

Software enhancing Mimaki cutting plotters performance

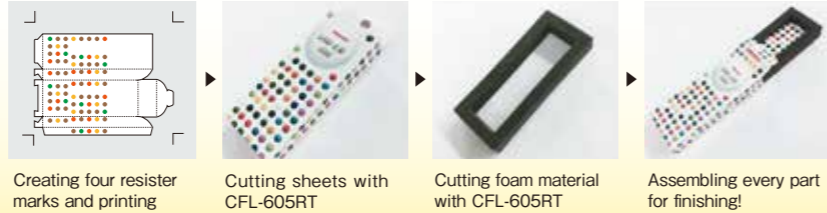
NEW! It is downloadable from our website for your convenience!

FineCut 9 for Illustrator **FineCut 9** for CorelDRAW

Plug-in cutting software for Adobe Illustrator CC2019 Standard feature

The combination of FineCut9 and a register-mark sensor allows calibrated inclination of coordinates or distance to assure accurate cutting. The [Mark separation] function can also handle long media by cutting it multiple times.

- (Main features)
- Direct and simple cutting from Adobe Illustrator
 - [Multiple Cutting] function cuts the same place with different conditions such as pressure.
 - [Line Separation] function prevents over-cutting of media.
 - ID Cut auto-starts cutting after reading cut data during Print&Cut operation.



Creating four register marks and printing Cutting sheets with CFL-605RT Cutting foam material with CFL-605RT Assembling every part for finishing!

For
**INDUSTRIAL
DESIGN**

Compact Flatbed Cutting Plotter **CFL-605RT**

Mimaki™



Specifications

| | | |
|----------------------------|---|--|
| Type | Flatbed cutting plotter | |
| Driving method | XY/Z/θ 4 axes: DC servo motor | |
| Material holding method | Air suctioning by a vacuum unit | |
| Maximum media | 630mm×530mm | |
| Cutting area | 610mm×510mm | |
| Maximum cutting speed | XY: 423 mm/s (45° angle direction) Z: 30 mm/s | |
| Maximum downforce pressure | Eccentric cutter: 1,000g / Tangential cutter and Creasing roller: 1,500 g | |
| Maximum media thickness | Reciprocating cutter: 10 mm / Tangential cutter: 2 mm | |
| Maximum media weight | 10 kg / 22lb (This is not one-point-load strength) | |
| Static accuracy | Repeatability | 0.2 mm or lower (Material shrinkage is ignored) |
| | Distance accuracy | Moving distance × ±0.2% or lower or ±0.1 mm or lower Larger value is applied |
| | Original repetition accuracy | 0.1 mm or lower |
| A unit | Attachable tools: Eccentric cutter, Pen | |
| B unit | Attachable tools: Reciprocating/Tangential cutter, Creasing roller | |
| Command | MGL- II c3 | |
| Interface | USB 2.0(High Speed) , RS-232C, Ethernet | |
| Power specification | Single phase AC 100-120 V/200-240 V, 50/60 Hz | |
| Noise level | 70 db or lower(The maximum level is generated while a reciprocating cutter or a vacuum blower is used.) | |
| Power consumption | 500W | |
| Dimensions (W×D×H) | 1,320mm×1,045mm×1,100mm | |
| Weight | 109 kg or lower (Blower, 20 kg, included) | |
| Certifications | VCCI class A, CE marking (Machinery directive, RoHS directive), CB, UL 60950-1, REACH, FCC class A | |

Supplies

| Product number | Product name | QTY per package | Compatible product model | Note |
|----------------|--|-----------------|----------------------------|--|
| SPA-0183 | Pen holder for MITSUBISHI | 1 | CG/CF series | One refill is attached Compatible refill: SPC-0726 |
| SPC-0726 | Refill for MITSUBISHI ballpoint pen | 10 | CG/CF series | Compatible holder: SPA-0183 |
| SPB-0086 | Super hard edge 2"x 10 mm | 5 | CFL | One blade is attached as a standard accessory |
| SPA-0260 | Cutter holder 07L | 1 | CFL | Standard accessory |
| SPB-0043 | High-speed steel blade 30° | 200 | CF series | Standard accessory |
| SPB-0045 | Carbide blade 30° | 3 | CF series | |
| SPA-0261 | Tangential Cutter holder 2Na | 1 | CFL | Standard accessory |
| SPA-0259 | Eccentric cutter holder C | 1 | CFL | Standard accessory |
| SPB-0085 | Eccentric cutter blade C | 3 | All cutting plotter models | One blade is attached as a standard accessory Compatible holder: SPA-0001/SPA-0090/SPA-0259 |
| SPC-0785 | Felt mat 605 | 1 | CFL | Standard accessory |
| SPC-0786 | Cutting mat 605 | 1 | CFL | Standard accessory |
| SPC-0787 | Adsorption sheet | 1 | CFL | 100 m per roll |
| SPA-0262 | Creasing holder L | 1 | CFL | Standard accessory |
| SPB-0087 | Creasing roller φ9 | 1 | CFL | Standard accessory |
| SPB-0030 | Swivel Blade for PVC with low-pressure | 3 | All cutting plotter models | |
| SPB-0006 | Swivel Blade for reflecting sheet | 2 | All cutting plotter models | |
| SPB-0007 | Swivel Blade for fluorescent sheet | 3 | All cutting plotter models | |
| SPB-0001 | Swivel Blade for PVC sheet | 3 | All cutting plotter models | |
| SPB-0003 | Swivel Blade for small letters | 3 | All cutting plotter models | |
| SPA-0001 | Cutter holder | 1 | All cutting plotter models | |
| SPA-0090 | Cutter holder | 1 | All cutting plotter models | Standard accessory |
| OPT-C0240 | Blade tip adjuster | 1 | All cutting plotter models | Loupe |
| OPT-C0066 | Blade tip adjuster | 1 | All cutting plotter models | Dial type |
| SPA-0163 | Grease | 1 | All cutting plotter models | Standard accessory |

Compact & Multi Cutting

Rapidly bringing ideas into shape



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Compact & Multi Cutting



Compact multifunction cutting plotter

CFL-605RT is compact but provides a wide range of functions including eccentric, tangential, and reciprocating cuttings and creasing. Ideal for package mockup production and small-hot package production.



Cutting and creasing with one compact plotter unit.

The versatile CFL-605RT plotter is capable of cutting and creasing. It can be used on paper, PET as well as film.

Eccentric cutter

Maximum cutting thickness: 1 mm
Materials are properly cut with an optimal downforce setting from 30 and 1,000 g for optimum cutting



Creasing roller

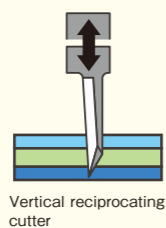
The roller creases materials and enables the creation of a perfect package. Downforce pressures are adjustable from 500 to 1,500 g depending on the material.



Reciprocating cutter for cutting cushioning material

Cushioning for packaging can also be cut with CFL-605RT. Thick materials are neatly cut by a vertical reciprocating motion. The reciprocating cutter is capable of cutting materials of up to 10-mm thickness.

Reciprocating cutter (vertical reciprocating cutting)



The blade cuts thick materials by a vertical reciprocating motion. It is ideal for foam or cardboard cutting. In addition, the blade is capable of cutting a range of material thicknesses, from thin to thick, by precisely controlling the blade edge direction. (Before cutting, please place a felt mat on the cutting table under the material to hold it in place.)

[Optimum materials for a reciprocating cutter]

Cardboard, foam plastic board, and sponge

Maximum vertical vibration rate: 3,000 reciprocating motions/min.

Vibration stroke: 5 mm

Downforce pressure: 1,500 g (Fixed pressure value)

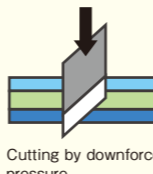
Maximum cutting thickness*: 10 mm

(*Thickness varies depending on materials.)

Tangential cutter for thick material cutting

The blade is able to cut not only thick materials up to 2 mm but also thin films by controlling low and high downforce pressures precisely.

Tangential cutter (Cutting materials by downforce pressure)



The blade edge is automatically and precisely controlled along contour cutting lines specified by the software. It is good for cardboard and foam board.

[Optimum materials for a tangential cutter]

Coated cardboard, reflective vinyl, rubber sheets, industrial materials, and F/G flute cardboard.

Downforce pressure: 500–1,500g (Optimum pressure varies depending on material)

Maximum cutting thickness*: 2mm

(*Thickness varies depending on material)

Accurate cutting by reading register marks

A sensor reads register marks on the material for precise cutting.

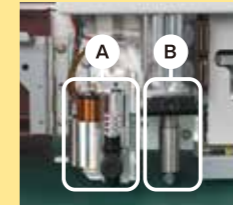


Offering various tool combinations to meet a range of work demands

Depending on application, different tools for each unit can be switched in for optimum cutting.

[Adjustable tools for each unit]

- [A unit]
Pen/Tangential cutter
- [B unit]
Reciprocating cutter
Tangential cutter
Creasing roller



*Tools need to be switched manually by users.

A vacuum suction system reduces lifting of material during operation by holding the material in place.

Lightweight or thin materials tend to move or lift during cutting; therefore, CFL-605RT offers a combination of features to prevent this problem. A compact built-in vacuum unit holds the material in place during reciprocate cutting. An adsorption sheet (SPC-0787) put on top of the material to be cut enhances vacuum suction by reducing air flow through the material, and the adsorption sheet is easily unrolled from the left side of machine.



*Please place felt mat 605 (SPC-0785) on the cutting table during reciprocate cutting.
*Please tape four corners of any material that cannot be held securely by the vacuum unit.
* An adsorption sheet (SPC-0787) is sold separately.



Compact flatbed cutting plotter

CFL-605RT



LED UV curing flatbed inkjet printer

UJF-6042 MkII

UV PRINTER



Easy mock-up production in combination with UV inkjet printer!
This combination offers a total solution for printing and production of your original packages and creation of enclosed cushioning materials. On-demand sample creation and small-lot production for high-mix low-volume manufacturing reduce the cost and lead time to completion.



five Cut 9
five Cut 9 support ID Cut!

Reading cut data with ID enables auto-start cutting!
It helps further reduce your work!



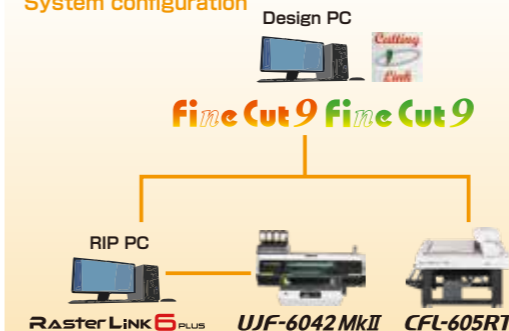
Smooth printing and cutting ensured by new ID Cut function



What is ID Cut?

Eliminating the need to select cut data before cutting.
While cutting the printings with variable data, the plotter auto- starts cutting once register marks are read.

System configuration



Workflow

