

key 01 **Highest cutting speed in its class**

Achieves a maximum cutting speed of 100 cm/sec, which is suitable for high-end machines (approximately double that of our conventional machines)

Give a shape to your ideas right away. It contributes to the efficiency of your cutting business.



key 02 **High-quality V-cut**

The height accuracy of the entire table is automatically scanned at the time of installation and tracked during cutting.

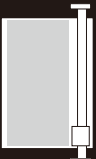
V-cut quality is uniform across the entire work table with a maximum length of 5 m.

※The images are for illustrative purposes only. Some designs may differ from the actual product, but there is no difference in product specifications.



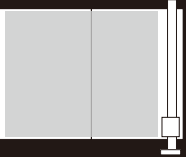
Expandable after installation

key 03 **3 table sizes in line-up**



Sign display standard size 4x8 board
Maximum cutting size 1,300mm × 2,540mm

CFX-2513



Toggle cutting of 4x8 plates greatly improves processing efficiency
Maximum cutting size 3,190mm × 2,540mm

CFX-2531



Processing of sign banners and packages up to 5m long
Maximum cutting size 5,080mm × 2,540mm

CFX-2550

Line up

■Supply List

Tool	Product name	Number	Features	Remarks
Flat blade tool FBT	T04 Holder (Included with a tool)			
	High-speed steel blade 30°	SPB-0043	Blade thickness 0.4mm / Suitable for relatively soft materials.	40 sheets x 5 cases
	High-speed steel blade 45°	SPB-0044	Blade thickness 0.4mm / Materials: natural rubber, CR rubber, NBR rubber, silicon rubber, urethane rubber, cloth-filled rubber, rubber-filled cork, synthetic leather	3 pieces
	Carbide blade 30°	SPB-0045	Blade thickness 0.4mm / Ideal for cutting relatively hard materials and cutting that requires machining accuracy.	3 pieces
	Carbide blade 30°DLC	SPB-0080	Applied a diamond coating on SPC-0045 to improve durability.	3 pieces
	Carbide blade 45°	SPB-0093	Blade thickness 0.4mm / Ideal for cutting relatively hard materials and cutting that requires machining accuracy.	3 pieces
	Titanium coated blade 30°	SPB-0047	Blade thickness 0.4mm / Ideal for cutting materials that require more durability than carbide blades.	1 pieces
Reciprocating tool	T06 Holder (Included with a tool)			
	Carbide design blade 30°	SPB-0051	Carbide blade capable of cutting materials up to 0.6mm / 10mm blade thickness.	3 pieces
	Joint sheet carbide blade	SPB-0063	Carbide blade for joint sheets, capable of cutting up to 10 mm material.	3 pieces
	Reciprocating cutter blade holder S06	SPA-0343		
	Carbide blade 2°	SPB-0064	Blade thickness 0.6mm / Reciprocating cutter blade developed mainly for cutting foam, suitable for cutting foam up to 20mm.	5 pieces
	Carbide blade 7×15	SPB-0075	Cutting blade for rubber can cut up to 15mm.	5 pieces
	Reciprocating cutter blade holder M06	SPA-0344		
V-cut tool V45 / VAS	20mm blade	SPB-0055	Blade thickness 0.6mm / Reciprocating cutter blade developed mainly for cutting corrugated board, suitable for cutting up to AB level.	10 pieces
	Carbide blade 17°	SPB-0065	Blade thickness 0.6mm / Durable reciprocating cutter blade developed mainly for cutting corrugated board, suitable for cutting up to AB level.	5 pieces
	Carbide blade 17°DLC	SPB-0083	Durable reciprocating cutter blade developed mainly for cutting corrugated board, suitable for cutting up to AB level.Diamond coating is applied to SPB-065 to improve durability.	5 pieces
	Reciprocating cutter blade holder L10	SPA-0345	Reciprocating cutter developed for hard gaskets with a blade thickness of 0.6 mm / 3 mm or less, allowing cutting up to 5 mm thick.	
	Carbide blade 25×5	SPB-0077	Reciprocating cutter developed for hard gaskets with a blade thickness of 0.6 mm / 3 mm or less, allowing cutting up to 5 mm thick.	5 pieces
	Carbide blade 25×5_DLC	SPB-0078	Diamond coated blade thickness 0.6mm / SPB-0077 Improved durability.	5 pieces
	Carbide blade 25×5 F DLC	SPB-0079	Based on SPB-0077 with a blade thickness of 0.6 mm and a flat blade of 0.8 mm at the tip. It is diamond coated to prevent burrs from forming.	5 pieces
	Reciprocating cutter blade holder S10	SPA-0346		
	40mm blade (Carbide)	SPB-0056	Blade thickness 1.0 mm / Reciprocating cutter blade developed mainly for cutting foam, suitable for cutting foam up to 20 mm.	5 pieces
	S10 Reciprocating cutter carbide 2°×50mm	SPB-0094	Reciprocating cutter blade capable of cutting materials up to 1.0 mm / 54 mm blade thickness.	5 pieces
—	S10 Reciprocating cutter carbide 2°×20mm	SPB-0097	Reciprocating cutter blade capable of cutting materials up to 20 mm. Cutting corrugated board at 10 cm/s with E35.	5 pieces
	V-cut blade	SPB-0095	Cutter blade developed for V-cut. It can be used for both 45°VAS and media up to 20 mm.	1 pieces
	5.5kW/6.3kW vacuum unit	OPT-C0249	One unit for CFX-2513 and two units for other sizes must be purchased separately. Hose, power cable, and connection cable to the CFX main unit are included.	1 set
	Camera Unit	OPT-C0252	Required for cutting with registration marks or cutting reverse side of pre-printed materials. Included in all standard tool set models.	1 set
	Felt mat 2513	SPC-0924	Replacement felt mat for the front side of the processing table in sizes 2513, 2531, and 2550.	1 sheet
—	Felt mat For additional table	SPC-0925	Replacement machining table felt mat, for use on all machining tables except the front side of sizes 2531 and 2550.	1 sheet

■Main Specifications

Items	CFX-2513	CFX-2531	CFX-2550
Valid plotting area [X axis x Y axis]	1,300×2,540mm	3,190×2,540mm	5,080×2,540mm
Driving system	X/Y axis : AC servo Z/θ axis : DC servo		
Max. plotting speed / acceleration	100cm/s (Plotting speed depends on materials and tools used) / 0.7G		
Static accuracy *	Repetition accuracy : ±0.03mm Distance accuracy : ±0.1mm or ±0.1% of movement distance, whichever is greater Origin reproducibility : ±0.15mm		
Max. plotting height (Clearance at tool rise)	E12/E35/E60 : 54mm	V45/VAS : 20mm FBT : 10mm C16/C26 : 54mm C60 : 20mm	
Max. material weight	Less than 50kg/m², non concentrated load		
Command	MGL-3C (HPGL standard)		
Interface	RS-232C / Ethernet		
Safety standards	VCCI classA, FCC classA, CE Marking, CB Report (EN62368), UL62368-1, Machine directive, RoHS, REACH		
Power Specifications	CFX body : Single phase 200V~240V 50/60Hz 12A or less Vacuum unit OPT-C0249 : Three phase 200V~240V 50/60Hz 30A or less (per one unit)		
Power consumption	CFX body : 2.880W or less		
Outer dimensions [W×D×H]	4,050×2,150×1,500mm	4,050×4,050×1,500mm	4,050×5,950×1,500mm
Main unit weight	440kg	660kg	880kg
Installation environment	Operation temperature : 5℃~35℃ Operation humidity : 35~75%Rh Accuracy Guaranteed Temperature : 20℃~25℃ Operation humidity : 35~65%Rh Temperature Gradient : ±10℃/h or less		
Bundled software	FineCut/Coat9		

* It is an accuracy while pen plotting almost without the load.

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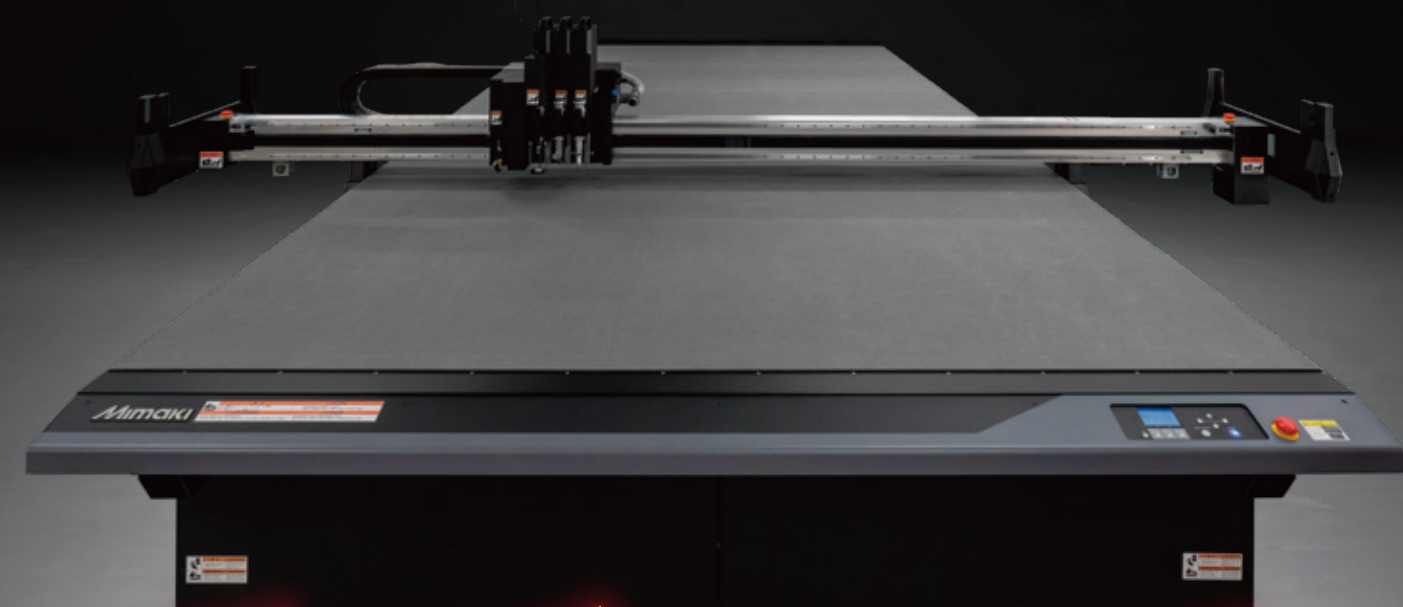
USA	MIMAKI USA, INC.	Europe	MIMAKI EUROPE B.V.
Brasil	MIMAKI BRASIL COMERCIO E IMPORTACAO LTDA	Indonesia	PT. MIMAKI INDONESIA
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Vietnam	MIMAKI VIETNAM CO., LTD.		

CFX Series
CFX-2513 / CFX-2531 / CFX-2550

Mimaki

High speed & acceleration, a cutting plotter of its highest class

Creativity Defines the Use



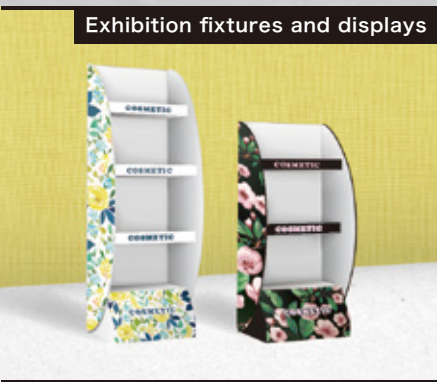
High-end level
Max. speed
100cm/sec.*

V-cut & Router
Included,
Total 10 tools line-up

Max.
4 Tools
Simultaneous
mounting

Optional
Table-Extension
possible at any time

*at specific cutting conditions



Key 04 Max. pressure 30kg, 2 types of cutting mode

Switchable according to material and processing method
Realizes high quality processing.

cut mode A Position Control Mode

Cutting of hard materials with a specified depth of cut.
Also, the creasing line in the direction of the flow line of corrugated cardboard can be processed stably.

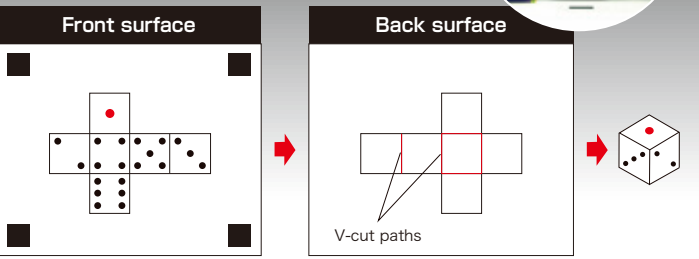
cut mode B Pressure Control Mode

Creasing line processing with specified pressure is also possible. Reduces ruled cracks and liner cracks in the width direction of softer corrugated board.

Key 05 Can be cut from the back to match the print surface

Camera unit (included in set-model 01~03)

Registration marks and the media edge detection
Can cut the exact position from the back side of the print
Provides high quality surface shape



After detecting the printed marks and media edge, the back side is cut.

Tool Mounting Unit

TUT-15 : Pressure 5~15kg
TUT-30 : Pressure 15~30kg
Weight approx. 6kg

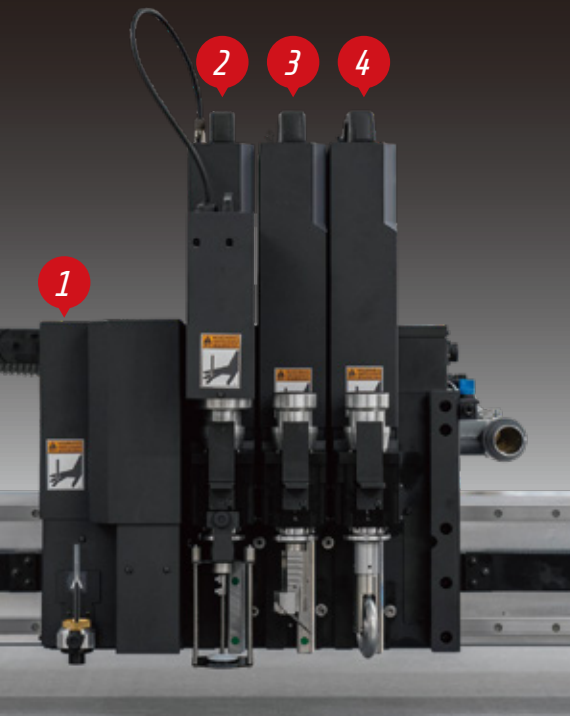


Key 06 Up to 4 tools can be set at the same time.

Enhanced processing efficiency and variation!

No need to change tools and make adjustments when cutting different materials in succession.

※Up to 3 types of processing tools can be selected in addition to the standard pen unit.



※④ is limited to the unit type and tools can be used.

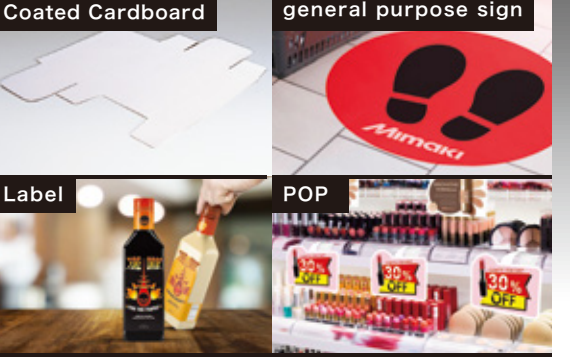
Standard Tool Set-Model

Set-Model 01 IC-Model Model Code CFX-TD1 2513/2531/2550

Entry set model that allows maximize the use of minimal tools to start creating packages and general sign graphics



Application Examples



※Our flatbed printer is required to print the materials. (sold separately)

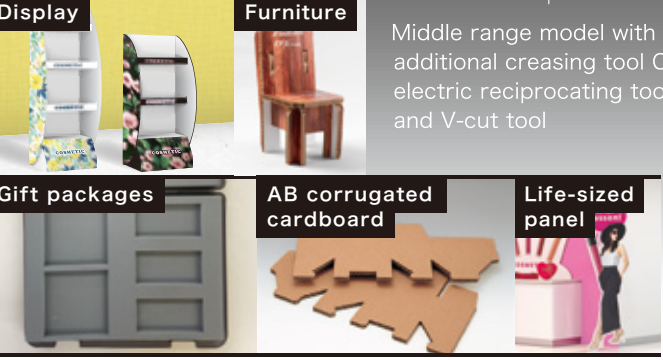
Choose from three "standard tool set models" to suit your cutting business!
Additional tools can be purchased at any time as your business grows and applications expand.

Set-Model 02 EC-Model Model Code CFX-TR1VAD2 2513/2531/2550

With the addition of an electric reciprocator and V-cut, this set model supports overall packaging and fixture/display production by cutting various types of corrugated cardboards



Application Examples



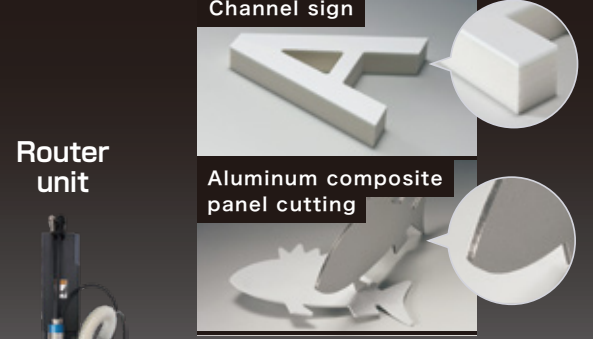
Middle range model with additional creasing tool C26, electric reciprocating tool and V-cut tool

Set-Model 03 LC-Model Model Code CFX-TR1VAD2M 2513/2531/2550

This set model supports the production of sign graphics in general, including cutting of acrylic and aluminum composite panel with the addition of a router unit (for milling).



Application Examples



Full-set professional model with additional router unit

Applicable Tool Type ✓ : applicable						
Materials	Applications	Flat Blade Tool	Creasing Roller	Reciprocicator	V-cut	Router (Milling)
Cardboard	Packages	✓	✓			
Film	Stickers, Labels	✓				
Foam board	Panels			✓		
Corrugated cardboard	Packages	✓	✓	✓		
	Fixtures & Displays		✓	✓	✓	
Compositepanel & Aclyric	Channel Signs					✓

Two types of software can be operated even by beginners

Standard bundled software



The combination of Finecut/Coat9 and the mark sensor function enables high-precision cutting while correcting the tilt and distance of coordinates.

- Direct and easy cutting from Adobe Illustrator or CorelDRAW
- Multi-Cut function to cut the same area with different pressure and other conditions
- Automatic tiling-cut function to prevent overcutting of media
- ID Cut function automates cutting the printed materials

Optional software



Converts CAD data into optimum cutting data to maximize the capabilities of the cutting plotter.

- CAD data loading and cutting output
- Detailed cutting conditions can be set for industrial cutting, and database creation
- All pen output -Tracing function to reduce waste of expensive materials

New features for the CFX series

01 V-cut function

V-cut depth of cut can be adjusted and with one click. Triple cuts can be added with a single click. Easy post-processing after machining.

02 Edge detection, backside cutting

Provides a process that maximizes the convenience of the camera (optional)

03 Toggle Function

Continuous processing without time loss in material setting (-2531, -2550 sizes supported)

