FineCut8 Software maximizes product performance

Plug-in cutting software
FineCut 8
for Illustrator and CorelDRAW

Standard Feature: *Plug-in software for Adobe Illustrator CC2014 and CorelDRAW*
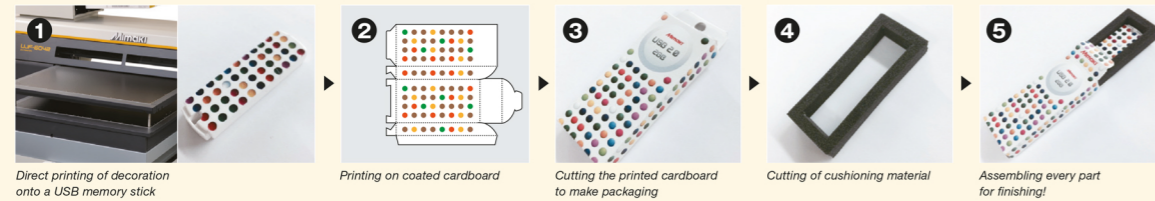
The combination of FineCut8 and a register mark reading sensor allows the calibrated inclination of coordinates or distance to ensure accurate cutting. To prevent incorrect cutting; long contour cutting lines are split and individually cut. This 'split cut function' avoids having the blade cut the media/substrate beyond the specified range.

Simple and direct cutting from Adobe Illustratorand CorelDRAW

• 'Multiple cut function' allows plotter to cut on the same contour cutting line several times with different cut conditions. • 'Split cut function' prevents an overcut of the media/substrate.

Printing on USB memory sticks and creating packaging

PRODUCTION PROCESSES BY UJF-6042 | **PRODUCTION PROCESSES BY CFL-605RT**

❶ Direct printing of decoration onto a USB memory stick

❷ Printing on coated cardboard

❸ Cutting the printed cardboard to make packaging

❹ Cutting of cushioning material

❺ Assembling every part for finishing!

CFL-605RT

Specifications

	CFL-605RT
Driving method	X/Y/Z/θ 4 axes: DC servo motor
Material holding method	Air suctioning by a vacuum unit
Maximum media	630mm x 530mm
Cutting area	610mm x 510mm
Maximum cutting speed	XY: 423 mm/s (45° angle direction) Z: 30mm/s
Maximum downforce pressure	Eccentric cutter: 1,000g / Tangential cutter and creasing roller 1,500g
Maximum media thickness	Reciprocating cutter: 10mm / Tangential cutter: 2mm
Maximum media weight	20kg (this is not one-point-load strength)
Static accuracy — Repeatability	0.2mm or lower (material shrinkage is ignored)
Static accuracy — Distance accuracy	Moving distance x ±0.2% or lower or ±0.1mm or lower. Larger value is applied
Static accuracy — Original repetition accuracy	0.1mm or lower
A unit	Attachable tools: Eccentric cutter, pen
B unit	Attachable tools: Reciprocating / Tangential cutter, Creasing roller
Command	MGL-II c3
Interface	USB2.0, RS-232C, Ethernet
Power specification	Single phase AC100-120V / 200-240V, 50/60Hz
Noise level	70db or lower (The maximum level is generated while the reciprocating cutter or a vacuum blower is used)
Power consumption	500W
Dimensions (W x D x H)	1,320mm x 1,045mm x 1,100mm
Weight	109kg or lower (Blower: 20kg, included)
Warranty period	1 year
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 included 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 10mm	5	CFL	One blade is included 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 2N σ	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 included 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	Absorption sheet	1	CFL	100m / 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 reflective 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-S1005	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

• Some of the samples in this folder are artificial renderings • Specifications, design and dimensions stated in this folder may be subject to change without notice (for technical improvements, etc.)
• The corporate and merchandise names written on this folder are the trademark of the respective corporations • Inkjet printers print using extreme fine dots, so colours may vary after replacement of the printing heads, also note that if using multiple printer units, colours could vary slightly from one unit to other unit due to slight individual differences • Compositor's errors reserved

Compact flatbed cutting plotter···

contact us for more information
01772 250207 sales@granthams.co.uk
samples and private demonstrations available upon request

IP
INDUSTRIAL PRODUCTS

Mimaki
The world imagines... Mimaki delivers

the power to **create**

![Mimaki]

A compact flatbed cutting plotter to perfectly shape your ideas

The compact size of the Mimaki CFL-605RT belies its impressive performance, with an ability to provide a wide range of cutting and creasing functions. The perfect tool for packaging, prototyping and short-run production, the CFL-605RT offers a versatile, multi-function solution, especially when paired with a Mimaki small format LED UV flatbed printer.

ENGINEERING EXCELLENCE AND CREATIVE INNOVATION

Founded in Japan in 1975, Mimaki Engineering has steadily grown by reputation and influence into a global company with large operational bases in Asia and the Pacific, United States and Europe.

Renowned for award-winning performance, peerless build quality and innovative technology, Mimaki has established itself as a leading manufacturer of wide-format inkjet printers and cutting machines for the sign and graphics, textile and apparel and industrial markets. In addition, Mimaki also provides a comprehensive range of supporting products; hardware, software and associated consumable items, such as inks and cutting blades.

From outdoor signage and billboards to interior decoration and furnishing, from packaging and labels to promotional gifts and apparel, Mimaki is committed to developing technology that sets new industry standards, producing machines and products that turn the imagination of our customers into breath-taking reality.

··· Mimaki delivers

CFL-605RT delivers ···

- Multiple cutting tools including;
  - Eccentric cutter for coated packaging board
  - Tangential cutter for thicker boards, including flute, reflective vinyl and PET materials
  - Reciprocating cutter for soft foam and board up to 10mm thick*
- Creasing roller for creating folding lines
- Pen tool for creating line drawings
- Accurate cutting with register mark detection function
- Compact, built-in Vacuum unit helps secure material during cutting
- Downforce cutting pressure of up to 1,500g
- 610 x 510mm cutting area
- Powerful and effective plug-in cutting software package included as standard

COMPACT FLATBED CUTTING PLOTTER
MULTIPLE CUT FUNCTIONS
CREASING ROLLER & PEN TOOL
REGISTER MARK DETECTION FOR PRINT & CUT
USB 2.0 HIGH SPEED INTERFACE
CUTS MEDIA UP TO 10mm THICK*

Maximum thickness varies dependent on specific material

CFL-605RT

Combine with
Mimaki UJF-6042 UV PRINTER

for the ultimate compact packaging prototyping system

- Product decoration & branding
- Seamless Print/Crease/Cut workflow
- On-demand packaging creation
- Rapid production of presentation mock-ups
- Compact, affordable solution for studio or office use

UJF-6042 UV PRINTER

A2 flatbed LED UV curing printer for direct to object and packaging material printing

Create ··· Packaging samples & prototypes, Bespoke presentation boxes, Cartons, Packaging inlays, Membrane panels, Foam templates, Sand blast rubber, PoS items & mock-ups, Reflective vinyl graphics & much more ...

* Thickness varies depending upon material

KEY TECHNICAL FEATURES ···

Cut & Crease with one compact unit

Eccentric Cutter
Maximum cutting thickness: 1mm
Materials are cut with an optimal downforce setting from 30 to 1,000g.

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

Tangential cutter for thicker materials

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

Cutting by downforce pressure

Optimum materials for tangential cutting
Coated cardboard, reflective vinyl, rubber sheets, industrial materials and F/G flute cardboard.

Downforce pressure: 500 – 1,500g (optimum pressure varies depending upon material)
Maximum cutting thickness*: 2mm
*Thickness varies depending upon material

Reciprocating cutter for soft foam material

The blade cuts thick materials by a vertical reciprocating motion. Making it ideal for foam and cardboard cutting. In addition, the blade is capable of cutting a range of material thicknesses by precisely controlling the blade edge direction.

NB: *Felt mat should be placed on the cutting table under the material prior to cutting.*

Vertical reciprocating cutter

Optimum materials for reciprocating cutting
Cardboard, foam plastic board and sponge

Maximum vertical vibration rate: 3,000 reciprocating motions/min
Vibration stroke: 5mm
Downforce pressure: 1,500g (fixed pressure value)
Maximum cutting thickness*: 10mm
*Thickness varies depending upon material

Vacuum unit for securing materials during cutting

Movement of lightweight or thinner materials during cutting is reduced by a combination of features:

- Built-in vacuum suction unit secures material
- Absorption sheet (SPC-0787) placed on top of material enhances vacuum suction

NB: * *Felt mat 605 (SPC-0785) needs to be placed on cutting table during reciprocal cutting*
* *Materials which cannot be held securely by vacuum unit require taping at all four corners*
* *Absorption sheet (SPC-0787) sold separately*