

Bundled with two exclusive software programs

Professional sign making software

Fine Cut 8

Fine Cut 8, plug-in cutting software for illustrator CS6 and CorelDRAW, is included. It helps to achieve highly sophisticated requirements such as contour cutting, production of cutting data from the graphic data, tiling and nesting.



Specifications

Item		CF2-0912	CF2-1218
Effective plotting area	X	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")
Motorization		X, Y, Z, Ø 4 axes DC software servo	
Maximum plotting speed		50 cm (19.7") / s	
Maximum acceleration		0.5G	
Mechanical resolution		X: 0.00234 mm Y: 0.003125 mm Ø: 0.05625	
Command resolution		0.025 mm (0.001") / 0.01 mm (0.0004") (changeable from operation panel)	
Static accuracy*1	Repetition accuracy	± 0.1 mm (0.004")	
	Distance accuracy	± 0.1 mm (0.004") or ± 0.1% whichever is greater	
	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-Ilc3 (Support MGL-Ilc)*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 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 (69.3" x 63" x 43.3")	2360 x 1900 x 1100 mm (92.9" x 74.8" x 43.3")

*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)	●	●

● : Possible to cut with standard accessories
Note) As the property of the media may vary depending on the material manufacturers, the data above is just a guide. Make sure to perform your own testing.
Note) * shows material to which drawing of the ruled line is possible

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	●	●	3 pcs. / set
Swivel blade for rubber sheet	SPB-0005	●	●	3 pcs. / set
Swivel blade for reflecting sheet	SPB-0006	●	●	2 pcs. / set
Swivel blade for fluorescent sheet	SPB-0007	●	●	3 pcs. / set
Cutter holder 4N	SPA-0053	■	●	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	●	●	1 pcs. / set
High-speed steel blade 45°	SPB-0044	●	●	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	●	●	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	●	●	For works of which thickness is 10 mm or less
Carbide design blade 30°	SPB-0051	●	●	3 pcs. / set
Cutter holder RN	SPA-0055	●	●	
Titanium coated both blades	SPB-0009	●	●	1 pcs. / set For reflecting sheet
Cutter holder JN	SPA-0061	●	●	
Carbide both blades	SPB-0031	●	●	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	■	●	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, 0.51/0.7kw, 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	●	●	220V, 0.25/0.38kw, filter separately available
Vacuum unit	OPT-C0207	●	●	240V, 0.25/0.38kw, filter separately available
Blade tip adjuster	OPT-C0030	●	●	For tangential cutter. Dial type
Blade tip adjuster	OPT-C0066	●	●	For swivel cutter. Dial type

■ : Standard Accessory ● : Optional Item

Highly versatile flatbed cutting plotter...



SIGN & GRAPHICS



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www.mimakieurope.com info@mimakieurope.com @MimakiEurope

Mimaki Europe B.V. Stammerdijk 7E, 1112 AA Diemen, The Netherlands Tel: +31 (0)20 4627640



A highly versatile Flatbed Cutting Table for industrial applications

The CF2 Series Flatbed Cutting plotter provides industrial quality production cutting at an affordable price. The versatility and ease of use of the machine enables it to be used for cutting a wide range of different materials from carton board and signage substrates to rubber and plastics.

CF2 Series delivers ...

- Reliable entry-level flatbed cutting plotter for media up to 25 mm thick
- Tangential and reciprocal heads available, with a wide range of blades to choose from
- Precise contour cutting with patented Mimaki colour photo sensor
- Mimaki 'half-cut' and 'repeat-cut' functions for high quality finishing
- Air suction unit to hold down media
- Two sizes available: 90 x 120 cm and 120 x 180 cm
- Offset start and end points
- Pressure compensation
- Prototyping and short run production potential
- Ideal print and cut solution with UJV-160 UV LED Curing inkjet printer

CF2 series

- FLATBED CUTTING PLOTTER
- TWO SIZES AVAILABLE
- RECIPROCAL & TANGENTIAL CUTTING HEADS
- CREASING & SWIVEL HEAD OPTIONS
- ACCURATE CONTOUR CUTTING
- HALF-CUT FUNCTION
- CUTS MEDIA UP TO 25 mm THICK



Create ... PoS display materials, rigid signage, short-run packaging, badges and 3D logos, printed circuit boards, instrument panels, machine part gaskets, product prototyping and much more ...

KEY TECHNICAL FEATURES ...

TWO CUTTING HEADS AVAILABLE ...

TD Head and RC Head

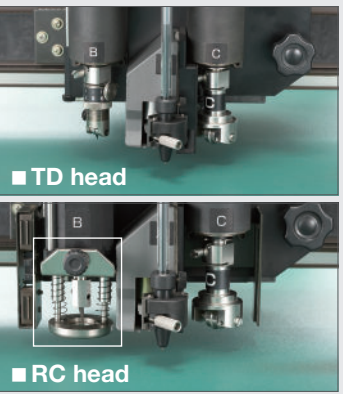
The two available heads for CF2 series (TD and RC) can be equipped with different kinds of blades depending on the media to be cut. Any suitable blade available on the market can be mounted.

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 half-cutting 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 for cutting corrugated board, cardboard and foam materials up to 2 cm thickness.

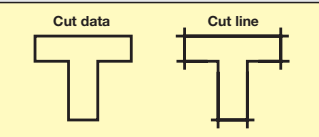


KEY TECHNICAL FEATURES ...

USEFUL FUNCTIONS TO SUPPORT CUTTING ...

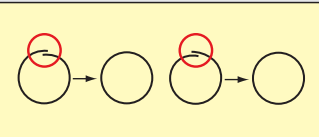
Correction of Starting & Ending Points

The starting and ending positions of cutting are corrected, which makes cutting of the media smoother. Adjustable within the range of 0 to 2.5 mm.



Circle Ø Correction

Declination of the starting and ending point of a circle cut caused by thickness or hardness of the media is corrected. This enables cutting of a nearly perfect circle.



Reverse Cutting

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

Multiple Registration of Cutting Conditions

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

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.