

CG-FXII Plus Series



roll based cutting plotters

62"

74"

Accurate contour cutting

The CG-FXII Plus Series cutters feature high speed, continuous crop mark detection for precise contour cutting. A proprietary half cut function leaves a small bit of backing sheet at connecting points for easier handling. An over cut function makes a cross cut at the start and end positions, resulting in sharp edges with no undercut fragments. These models are ideal for producing decals, stickers, cut-vinyl signs and more.

- ID Cut function enables efficient cutting operation
- High speed, continuous crop mark detection
- Half cut function
- Over cut function
- Selectable clamp pressure
- Three selectable job speeds
- Front or back media loading capability
- FineCut9 software included

Mimaki® CG-FXII Plus Series

Type	Roll-based cutting plotter
Max media width	CG-130FXII Plus: 62 in (1,580 mm)
	CG-160FXII Plus: 74 in (1,880 mm)
Cutting width	CG-130FXII Plus: 51.2 in (1,300 mm)
	CG-160FXII Plus: 62.9 in (1,600 mm)
Max media thickness	0.01 in (0.25 mm) for cutting
Max cutting speed	39.3 in (1,000 mm) per second
Max moving speed	55 in (1,400 mm) per second
Adjustable speed range	1-10cm/s: 1cm/s step adjustment (0.39 in-3.94 in/s: 0.39 in step adjustment)
	10-50cm/s: 5cm/s step adjustment (3.94 in-19.68 in/s: 2 in step adjustment)
	50-100cm/s: 10cm/s step adjustment (19.68 in-39.37 in: 3.94 in step adjustment)
Mechanical resolution	5 µm (0.0002 in)
Program steps	25 µm or 10 µm (MGL-IIc) or 0.0004 in
Repeatability	+/- 0.2 mm
Downforce pressure	Cutter: 10-20g (2g step), 20-100g (5g step), 100-500g (10g step)
	Pouncing: 10-20g (2g step), 20-100g (5g step), 100-500g (10g step)
	Pen: 10-20g (2g step), 20-100g (5g step), 100-150g (10g step)
Command	MGL-IIc
Interface	USB, RS-232C
Receive buffer	30MB standard, 20MB when sorting
Power supply	AC100V-240V, 50/60 Hz
Operational environment	Temperature: 41 °F – 95 °F (5 °C – 35 °C), 35%–75% Rh (Non condensing)
Dimensions (W x D x H)	CG-130FXII: 71.8 x 27.5 x 47.9 in (1,825 x 700 x 1,217 mm)
	CG-160FXII: 83.6 x 27.5 x 47.9 in (2,125 x 700x 1,217 mm)
Weight	CG-130FXII: 137 lbs. (62 kg)
	CG-160FXII: 154 lbs. (70 kg)

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Cutting speeds and accuracy data based on factory tests using Mimaki specified media and cutting conditions, which may vary slightly by media type and thickness. Applicable range of cutting thickness may vary slightly depending on materials. Specifications subject to change without notice.