

Specifications	CE6000-40	CE6000-60	CE6000-120	CE6000-120-AMO
Item	CE6000-40	CE6000-60	CE6000-120	CE6000-120-AMO
CPU	32-bit CPU			
Configuration	Grit rolling type			
Drive method	Digital servo drive			
Maximum cutting area (W x L)	375 mm x 50 mm ¹⁾	603 mm x 50 mm ¹⁾	1213 mm x 50 mm ¹⁾	
Cutting area of guaranteed accuracy (W x L) (when using the basket)	386 mm x 2 mm ¹⁾	566 mm x 2 mm ¹⁾ (584 mm x 6 mm) ¹⁾	1194 mm x 2 mm ¹⁾ (1194 mm x 5 mm) ¹⁾	
Mountable media width	Max. 454 mm Min. 50 mm	Max. 712 mm Min. 50 mm	Max. 1346 mm Min. 120 mm	
Number of push rollers	2 rollers	2 rollers	3 rollers	4 rollers
Maximum cutting speed	600 mm/s (All directions)	900 mm/s (at 45° direction)	1000 mm/s (at 45° direction)	
Maximum acceleration	21.2 m/s ² (at 45° direction)		13.9 m/s ² (at 45° direction)	
Maximum guaranteed cutting force	2.94 N (200 gf) in 31 steps	4.41 N (450 gf) in 38 steps	4.41 N (450 gf) in 38 steps	
Instantaneous max. force (on guaranteed)	3.2 N (330 gf)	4.9 N (500 gf)	4.9 N (500 gf)	
Minimum character size	Approx. 8 mm alphanumeric (varies depending on character font and type of media)			
Mechanical resolution	0.095 mm			
Programmable resolution	HPGL: 0.1, 0.05, 0.025 / 0.01 mm, HPGL™: 0.025 mm			
Repeatability	Max. 0.1 mm in gbt up to 2 m ¹⁾			
Mountable number of tools	1 tool			
Blade type	Supersteed			
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 (on guaranteed accuracy)			
Perforation cutting	Yes (performed by force control)			
Interface	RS-232C, USB2.0 (Full Speed)			
Buffer memory	2 MB			
Command sets	HP-GL / HP-GL™ emulation (Set by the menu or the command, and selects from HP-GL, HP-GL™ or Auto delete)			
Display	Graphic type LCD with backlight (240dots x 128dots), supports 10 languages			
Registration mark sensing system	Scan the mark by optical sensor (ARMS5.0). Segment area and Multiple marks compensation, 4-points set alignment, Auto mark detect			
Power source	100 to 120, 200 to 240 V AC (Auto switch), 50 / 60 Hz			
Power consumption	120 VA			
Operating environment	10 to 35 °C, 25 to 75 % R.H. (non-condensing)			
Guaranteed accuracy environment	18 to 32 °C, 25 to 75 % R.H. (non-condensing)			
External dimensions (W x D x H)	Approx. 672 x 338 x 266 mm	Approx. 900 x 593 x 196 mm	Approx. 1541 x 736 x 1250 mm	
Weight	Approx. 10.5 kg	Approx. 21 kg (including stand 0.1 kg)	Approx. 40.5 kg (including stand 16.4 kg)	
Included software ¹⁾	Windows Driver, Graphtec Studio, Cutting Master 3, Roller Controller			
Compatible OS ²⁾	Windows 8 / 8 Pro / 7 (excluding Starter and Home basic) / Vista / XP, Mac OS 10.5.8 to 10.8			
Compatible Standards	Safety: CE mark EMC: VCCI Class A, FCC Class A, EN55022 Class A			

¹⁾ Operated with Graphtec specified cutting condition and the media. In long-length cutting, the basket is used.
²⁾ For more information about compatibility of the OS or application software, please check the Graphtec website or contact your local representative of Graphtec.

Options		
Item	Part No.	Description
Stand	ST0100	Stand for CE6000-40
Basket	PG0100	Basket for CE6000-60
	PG0101	Basket for CE6000-120/120-AMO

Supplies			
Item	Part No.	Description	Package
Cutting blade holder	PHP34-CB09H+HS	For 0.9mm dia. blades (CB09J series)	1 set/pack
	PHP33-CB15H+HS	For 1.5mm dia. blades (CB15J series)	1 set/pack
	CB09UB-5	0.9mm dia. supersteed blade	8 blades/pack
	CB09UB-60S-5	0.9mm dia. for cutting thin film	8 blades/pack
	CB15UB-4	1.5mm dia. supersteed blade	5 blades/pack
	CB15UB-2	1.5mm dia. for cutting small character	2 blades/pack
Water-based fiber-tip pen	KF700-BK	Black colour pen	10 pens/pack
	KF700-RD	Red colour pen	10 pens/pack
	KF700-BL	Blue colour pen	10 pens/pack
Fiber-tip pen holder	PHP31-FIBER	For KF700 series	1 set/pack
Oil-based ballpoint pen	KB700-BK	Black colour pen	10 pens/pack
Ballpoint pen holder	PHP34-BALL	For KB700 series	1 set/pack
Carrier sheet	CR0300-43	A3 size for no liner type media	2 sheets/pack
	CE5-CM02-40	For CE6000-40	2 mats/pack
	CE5-CM02-60	For CE6000-60	2 mats/pack
	CE5-CM120-2	For CE6000-120	2 mats/pack

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EP271212_AD Ver.1

GRAPHTEC

Cutting Plotter

CE6000 series NEW

40/60/120/120-AMO



High Quality, High Reliability
 Easy to operate, no experience required.
 Setting new industry standards for it's class

- Family of four models in three sizes to match all requirements
- New ARMS 5.0 for improved Print & Cut
- Increased cutting force 4.41 N (450 gfi) *
- Rugged design with new features for reliable long-length tracking
- Large graphic type LCD with support for 10 languages
- Switchable operation modes (Simple/Normal) for ease of use
- Includes high quality application software (Graphtec Studio and Cutting Master 3)

* In the CE6000-60, 120, 120-AMO



CE6000-40

CE6000-60

CE6000-120
CE6000-120-AMO

www.graphteccorp.com

Reliable cutting quality Intuitive operation, easy to

Cutting plotter CE6000 series, Price and Performance Leader

The CE6000 series sets the standard for high performance, low cost. It is equipped with professional-level features such as registration and perforation cutting for producing a dividing line in the middle of the sheet. The advanced features of the CE6000 series improve accuracy and increases productivity.

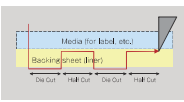


Wider range of applications due to increased cutting force of 4.9 N (500 gf)*

Supports down force of 4.9 N (500 gf)* when the blade is down. Increases the range of media that can be cut.
* Guaranteed maximum cutting force is 4.91 N (500 gf) on CE5000-60/120/120-AMC.

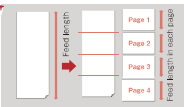
Supports perforation cutting

Perforation cutting is performed by controlling the cutting force instead of blade up/down movements, increasing throughput. This is perfect for cutting separation lines for training cut labels, fold lines for POP signs, and so on.



Automatic paneling

Auto-paneling is a new feature that automatically splits long-length jobs into smaller pages that are cut sequentially cut without any gaps. The result is a seamless, long-length finished job. Media movement is limited to the smaller page being cut, improving accuracy and tracking.



New large LCD for easy menu settings

Settings of the CE6000 can be easily set up using the large LCD (240 x 128 dots) and tactile control panel. It is icon-driven and can be set up in 10 languages.



Auto-detect command set feature

Supports auto-detection function for changing the command set automatically. Multiple applications can be used without concern for the types of commands used in each application.

Reliable long length tracking

The new media stoker ensures a more stable media feed. A brake system is built in to prevent uncontrolled roll media unwinds. It assists the correct loading of heavy roll media. On the CE6000-120/120-AMC, the pressure of the centre push roller has two settings to suit all media. It prevents media lifting without leaving a trace mark on the media and provides for stable long-length cutting. The optional basket improves long-length cutting even further.



Switching the pressure of the push roller (CE6000-120/120-AMC)

Easier to cut in simple operation 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.



Simple mode (Basic menus to ensure easy operation are displayed. Normal mode menus for setting of all the functions are displayed.)

Saving cutting conditions

8 separate cutting conditions for different media types can be set and stored on the CE6000, making switching between media types easy.

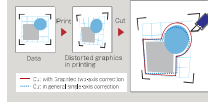
Enhanced functions for higher productivity

Improved ARMS 5.0 for high precision cutting

ARMS Advanced Registration Mark Sensing System

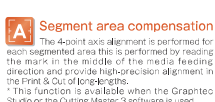
4-point axis alignment

This feature compensates for any distortion on the X-axis and Y-axis using world beating algorithms. Two-axis correction is Graphtec's proprietary technology. The basis to more accurate registration and improves the reliability and quality of Print & Cut.



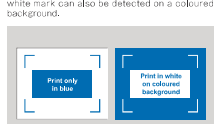
Multiple marks compensation

When the design is printed in the matrix copy function, the action of reading the marks and contour cutting is repeated in each copy. It can significantly improve productivity for Print and Cut. This function is available when the Graphtec Studio or the Cutting Master 3 software is used.



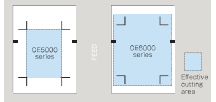
Segment area compensation

The 4-point axis alignment is performed for each segmented area. This is performed by reading the mark in the middle of the marks feeding direction and provide high-precision alignment in the Print & Cut of long-lengths. This function is available when the Graphtec Studio or the Cutting Master 3 software is used.



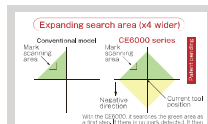
Expanded effective cutting area

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



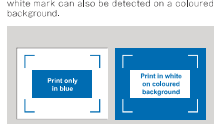
Auto mark detection

The first registration mark is automatically detected within a wide search area that eliminates the need to manually move the sensor near the registration mark position. Subsequent marks are automatically located which improves the operation of the registration mark searching.



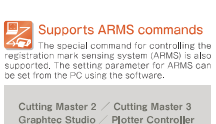
Auto sensitivity adjust

The sensitivity of the registration mark sensor is automatically set by measuring the reflective level of the mark and the background of the actual media. The mark can be detected when the colour of the mark has a reasonable contrast against the background. For example, a white mark can also be detected on a coloured background.



Copy with ARMS

The COPY key has now been added to the control panel to allow fast access for making multiple copies of the downloaded data. It also supports the cutting data including the ARMS control command for processing multiple sheets without a PC.

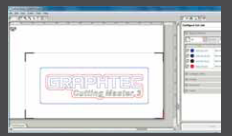


Supports ARMS commands

The special command for controlling the registration mark sensing system (ARMS) is also supported. The setting parameter for ARMS can be set from the PC using the software.



Improved application software is included



Plugin software for Illustrator & CorelDRAW Cutting Master 3

This plugin software sends the cutting object created by Illustrator or CorelDRAW to the plotter, and can also be used to control the plotter. It has a variety of features such as registration mark creation, matrix copy, fill, wood settings, tool conditions, cut job settings, and others. It is easy to use and enables you to get the best performance from your plotter.

- <Main Features>
 - Edit the position, expansion, and reduction directly within the original window.
 - Create an outline of the operator, recognizing a line width and gap overlap.
 - Output by line of colour, and treat line a line for weeding horizontal, vertical.
 - Output in selected small pieces by the fill function.
 - Supports the connection and switching of multiple plotters.

Supported OS: Windows 8 / Vista / XP / Mac OS 10.5.4 to 10.7
Supported software: Adobe Illustrator CS3/CS4/CS5/CS6/CS7/CS8/CS9



Design application software Graphtec Studio

This is an easy-to-use application software for creating original designs. Images can be easily created by using the 8-point icons that are arranged around the drawing area. It has enhanced features such as auto-panels, shading, and dotting functions. It can also configure the cutting conditions and other functions on the plotter.

- <Main Features>
 - Creating designs using sub-image, various line types, and shading.
 - Editing the characters using rotate, mirror, flip-rotate and outline.
 - Auto-paneling, of job size, image format.
 - Supports the connection and switching of multiple plotters.

Supported OS: Windows 8 / Vista / XP / Mac OS 10.5.4 to 10.7



Plotter control software Plotter Controller

This software can control various settings of the CE6000 from a PC, improving work and operating efficiency. The controller can be shared from the plotter driver when the print operation is executed by the Print menu of the application software. It can be run independently with the design software on the design and cutter control windows are open to smoothly run a series of tasks from image design to cutting media.

- <Main Features>
 - Configuring the cutting conditions.
 - Executing the test cut.
 - Setting the parameter for the ARMS functions.
 - Setting the rotation of the data to match the direction of media.
 - Moving the bed position.
 - Setting the origin of the plotter.
 - Operation with the shortcut keys.

Supported OS: Windows 8 / Vista / XP

* For more information about compatibility of the OS or application software, please check the Graphtec website or contact your local representative of Graphtec.