The cost/performance leading cutting plotter continues to evolve

The CE6000 Plus series is equipped with professional features such as a registration mark sensor and perforation cutting ability at a low cost. Supported software includes advanced cutting functions that improve work efficiency and productivity.

Supports multiple cutting methods with a max force of 4.41 N (450 gf), speed of 1000 mm/s*1 and perforation cutting ability.

Self adhesive sheet (Marking, label)

Print & Cut

Cut out*2	Half cut	Half cut and perforation cut

Material
Release paper (liner)
Carrier sheet for media
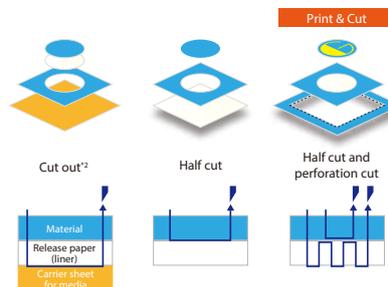
Paper or others (medias with no liner)

Print & Cut   Print & Cut

Cut out*2	Perforation cut

Material
Carrier sheet for media
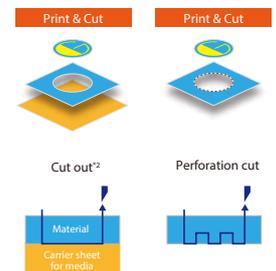
Reliable long length tracking in 5 m long*3

The new media stocker ensures a more stable media feed.
A brake system is incorporated to assist loading heavy rolls of media properly. On the CE6000-120 PLUS, the pressure of the center push roller has two settings to suit all types of media. It prevents media lifting without leaving a trace mark and provides stable long-length cutting. The optional basket improves long-length cutting even further.

Switching the pressure of the center push roller (CE6000-120 PLUS)

Media brake on the media stocker (CE6000-60 PLUS/120 PLUS)

Basket (Option for the CE6000-60 PLUS/120 PLUS)

Three sizes to best suit your applications

The size of these three models corresponds to their mountable media widths: 484 mm (19 in.), 712 mm (28 in.), and 1346 mm (52 in.).

Create advanced cutting designs and control cutting plotters with enhanced software.

Plug-in software
for Illustrator & CorelDRAW

Cutting Master 4 NEW

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.

Supported OS*1	Windows 10 / 8.1 / 8 / 7	Supported software*1	Adobe Illustrator CC2018/CC2017/CC2015.3/CC2014/CC/CS6/CS5/CS4*2
	Mac OS X 10.7 - macOS 10.13		Corel DRAW Graphics Suite 2017/X8/X7/X6/X5/X4

< Major Features >

● Editing position on media, enlarging and reducing the graphic directly within the preview windows
● Creating an outline of a letter, recognizing a line width and the overlap   ● Output by layer or color● Insert weeding lines & borders   ● Split large objects into smaller pieces with the tiling function
● Supports the connection and switching of multiple plotters

Graphic design software

Graphtec Pro Studio NEW
Graphtec Studio

Easy-to-use application software for creating original designs. Includes enhanced functions such as auto-shapes, shading, and editing functions. It can also configure the cutting conditions and other settings on the plotter. Supports importing of EPS, Ai*3, CMX*3, and PDF*3 file types. Graphics created with other popular design software can be imported into the software.

Supported OS*1	Graphtec Pro Studio	Windows 10 / 8.1 / 8 / 7
	Graphtec Studio	Mac OS X 10.6 - macOS 10.13

< Major Features >

● Creating designs using auto-shape, various line type, etc.   ● Editing text using rotate, mirror, fit-to-shape, etc.   ● Auto-trace (supporting bmp, tiff, jpeg, etc. image format)
● Supports the connection and switching of multiple plotters   ● Import EPS, DXF format files and other raster format files   ● Output by color   ● Insert weeding lines & borders*3

Cost / Performance Leading Cutting Plotter
CE6000 Plus series

GRAPHTEC CE6000-120 (48") Plus

Intuitive operation

Graphtec greatly values the importance of simple operability - which is reflected through the CE6000's intuitive operation panel, quickly adjustable user settings, and automatic registration mark sensing system to support print and cut alignment.

Large, Backlit LCD screen

Clearly navigate settings of the CE6000 using its large LCD screen (240 x 128 dots) and tactile control panel. This screen is icon driven and supports 10 languages.

Easier to cut in simple operation mode !

Simple mode
Two set up menus, Simple and Normal, are available and can be chosen by the operator as desired. In the Simple operation mode, selecting the type of media also sets the necessary cutting conditions.

Normal mode
Use all functions and settings
A   B
Operator
Switch modes with one button!

Conditions set for each application
Ad
Administrator

Simple mode
Start cutting operation without setting
POP   Film   Label
A   B   C
Operators

Displayed menu in Simple mode
Media Settings   Interface Settings   Other Settings
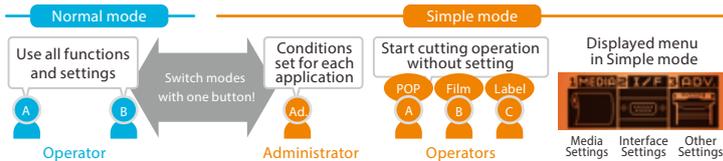
Saving cutting conditions
8 separate cutting conditions for different media types can be set and stored on the CE6000, making it easy to swtich between jobs.

Improved Print & Cut productivity with ARMS 5.0 (Advanced Registration Mark Sensing system)

4-point axis alignment
This feature compensates for any skewing and shrinking on the X and Y-axis using sophisticated algorithms. This leads to more accurate registration and improves the reliability and quality of Print & Cut.

Print   Cut
Data   Distorted graphics in printing

— Cut with Graphtec 4-point axis alignment
······ Cut in general correction
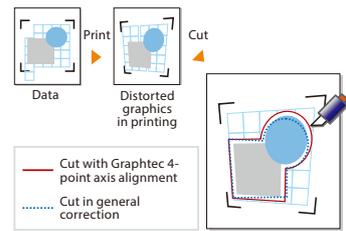
Multiple-mark compensation
When a design is printed using the matrix copy function, the marks are read and contour cutting is repeated for each copy. It can significantly improve productivity for Print and Cut.

* This function is available when supported software is used.

1cut   2cut
3cut   4cut

Send cutting data along with array information to the plotter.
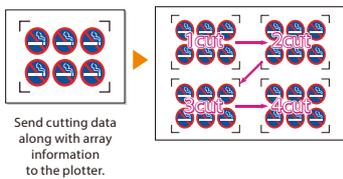
Copy with ARMS
The COPY key allows fast access for making copies of downloaded data. It also supports cutting data including the ARMS control command for processing multiple sheets without a PC.

First cut
Cutting data
Subsequent cutting

Expanded effective cutting area
The ARMS system expands the cutting area to include outside of the area enclosed by registration marks. This increases production efficiency by reducing media waste.

Cutting area in ARMS 4.0 and prior
Cutting area in ARMS 5.0
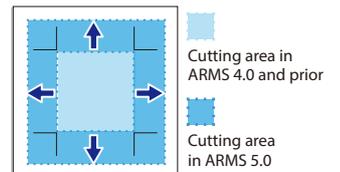
*1 CE6000-120 PLUS
*2 Carrier sheet is required for feeding the media.
*3 In the CE6000-60 PLUS and CE6000-120 PLUS Operated with Graphtec specified cutting conditions and media. In long-length cutting jobs, the basket is used.

Full of functions specialized for cutting! Fit to create advanced design and more productivity

Optional Advanced graphic design software

### Graphtec Pro Studio Plus **NEW**

This 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, bar-code creation, nesting, directional change and changing cutting order, and more.

Power Nest (Nesting)
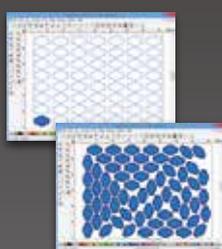
Changing cutting order

Serialized number, Bar-code, QR code, etc.
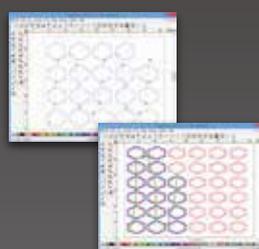
QR code, data matrix, bar code, etc.

Supported OS*1	Wndows 10 / 8.1 / 8 / 7

< Major Features >
- Deformation, shadow, and stripe of texts and shapes ● Spell Check ● Vectoring
- Filter for bitmap image ● Serialized number, Bar-code, QR code, etc. ● Power Nest (Nesting)
- Cutting simulation (Changing cutting order) ● Output by layer or color
- Add weeding lines / borders

*1 For more information regarding OS compatibility or application software, please check the Graphtec website or contact your local representative of Graphtec.
*2 Adobe Illustrator CS 4 is supported with Windows OS only.
*3 Available in Graphtec Pro Studio.

Specifications

Item	CE6000-40 PLUS	CE6000-60 PLUS	CE6000-120 PLUS
Configuration	Grit roller with digital servo drive system		
Maximum cutting area (W x L)	375 mm x 50 m (*1)	603 mm x 50 m (*1)	1213 mm x 50 m (*1)
Cutting area of guaranteed accuracy (W x L) (when using the basket)	356 mm x 2 m (*1)	584 mm x 2 m (*1) (584 mm x 5 m) (*1)	1194 mm x 2 m (*1) (1194 mm x 5 m) (*1)
Mountable media width	Min. 50 mm to max. 484 mm	Min. 50 mm to max. 712 mm	Min. 120 mm to max. 1346 mm
Number of push rollers	2 rollers		4 rollers
Maximum cutting speed	600 mm/s, in all directions	900 mm/s, at 45º angle	1000 mm/s, at 45º angle
Maximum acceleration	21.2 m/s², at 45º direction		13.9 m/s², at 45º direction
Maximum cutting force	4.41 N (450 gf) in 38 steps		
Minimum character size	Approx. 5 mm alphanumeric (varies depending on character font and type of media)		
Programmable resolution	GP-GL: 0.1 / 0.05 / 0.025 / 0.01 mm, HP-GL™: 0.025 mm		
Repeat-ability	Max. 0.1 mm in plot up to 2 m (*1)		
Mountable number of tools 1 tool			
Blade type	Supersteel		
Pen type	Oil-based ballpoint, Water-based fiber-tip pen		
Media type	Self-adhesive marking film (vinyl, fluorescent, reflective) excluding high-intensity reflective film, up to 0.25 mm thickness Polyester film, up to 0.25mm thickness (unguaranteed accuracy)		
Perforation cutting	Yes (performed by force control)		
Interface	RS-232C, USB2.0		
Buffer memory	2 MB		
Command sets	GP-GL / HP-GLTM emulation (Set by command or auto-detect)		
Display	Graphic type LCD with back-light (240dots x 128dots), supports 10 languages		
Registration mark sensing system	Marks are scanned by an optical sensor (ARMS5.0), Segment area and Multiple marks compensation, 4-points axis alignment, Auto mark detect		
Alignment accuracy	Maximum 0.3 mm with printed image (when reading registration marks specified by this machine)		
Power source	100 to 120, 200 to 240 V AC (Auto switch), 50 / 60 Hz		
Power consumption	120 VA		
Operating environment	10 to 35 ºC, 35 to 75 % R.H. (non-condensing)		
Guaranteed accuracy environment	16 to 32 ºC, 35 to 70 % R.H. (non-condensing)		
External dimensions (W x D x H)	Approx. 672 x 338 x 266 mm	Approx. 900 x 593 x 1046 mm	Approx. 1541 x 736 x 1250 mm
Weight	Approx. 10.5 kg	Approx. 21 kg (including stand 8.1 kg)	Approx. 40.5 kg (including stand 16.4 kg)
Compatible OS (*2)	Windows 10 / 8.1 / 8 / 7 Mac OSX 10.6 to macOS 10.13 (Graphtec Studio: 10.6 - 10.13, Cutting Master 4: 10.7 - 10.13)		
Supported software (*3)	Cutting Master 4, Graphtec Pro Studio (for Windows)(*4), Graphtec Studio (for Mac), Windows driver, Cutting Plotter Controller		
Compatibility Standards	Safety	UL / cUL, CE mark, RoHS Directive		
	EMC	VCCI Class A, FCC Class A, EN55032 Class A		

* The CE6000 Plus series is a product combining the CE 6000 series cutting plotter with the latest software.
*1: Operated with Graphtec specified cutting condition and media. For long-length cutting, the basket is used.
*2: For more information regarding OS / application software compatibility, please check the Graphtec website or contact your local representative of Graphtec.
*3: The software can be downloaded from Graphtec website.
*4: The software can be used by downloading from the WEB site for this software according to the procedure manual.

Options

Item	Part No.	CE6000 Plus 40	60	120	Description
Stand	ST0100	-	○	-	Stand for CE6000-60
Media catch basket	PG0100	-	○	-	Basket for CE6000-60
	PG0101	-	-	○	Basket for CE6000-120

○: Available

Supplies

Item	Part No.	CE6000 Plus 40	60	120	Description	Package
Cutting blade holder	PHP33-CB09N-HS	○	○	○	For CB09U series blade with plastic tip	1 set/pack
	PHP33-CB15N-HS	○	○	○	For CB15U series blade with plastic tip	1 set/pack
Cutting blade	CB09UB-5	○	○	○	0.9mm dia. supersteel blade	5 blades/pack
	CB09UB-K60-5	○	○	○	0.9mm dia. for cutting thin film	5 blades/pack
	CB15U-5	○	○	○	1.5mm dia. supersteel blade	5 blades/pack
Loupe	PM-CT-001	○	○	○	Checking length & quality of blade tip, for PHP33 and PHP35 series	1 set/pack
Water-baced fiber-tip pen, pen holder	PHP31-FIBER	○	○	○	Pen holder for KF700 series	1 set/pack
	KF700-BK	○	○	○	Black colour pen	10 pens/pack
	KF700-RD	○	○	○	Red colour pen	10 pens/pack
	KF700-BL	○	○	○	Blue colour pen	10 pens/pack
Oil-based ballpoint pen, pen holder	PHP34-BALL	○	○	○	Pen holder for KB700-BK	1 set/pack
	KB700-BK	○	○	○	Black colour pen	10 pens/pack
Carrier sheet of media	CR09300-A3	○	○	○	A3 size, for no liner type media	2 sheets/pack
Cutting mat	CE6-CM40-2	○	-	-	For CE6000-40 PLUS	2 mats/pack
	CE6-CM60-2	-	○	-	For CE6000-60 PLUS	2 mats/pack
	CE6-CM120-2	-	-	○	For CE6000-120 PLUS	2 mats/pack

○: Available

Standard accessories

Item	QTY	Description
Power cord	1	Cord type varies by country
Cutting blade holder	1	PHP33-CB09N-HS for CB09 cutting blade
Cutting blade	1	CB09UB, 0.9mm dia. supersteel blade
Loupe	1	PM-CT-001, for checking length and quality of blade tip
Separate cutter	1	For manually cutting from sheets and rolls
Fiber-tip pen holder	1	PHP31-FIBER for KF700 fiber-tip pen
Water-based fiber-tip pen	1	KF700-BK (black ink)
Carrier sheet of media(*5)	1	A3 size, 1 sheet/pack for CE6000-40
Tray for roll media stock	1	For CE6000-40, -60(*6)
Stand	1	For CE6000-60(*6), CE6000-120
USB cable	1	USB cable, 2.9 m long
DVD-ROM	1	User manual, Windows driver, Plotter Controller
Printed document	1	Quick manual, Safety manual

*5: It is included only with CE 6000-40 PLUS.
*6: In the CE6000-60 PLUS, either the roll media stock tray or the stand will be included depending on the order.

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• Items mentioned are subject to change without notice. For more information about product, please check the web site or contact your local representative.

⚠ For using equipment in correctly and safely
• The before using it, please read the user manual and then please use it properly in accordance with the description.
• To avoid an occurrence of malfunction or an electric shock by leakage, please ensure ground connection and use it in specified power source.