

GRAPHTEC

Flatbed Cutting Plotters

FCX2000 & ^{New} FCX4000

SERIES SERIES

Work Smarter, Not Harder.

The Graphtec FCX Series is the ultimate solution for prototyping and small production runs of rigid materials without the use of a cutting die. Reduce media waste / processing time with Graphtec's precision cutting and dedicated software. Added offline (USB) operation enables users of all skill levels to easily process materials.



*FCX2000-60VC shown.

Advanced model with wide variety of tools and highest performance

FCX2000 SERIES



Desktop model offering high performance and cutting speeds up to 750 mm/s

FCX4000 SERIES



New

Max. force
9.8N
(1 kgf)

Speed
400
mm/s

610, 1200, 1800mm width table sizes with choice of vacuum suction, or electrostatic media hold-down methods depending on application.

FCX2000-60VC

FCX2000-120VC

FCX2000-180VC

FCX2000-120ES

(* FCX2000-120 ES is available in limited region.)

Max. force
5.88N
(600 gf)

Speed
750
mm/s

The effective cutting area of the 50ES model is expanded for supporting 2 sheets of A3+ size, and the 60ES model supports 4 sheets of A3+ size. It is more suitable in the use of post-processing of Print On Demand.

FCX4000-50ES

FCX4000-60ES

www.graphteccorp.com

Expanded industrial applications

Precision cutting is achieved by enhancements to the rigidity of the moving mechanism, which reduces deflection due to pressure during cutting. This has enabled new functions such as creasing / scoring lines. Graphtec flatbed cutting plotters meet the wide variety of applications used in prototyping and short production runs of packaging and industrial materials.

*1 FCX2000 Series only. Cutting accuracy is not guaranteed.



Packaging

Cardboard (up to E flute :1.5 mm)*1



Packaging / POP

Heavy paper



Sticker

Seal / Magnet sheet



Sandblasting

Sandblast resist rubber

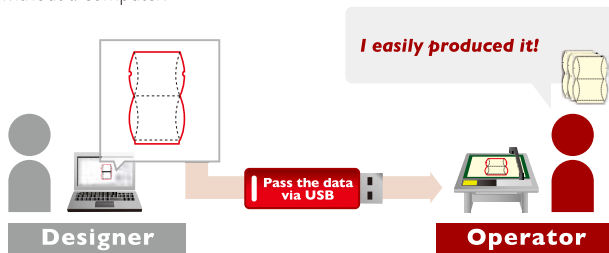
Enhanced functions for higher productivity and work efficiency

Offline operation supported by use of USB flash memory

Supported Software	<ul style="list-style-type: none"> • Cutting Master 4 • Graphtec Pro Studio • Graphtec Pro Studio Plus
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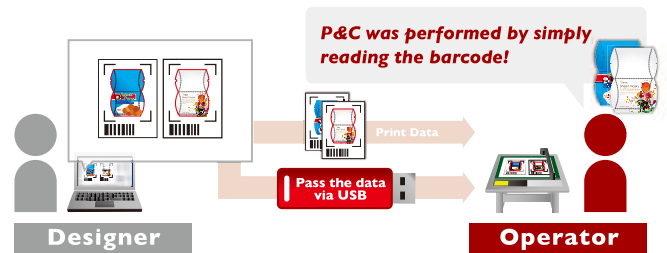
Offline operation using USB flash memory

Plot data is created from the design by using Cutting Master 4 or Graphtec Pro Studio, then the data is saved to USB flash memory. The plot data file can be selected from the USB by menu operation on the plotter, then cutting is performed. This simplified workflow enables users to operate without a computer.



Data management using barcode function with USB flash memory

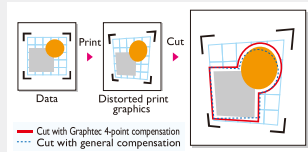
In Print & Cut operation, the cutting data is automatically selected from USB flash memory by scanning the barcode printed on the media then performs contour cutting. This prevents the usage of incorrect data, and improves work efficiency.



Enhanced ARMS (Advanced Registration Mark Sensing system) for improved productivity of P&C applications

Four-point compensation - Precise cutting even of distorted printed graphics

This feature compensates for any skewing or distortion in printed graphics to ensure precise contour cutting.



Reverse side Cutting/Creasing using ARMS

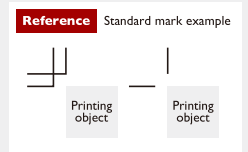
Cutting and creasing of printed graphics is possible even on the reverse side of the media. This prevents any scratches or damage to the printed graphic. On the FCX Series, operation is simple using **Cutting Master 4** or **Graphtec Pro Studio**.

Automatic ARMS Sensitivity Adjustment

Marks are detectable when there is reasonable contrast against the background. For example, a white mark on a colored background.

Supported by standard crop marks - special marks are not required for cutting

P&C is performed by printing the industry standard crop marks. Adding special marks with Graphtec software is not necessary. Operation is simple when crop mark information is entered within **Cutting Master 4** software.



ARMS Copy function

After data is sent the first time, it can be copied multiple times without a PC. In the FCX Series, the first four marks are scanned on the first sheet, and only the first mark in subsequent sheets. This improves productivity by shortening scan detection time.

Expanded cutting area

This function expands the cutting area to include objects outside of the area enclosed by registration marks. Production efficiency is enhanced by reducing media waste.

ions

that
such as curved
applications

Flatbed Cutting Plotters

FCX2000 SERIES & FCX4000 SERIES



Garment / Shoe Pattern
Cardboard / Compressed foam sheet



Traffic Signage
High-intensity reflective film



Industrial Goods
Highly-functional film



Window Display
Self-adhesive marking film

Improved application software

The cutting plotter is ready for use with the supported software, with other advanced features available via plug-ins and optional software.

plug-in software **Cutting Master 4**

Win | Mac

Cutting Master 4 is Graphtec plug-in software for Adobe Illustrator and CorelDRAW Graphics Suite. It sends cut data to the plotter and includes a variety of functions such as: preview, registration mark creation, tool conditions, cut job settings and more. **Cutting Master 4** is easy to use and enables you to get the best performance from your plotter.



Graphics design software **Graphtec Pro Studio**

Win

Easy-to-use application software for creating original designs. It has enhanced functions such as auto-shapes, shading, and editing functions. It can also configure the cutting conditions and other settings on the plotter. Importing of EPS, Ai*, CMX*, and PDF* file types are supported. Graphics created with other popular design software can be imported into the software.



* It is available on the Graphtec Pro Studio.

For MAC OS user

Included **Graphtec Studio**

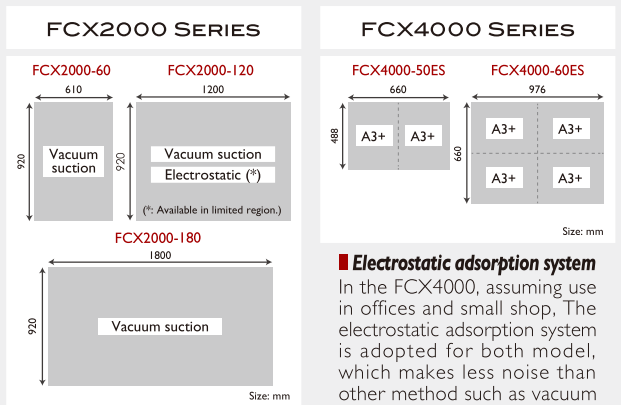
Advanced software

Option **Graphtec Pro Studio Plus**

Graphtec Pro Studio Plus is the enhanced edition of Graphtec Pro Studio. It is optional software with functions for improving productivity and advanced design. Additional functions include: transformation of characters and graphics, automatic sequence number insertion, barcode creation, templates for rhinestone creation, nesting, directional change of cutting lines, changing cutting order, and more.



Table size and Media hold-down method



Vacuum suction system

Holds media using external pump (blower). This option is most suitable for heavy or thicker materials.

Electrostatic adsorption system

Holds media by electrostatic that is generated by electrodes arranged inside the panel. This option is most suitable for cutting light weight materials.

Electrostatic adsorption system

In the FCX4000, assuming use in offices and small shop, The electrostatic adsorption system is adopted for both model, which makes less noise than other method such as vacuum suction system during the operation.

Cling mat system

Further, By using the optional cling mat, it is also possible to cut media that can not be securely fixed by the electrostatic adsorption system.

Provided tools suitable for many applications

Creasing / scoring tool

PM-CT-002 is a new tool. This reduces peeling and cracking on the printed surface during the creasing/scoring process compared to our existing models.

* For FCX2000 Series



Loupe for cutting blade

The Loupe is a standard accessory used to easily adjust extruded blade length with the PHP33 and PHP35 blade holders.

