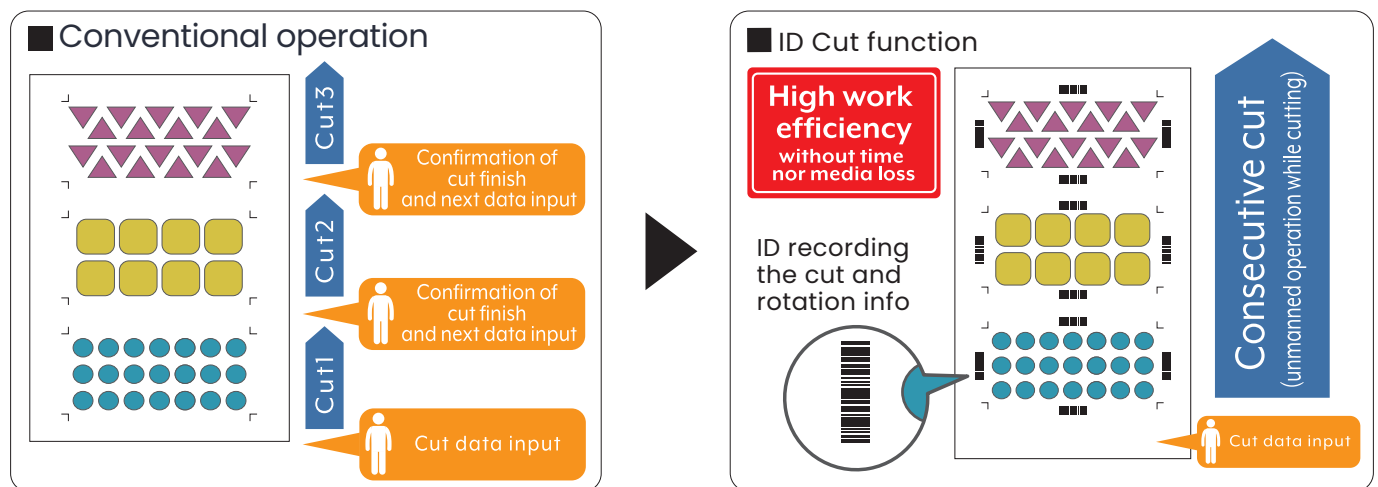
With Adobe Illustrator/CorelDRAW

Fine Cut 9

New 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 dat 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 machines is performing the cutting operation, operators can proceed with other jobs simultaneously

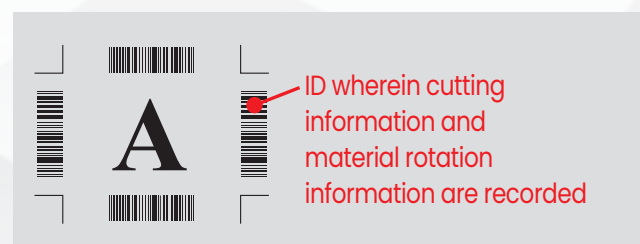


Any mistakes are prevented during post print processes, while extra work operation time and waste of material are reduced to zero.

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 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 and 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.



Product Samples



- Some of sample images in this catalog are artificial renderings.
- Specifications, design and dimensions stated in this catalog may be subject to change without notice for technical improvements etc.
- The corporatenames and merchandise names written in this catalog are the trademark or registered trademark of the respective corporations.

Product Samples

Specification

ITEM		CG-75FX II PLUS	CG-130FX II PLUS	CG-160FX II PLUS
Acceptable Sheet Size	Width	90 - 1,040 mm (3.54 - 40.9")	90 - 1,580 mm (3.54 - 62.0")	90 - 1880 mm (3.54 - 74.0")
	Roll Weight	18kg (39.7 lb) or less		22kg (48.5) or less
	Roll Dia	200mm (7.87) or less		
Effective Cutting Area* ¹		760mm x 51 m (29.9"x167')	1,300mm x 51m (51.2"x167')	1,600mm x 51m (63.0"x167')
Max. Auto Cutting Area* ²		870mm (34.3")	1,425mm (56.1")	1,720mm (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-IIc), 100 μm, 50 μm (MGL-IcI)		
Repeatability		±0.2mm (0.0079") Excluding shrinkage/expansion caused by the film temperature		
Accuracy assurance range		760 mm × 10 m 29.9" x 0.39"	1,300 mm × 10 m 51.2" x 0.39"	1,600 mm × 10 m 63.0" x 0.39"
		Depending on the specified film and cutting conditions		
Max. pressure		500g		
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		
Type of command		MGL-IIc/IcI		
Interface		RS-232C/USB		
Receiver buffer size		30Mb standard (20Mb when in sorting)		
Power		AC100V - 240V 1A 50/60Hz		

Power consumption	100W or less		
Operation environment	Temperature : 5 - 35 degrees Humidity : 35 - 75% (Rh)		
	Non-condensation AC100V - 240V 1A 50/60Hz		
Dimensions (W x D x H)	1,285 × 700 × 1,217 mm 50.5 x 27.5 x 47.9"	1,825 × 700 × 1,217 mm 71.8 x 27.5 x 47.9	2,125 × 700 × 1,217 mm 83.6 x 27.5 x 47.9"
Weight	47 kg (104 lb)	62 kg (137 lb)	70 kg (154lb)

* 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 mm pen. Accuracy and image quality are not guaranteed

Optional Tools and Accessories

ITEM	CG-75FX II PLUS	CG-130FX II PLUS	CG-160FX II PLUS
Cutter Holder	SPA-0090		
Blade for Sheet Cutter	SPA-0119		
Pouncing Set	OPT-C0095 (Holder x 1, Needle x 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

ITEM	CG-75FX II PLUS	CG-130FX II PLUS	CG-160FX II PLUS
Standard Blade for Vinyl	SPB-0030		
For Reflective Sheet	SPB-0006		
For Fluorescent Sheet	SPB-007		
For Vinyl Sheet & Paper	SPB-001		
For Small Character	SPB-003		

Terms and Conditions

01. Payment to be made in SAR currency.
02. Payment Terms : As mentioned in Quotation.
03. Bank Charges: Any bank charges relevant to the above transactions will be to your account.
04. Any charges, duties, taxes or levies at the ports of entry will be to our account.
05. The charges of loading, boarding and local conveyance of the technician will be to our account.
06. Any required electrical, mechanical and civil site preparation should be done by the customer according to our engineer's requirements.
07. Digital Star Machinery and Equipments will not be held responsible for delays caused by any damage in the equipment due to shipment, unloading accidents & any related reasons, which is beyond our control.
08. Warranty will be 12 months from the date of installation from Digital Star Machinery and Equipments. Wear and tear, consumables are exempted and warranty can be claimed only if you use the Inks and Services from Digital Star Machinery and Equipments.
09. Service will be free of cost within 12 months from the date of installation.
10. Any claim will be invoice directly to you then we will send for claiming procedure which will take 45-60 days, if the claim got approved credit note will issued directly.
11. Delivery: As mentioned in quotation

شركة النجم الرقمي للألات و المعدات DIGITAL STAR MACHINERY AND EQUIPMENTS

IBN AL SAQA 8162 | AS SALHIYAH DIST | RIYADH - 12662



+966 11 229 4473



info@digitalstarksa.com



+966 11 229 4473



www.digitalstarksa.com