Specifications

Free N Sensor model 1,170 mm (46.1°) 1,770 mm (69.7°) No sensor model 1,200 mm (47.2°) 1,800 mm (70.9°) Y 900 mm (35.4°) 1,200 mm (47.2°) Matriana Sensor model 900 mm (35.4°) 1,200 mm (47.2°) Matriana Sensor model Sensor model 1,200 mm (47.2°) Matriana Sensor model Sensor model Sensor model Maximu Sensor model Sensor model Sensor model Maximu Sensor model Sensor model Sensor model Commant Sensor model X. Y, Z, 94 axes Sensor model Maximu Sensor model X. Y, Z, 94 axes Sensor model Commant Sensor model Sensor model Sensor model Maximu Sensor model Sensor model Sensor model Kerkitztion Sensor model Sensor model Sensor model Maximu Sensor model Sensor model Sensor model Kerkitztion Sensor model Sensor model Sensor model Kerkitzt	Item			CF2-0912	CF2-1218			
plotting area A No sensor model 1,200 mm (47.2') 1,800 mm (70.9') Wotorization X X Y 900 mm (35.4') 1,200 mm (47.2') Motorization X,Y,Z, θ 4 axes DC software servo 50 cm (19.7') /s Maximum accuracion X: 0.00234 mm Y: 0.003125 mm θ: 0.05625 Mechanical resolution X: 0.00234 mm Y: 0.0017) / 0.01 mm (0.004') Command Evention accuracy ± 0.1 mm (0.001') / 0.01 mm (0.004') Static Distance accuracy ± 0.1 mm (0.004') Maximum to repetition accuracy ± 0.1 mm (0.004') K = 0.0000000000000000000000000000000000	Effective	v	Sensor model	1,170 mm (46.1")	1,770 mm (69.7")			
Y 900 mm (35.4") 1,200 mm (47.2") Motorizatio- X, Y, Z, 0 4 axes DC software servo Maximum pite speed 50 cm (19.7") /s Maximum zetration 0.5G Mechanical resolution X: 0.00234 mm Y: 0.003125 mm 0: 0.05625 Command Technical resolution X: 0.00234 mm Y: 0.001") / 0.01 mm (0.0004") (changeable from operation panel) Repetition accuracy \pm 0.1 mm (0.001") / 0.01 mm (0.004") Static Distance accuracy \pm 0.1 mm (0.004") Maximum tector Set of the set operation panel) Repetition accuracy Maximum tector Set operation genetition accuracy \pm 0.1 mm (0.004") Maximum tector Set operation genetition accuracy \pm 0.1 mm (0.004") Maximum tector Set operation genetition accuracy \pm 0.1 mm (0.004") Maximum tector Set operation genetition accuracy \pm 0.1 mm (0.004") Maximum tector Set operation genetition accuracy \pm 0.1 mm (0.004") Maximum tector Set operation genetition accuracy \pm 0.1 mm (0.004") Maximum tector Set operation genetition accuracy \pm 0.1 mm (0.004") Mareleiverter Set ope	plotting	^	No sensor model	1,200 mm (47.2")	1,800 mm (70.9")			
Maximum ploting speed 50 cm (19.7") /s Maximum acceleration 0.5G Command resolution 0.025 mm (0.001") / 0.01 mm (0.004") (changeable from operation panel) Static Distance accuracy ± 0.1 mm (0.004") Maximum the state accuracy ± 0.1 mm (0.004") or ± 0.1% whichever is greater Origin repetition accuracy ± 0.1 mm (0.004") Maximum the state accuracy ± 0.1 mm (0.004") Work fixation Air suction by a blower Receiver buffer size 1 MB Command MGL-IIc3 (Support MGL-IIc)*2 Interface RS-232C Operational environment Temperature Size 75 % Rh (no condensation) Biower: stated separately	area	Y		900 mm (35.4")	1,200 mm (47.2")			
Maximum acceleration 0.5G Mechanical resolution X: 0.00234 mm Y: 0.003125 mm 0: 0.05625 Command resolution X: 0.0025 mm (0.0017) / 0.01 mm (0.0004°) (changeable from operation panel) Repetition accuracy \pm 0.1 mm (0.004°) Distance accuracy \pm 0.1 mm (0.004°) Maximum thickness of set work TD: 25 mm (1°) RC: 20 mm (0.8°) Work fixation Air suction by a blower Receiver buffer size 1MB Command environment Temperature fundity Static Support MGL-IIc)*2 Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consumption Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Motorizatio	n		X, Y, Z, θ 4 axes DC software servo				
X: 0.00234 mm Y: 0.00125 mm 0: 0.05625 Command resolution 0.025 mm (0.001") / 0.01 mm (0.0004") Command resolution Command resolution Mepetition accuracy ± 0.1 mm (0.004") Distance accuracy ± 0.1 mm (0.004") Distance accuracy ± 0.1 mm (0.004") Maximum theoret is greater Origin repetition accuracy ± 0.1 mm (0.004") Maximum theoret is greater Origin repetition accuracy ± 0.1 mm (0.004") Maximum theoret is greater Origin repetition accuracy ± 0.1 mm (0.004") Maximum theoret is greater The colspan="2">The colspan="2">The colspan="2" Maximum theoret is greater Maximum theoret is greater The colspan="2" The figure is the c	Maximum plotting speed			50 cm (19.7") /s				
Output on the second	Maximum a	ccele	ration	0.5G				
Command resolution (changeable from operation panel) Attack (changeable from operation panel) Static Distance accuracy ± 0.1 mm (0.004") Origin repetition accuracy ± 0.1 mm (0.004") or ± 0.1% whichever is greater Origin repetition accuracy ± 0.1 mm (0.004") Maximum thicker TD: 25 mm (1") Receiver buffer size Air suction by a blower Receiver buffer size 1MB Command MGL-IIc3 (Support MGL-IIc)*2 Interface RS-232C Operational environment 1mm (11") Power requirements Main unit: 50/60 Hz Ac100/120/220/240V (tap changing) Blower: stated separately Power consuments Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Mechanical resolution			X: 0.00234 mm Y: 0.003125 mm θ: 0.05625				
Static Distance accuracy ± 0.1 mm (0.004") or ± 0.1% whichever is greater Origin repetition accuracy ± 0.1 mm (0.004") Maximum thickers of set work TD : 25 mm (1") RC : 20 mm (0.8") Work fixation Air suction by a blower Receiver buffer size 1MB Command MGL-IIc3 (Support MGL-IIc)*2 Interface RS-232C Operational environment Temperature 9-40°C Humidity 35 – 75 % Rh (no condensation) Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consument Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Command resolution							
Origin repetition accuracy ± 0.1 mm (0.004") Maximum thickness of set work TD: 25 mm (1") RC: 20 mm (0.8") Work fixation Air suction by a blower Receiver buffer size 1MB Command MGL-IIc3 (Support MGL-IIc)*² Interface RS-232C Operational environment Temperature Power requirement Main unit: 50/60 Hz Power consumptor Main unit: 50/60 Hz Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm		Re	petition accuracy	± 0.1 mm (0.004")				
Maximum thickness of set work TD: 25 mm (1") RC: 20 mm (0.8") Work fixation Air suction by a blower Receiver buffer size 1MB Command MGL-IIc3 (Support MGL-IIc)*2 Interface RS-232C Operational environment Temperature Fewer requirement Main unit: 50/60 Hz Power requirement Main unit: 50/60 Hz Power consumptor Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm	Static	Dis	tance accuracy	\pm 0.1 mm (0.004") or \pm 0.1% whichever is greater				
Mork fixation Work fixation Air suction by a blower Receiver buffer size 1MB Command MGL-IIc3 (Support MGL-IIc)*2 Interface RS-232C Operational environment Temperature 5 – 40°C Humidity 35 – 75 % Rh (no condensation) Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consumptor Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm		Origin repetition accuracy		± 0.1 mm (0.004")				
Temperature Main unit: 50/60 Hz Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower requirement Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consumption Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Maximum th	nickn	ess of set work	TD : 25 mm (1") RC : 20 mm (0.8")				
MGL-IIc3 (Support MGL-IIc)* ² MGL-IIc3 (Support MGL-IIc)* ² Interface RS-232C Operational environment Temperature Temperature 5 - 40°C Humidity 35 - 75 % Rh (no condensation) Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consumptor Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Work fixatio	n		Air suction by a blower				
Interface RS-232C Operational environment Temperature 5 - 40°C Humidity 35 - 75 % Rh (no condensation) Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consumption Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Receiver bu	ffers	size	1MB				
Temperature 5 - 40°C environment Humidity 35 - 75 % Rh (no condensation) Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consumption Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Command			MGL-IIc3 (Support MGL-IIc)*2				
Operational environment Interfactorial Humidity Interfactorial 35 – 75 % Rh (no condensation) Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consumption Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Interface			RS-232C				
Power requirement Main unit: 50/60 Hz AC100/120/220/240V (tap changing) Blower: stated separately Power consumption Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Operational		Temperature	5 – 40°C				
Power requirement Blower: stated separately Power consumption Main unit: 300VA Blower: stated separately Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	environmen	t	Humidity	35 – 75 % Rh (no condensation)				
Weight 140 kg (308 lbs) 180 kg (397 lbs) Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Power requirement							
Dimensions (W x D x H) 1760 x 1600 x 1100 mm 2360 x 1900 x 1100 mm	Power consumption			Main unit: 300VA Blower: stated separately				
Dimensions (W x D x H)	Weight			140 kg (308 lbs) 180 kg (397 lbs)				
	Dimensions	(W)	(D x H)					

*1 Accuracy written with a pen where the load is almost non-existent. Guaranteed temperature range is 20 to 25°C *2 A command based on HP-GL.

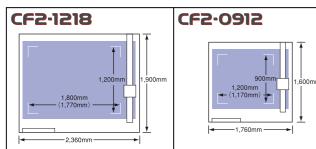
Materials that can be processed

	TD	RC
Corrugated fiberboard (E to B flute)*	•	•
Corrugated fiberboard (AB flute)*		•
Coated board for packaging*	•	•
Vinyl chloride for clear package*	•	•
Plastic corrugated fiberboard	•	•
Vinyl chloride sheet for signboard	•	•
Reflective sheet	•	•
Sandblast rubber	•	•
Industrial sheet rubber (3 mm or less)	•	•
Pattern happort	•	•
Teflon (1.0 to 5.0 mm)	•	•

Note) As the property of the media may vary depending on the material manufacturers, the data above is just a guid. Make sure to perform your own testing.

Note) * shows material to which drawing of the ruled line is possible

Size Variation



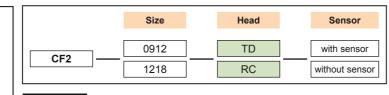
Optional Supply Items / Standard Accessories

Item	Item No.	TD	RC	Remarks	
Swivel cutter holder	SPA-0001		•	1pc/set no blade	
Swivel blade for vinyl sheet	SPB-0001		•	3 pcs. / set	
Swivel blade for small letters	SPB-0003	•	٠	3 pcs. / set	
Swivel blade for rubber sheet	SPB-0005	•	٠	3 pcs. / set	
Swivel blade for reflecting sheet	SPB-0006	•	٠	2 pcs. / set	
Swivel blade for fluorescent sheet	SPB-0007	•	٠	3 pcs. / set	
Cutter holder 4N	SPA-0053		٠	For works of which thickness is 5 mm or less	
Cutter holder 2N	SPA-0113			For works of which thickness is 2 mm or less	
High-speed steel blade 30°	SPB-0043			40 pcs.*5 / set	
Carbide blade 30°	SPB-0045			1 pcs.*3 / set	
Titanium-coated blade 30°	SPB-0047	•	٠	1 pcs. / set	
High-speed steel blade 45°	SPB-0044	•	٠	40 pcs.*5 / set	
Carbide blade 45°	SPB-0046	•	•	1 pcs.*3 / set	
Titanium coated blade 45°	SPB-0008	•	•	1 pcs. / set	
Cutter holder 7N	SPA-0054	•	٠	For works of which thickness is 7 mm or less	
High-speed steel blade 30° 7 mm	SPB-0048	•	•	15 pcs.*5 / set	
Cutter holder 10N	SPA-0077	•	٠	For works of which thickness is 10 mm or less	
Carbide design blade 30°	SPB-0051	•	•	3 pcs. / set	
Cutter holder RN	SPA-0055	•	٠		
Titanium coated both blades	SPB-0009	•	•	1 pcs. / set For reflecting sheet	
Cutter holder JN	SPA-0061	•	•		
Carbide both blades	SPB-0031	•	٠	2 pcs. / set For joint sheet	
Cutter holder 07	SPA-0114				
20 mm blade	SPB-0055			10 pcs. / set For corrugated fiberboard	
Carbide blade 17"	SPB-0065			5 pcs. / set For AB corrugated fiberboard	
Creasing roller DN	SPA-0056		٠	For E corrugated fiberboard	
Creasing roller CN	SPA-0057			For coated board	
Creasing roller PN	SPA-0058	•	•	For pleated works	
Creasing plate EN	SPA-0067	•	•	For E/B corrugated fiberboard	
Creasing plate YN	SPA-0124	•	•	For corrugated fiberboard in general	
Pen holder	SPA-0068		•	1 pcs. / set	
Vacuum unit	OPT-C0199	•	•	120V, 0.51/07kw, filter separately available	
Vacuum unit	OPT-C0200	•	•	220V, 0.51/0.7kw, filter separately available	
Vacuum unit	OPT-C0201	•	•	240V, 0.51/0.7kw, filter separately available	
Vacuum unit	OPT-C0205	•	•	120V, 0.51kw, filter separately available	
Vacuum unit	OPT-C0206	•	٠	220V, 0.25/0.38kw, filter separately available	
Vacuum unit	OPT-C0207	•	٠	240V, 0.25/0.38kw, filter separately available	
Blade tip adjuster	OPT-C0030	•	•	For tangential cutter. Dial type	
Blade tip adjuster	OPT-C0066	•	٠	For swivel cutter. Dial type	

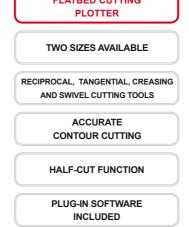
CF2 series







We are prepared to make special equipment that meets your special Custom application requirements. Please consult with our sales



* Please Install this unit confirming that there is a space of 1,000 mm or more around the unit

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MARKET



Unmatched Price / Performance

Flatbed Cutting Plotter with Outstanding Value

Expanding business opportunities with innovation

UNMATCHED PRICE / PERFORMANCE



Two cutting heads available with a wide range of blades to choose from

- Accurate contour cutting with Mimaki's patented colour photo sensor
- ✓ Mimaki Half-Cut function
- Repeated cutting up to 5 times changing the pressure to cut thick media with high quality finish
- ✓ FineCut 7 plug-in software included
- Ideal print and cut solution with UJV160

TWO CUTTING HEADS A VAILABLE

TD Head and RC Head

The two available heads for CF2 series (TD and RC) can be equipped with different kinds of blades depending on the media to be cut. Any suitable blade available on the market can be mounted.

TD head



RC head



Tangential Cutter

The tangential cutter steers the blades as it cuts. The motor controlled blade lifts and turns to start every cut at the exact angle. Both die cutting and halfcutting are possible. The tangential cutter enables cutting materials up to 1 cm thickness. Various materials, ranging from soft to rigid, can be cut.

Reciprocal Cutter

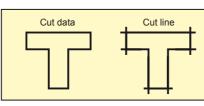
The reciprocal cutter is characterised by up-and-down movements of the cutter blade (7000 times per minute) in addition to tangential cutting. It is especially suitable to cut corrugated board, cardboard and foam materials up to 2 cm thickness.

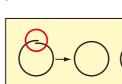
Head composition

Head		ΤοοΙ	Pressure	Remarks
	А	Pen / swivel cutter	20 ~ 400 g	
TD	В	Tangential cutter	300 ~ 1,500 g	
	С	Marking gauge roller	1,000 ~ 5,000 g	
RC	А	Pen / swivel cutter	20 ~ 400 g	
	В	Reciprocating cutter	1,500 g fixed	Stroke 2 mm maximum vibration 7,000 times
		Tangential cutter	500 ~ 1,500 g	
	С	High-pressure tangential cutter / Creasing tool	1,000 ~ 5,000 g	

USEFUL FUNCTIONS TO SUPPORT CUTTING

Correction of Starting & Ending Points The starting and ending positions of cutting are corrected, which makes cutting of the media smoother. Adjustable within the thickness or hardness of the media is range of 0 to 2.5 mm.





perfect circle.

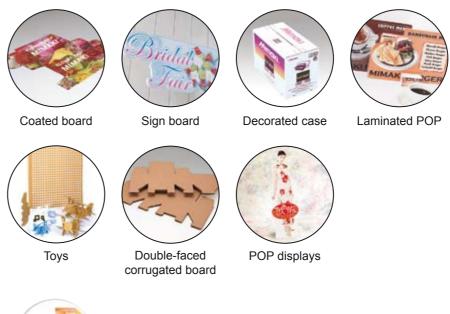
Circle θ Correction

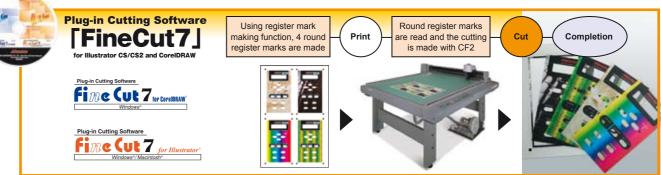
Reverse Cutting

Reverse cutting is possible by applying mark chips to the back surface. From the front surface, the excess cut cannot be seen, making the finish beautiful.

Cutting conditions such as pressure, speed, correction of starting and ending points, circle θ correction, offsets, etc. can be registered for multiple times.

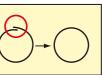
POSSIBLE **A** PPLICATIONS







Declination of the starting and ending point of a circle cutting caused by corrected. This enables cutting a nearly



Multiple Registration of Cutting Conditions

Press Correction

The tool pressure is corrected to ensure complete cutting.

Repeated Cutting

The CF2 Series is capable of repeating the cutting up to a maximum of 5 times changing the cutting pressure, with which you can cut even thick materials with a high quality finish.

