Manuals+ — User Manuals Simplified.

GRAPHTEC CE8000
Series Cutting Plotter

GRAPHTEC CE8000 Series Cutting Plotter Owner's Manual

Contents

GRAPHTEC

GRAPHTEC CE8000 Series Cutting Plotter

Specifications:

- Name: Cutting Plotter CE8000series
- Cutter type: Roll feed
- Drive system: Digital servo
- Max. cutting area [W x L]:
    - CE8000-40: 375mm x 50m
    - CE8000-60: 603mm x 50m
    - CE8000-130: 1270mm x 50m
- Accuracy guaranteed cutting area (W x L) when using basket:
    - CE8000-40: 355mm x 2m
    - CE8000-60: 583mm x 2m (583mm x 5m)
    - CE8000-130: 1250mm x 2m (1250mm x 5m)
- Mountable media size:
    - Minimum: 50mm
    - Maximum: 85mm

Product Usage Instructions

1. **Installation and Setup:**
   Follow the manufacturer's instructions to set up the cutting plotter in your workspace. Ensure the device is placed on a stable surface with enough space for media handling.
2. **Loading Media:**
   Insert the media into the cutting plotter according to the specified width range. Make sure it is properly aligned and secured with the push rollers.
3. **Using Cutting Software:**
   Install the provided software such as Cutting Master 5 or Graphtec Studio 2 on your Windows or Mac computer. Use these programs to create, edit, and send cutting data to the plotter.
4. **Setting Cutting Parameters:**
   Adjust cutting conditions like speed, force, and other settings based on the type of material you are working with. Ensure the settings are optimized for accurate cuts.
5. **Initiating Cutting Process:**
   Select the desired design or cutting data on the software, then send the command to start the cutting process. The cutting plotter will automatically detect registration marks and begin cutting.

FAQ:

- **Q: Can I use any type of media with this cutting plotter?**
  A: The cutting plotter supports various media types including vinyl, paper, and more. Ensure the media falls within the specified size and weight limits for optimal performance.
- **Q: How do I troubleshoot if the cutting plotter encounters errors during operation?**
  A: Refer to the user manual for error code explanations and troubleshooting steps. Ensure the media is loaded correctly and check the cutting parameters for any inconsistencies.

Cutting Plotter

CE8000series
CE8000-40/CE8000-60/CE8000-130

Window Signs

Traffic Signs

Heat Transfer

Product Labels
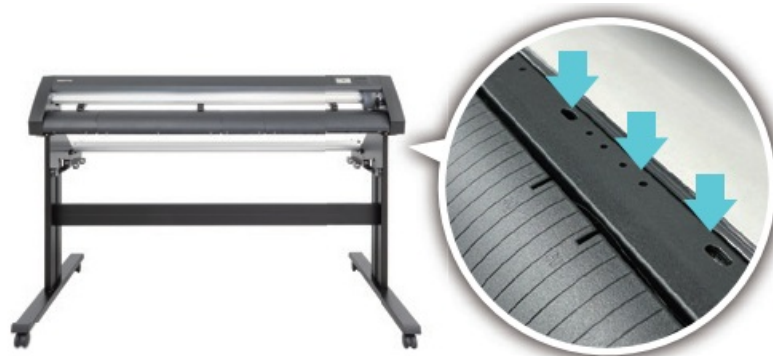

Stickers

Custom-made Merchandises

POPs

Cards

Backlight Films

NEW FUNCTIONS!

- **Wireless LAN:** Able to install anywhere in your office without being limited by the cable length.

   For limited areas only.

- **Media Set Assist:** Suction fans are installed to avoid media lift and shift when feeding.

Barcode   Quick Menu   Tool Conditions   Menu

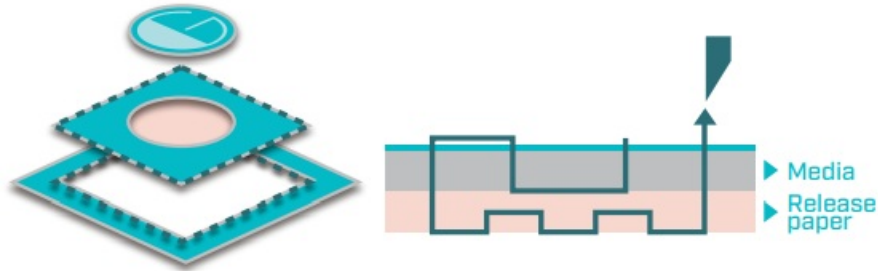- **Touch panel:** The operability has been improved. Frequently used functions are displayed as icons.

- **Email notification function:** The completion and error of continuous cut will be notified to users by email.
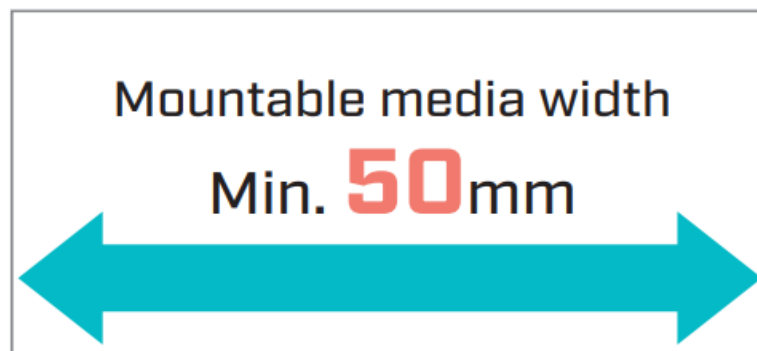
FEATURES TO IMPROVE YOUR PRODUCTIVITY

- Top-level cutting speed, accuracy, quality will be your best business partner.

Media
Release paper

- Operate both half-cut and perforation cut with one tool.

Mountable media width

Min. **50**mm

- Economy efficient by making full use of the media margin that tends to be wasted.

- By inserting a USB flash memory, cutting data can be transfered without using a PC.

Barcode

G1100ATW0-F

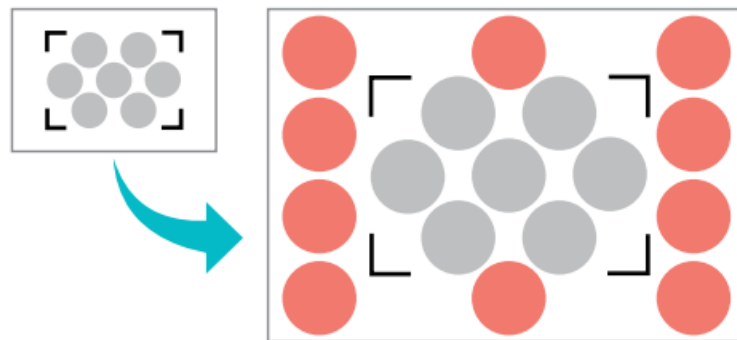Available for both directions!

Feeding direction
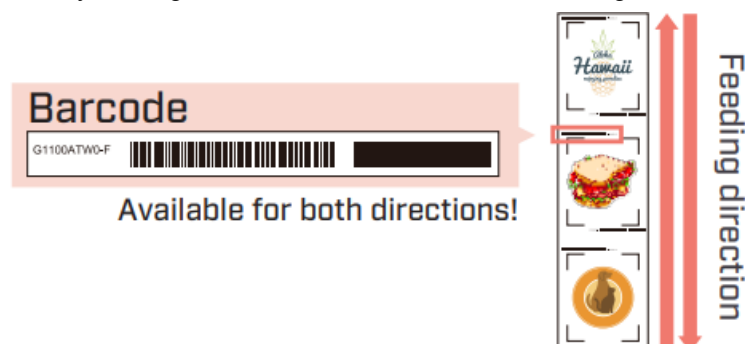
- Just operate START and the cutting plotter detects the right data with the barcord autoatically.
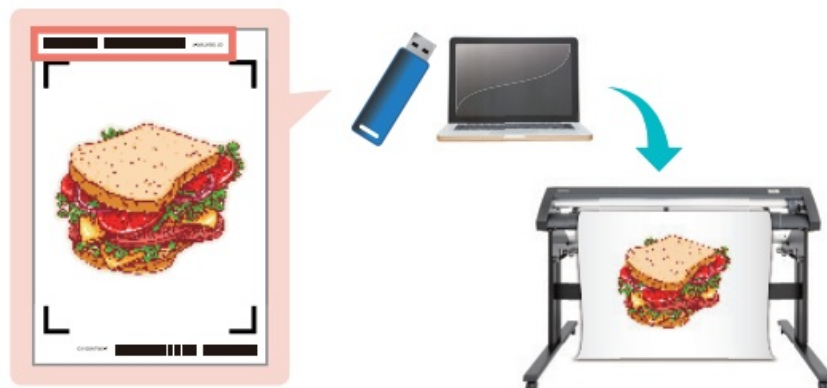

- Can be combined with any printers when creating stickers and lables (Print&Cut).
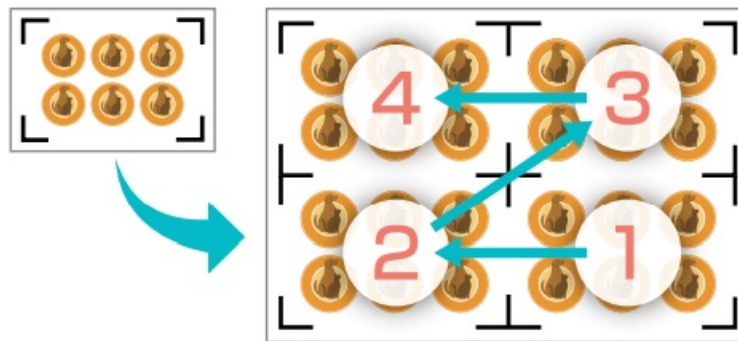
- Multiple-mark compensation (Matrix copy) function supports 0mm margin.

- Cutting data can be placed outside the registration marks and able to make full use of the media.

- Automatic identification of cutting data with the dedicated barcode avoids cutting wrong data.

Software included as standard

Cutting Master 5 (Windows / Mac)
RIP software to send cutting data from Adobe Illustrator / CorelDRAW to the cutting plotter.

- Registration marks setting Objects layout
- Cutting conditions setting etc.

Graphtec Studio 2 (Windows / Mac)
Create, design, edit objects&texts and send data to the cutting plotter.

- Registration marks setting Basic design of bjects&texts
- Objects Layout Cutting conditions setting etc.

Specifications				
Name	CE8000-40	CE8000-60		CE8000-130
Cutter type	Roll feed			
Drive system	Digital servo			
Max. cutting area [W x L]	375mm x 50m	603mm x 50m		1270mm x 50m
Accuracy guaranteed cutting area (W x L) when using basket	355mm x 2m	583mm x 2m (583mm x 5m)		1250mm x 2m (1250mm x 5m)
Mountable media size	Minimum	50mm		85mm
	Maximum	484mm (19inch)	712mm (28inch)	1372mm (54inch)
Mountable roll media weight	5kg	9kg		17kg
Number of push rollers	2			3
Max. cutting speed (45°)	900mm/s			1000mm/s
Max. acceleration	21.2m/s2 (45º)			14.1m/s2
Cutting force	4.41N (450gf)			
Min. font size	Alphanumeric: approx. 5mm (varies depending on font and media)			
Mechanical step size	0.005mm			
Programmable step size	GP-GL: 0.1 / 0.05 / 0.025 / 0.01mm, HP-GL^{TM} : 0.025mm			
Repeatability	Max. 0.1mm in plot up to 2m (Excluding media expansion and contraction)			
Installable number of tools	1			
Blade types	Supersteel			
Pen types	Oil-based ballpoint pen, Water-based fiber-tip pen			
Media types	Max. 0.25mm thickness Marking film (PVC / fluorescent/reflective) *High-intensity reflective sheet is not supported			
Interface	wireless LAN, USB2.0, Ethernet 10BASE-T/100BASE-TX (optional)			

Buffer memory	2MB		
Command sets	GP-GL / HP-GL™ * (Set by command or auto-detect)		
Display	Touch panel (240dot x 128dot)		
Power source	AC100-120V, AC200-240V, 50/60Hz (auto-switchover)		
Power consumption	Max. 140W		
Operating environment	10 – 35℃ , 35 – 75 R.H. (non-condensing)		
Accuracy guaranteed environment	16 – 32℃ , 35 – 70 R.H. (non-condensing)		
External dimensions [W x D x H] including stand	677 x 289 x 266mm	903 x 582 x 1076mm	1644 x 811 x 1076mm
Weight (approx.) including stand	11kg	21kg	40kg
Safety standards	PSE, UL/cUL, CE marking		
EMC standards	VCCI Class A, FCC Class A, CE marking		
Standard included software	Cutting Master 5, Graphtec Studio 2, Windows Driver		

HP-GLTM is a registered trademark of Hewlett-Packard Company.

Options		
Item	Name	Description
Media baskets	PG0111	for CE8000-60
	PG0112	for CE8000-130
Roll media stocker	OPH-A57	for CE8000-60
Carrier sheet table	OPH-A45	for CE8000-40/60

Standard accesories

- AC power cable
- Cutter plunger (PHP33-09N-HS)
- Stand (CE8000-60/130 only)
- Safety guide

- Cutting blade (CB09UB-1P)
- Roll media stocker (CE8000-40 only) Setup manual
- WLAN module set

Item	Name	Description
Cutter plunger	PHP33-CB09N-HS	Cutter plunger for Φ0.9mm x1
	PHP33-CB15N-HS	Cutter plunger for Φ1.5mm x1
Blade	CE09UB-5	Φ0.9mm, 45º, Supersteel (for PVC film)
	CB09UB-K60-5	Φ0.9mm, 60º, Supersteel (for PPF)
	CB15U-5	Φ1.5mm, 45º, Supersteel (for paper, cardboard)
	CB15U-K30-5	Φ1.5mm, 30º, Superstee (for paper, cardboard)
Loupe	PM-CT-001	Blade loupe (for PHP33/PHP35 series)
Fiber-tip pen holder	PHP31-FIBER	x1
Ballpoint pen	KF700-BK	Black x10
	KF700-RD	Red x10
Ballpoint pen holder	PHP34-BALL	x1
Ball point pen refill	KB700-BK	Black x10
Carrier sheet	CR09300-A3	for A3 size x2 *Please use with Cutting media table (OPH-A45).
Cutting mat	PM-CR-013	for CE8000-40 x2
	PM-CR-014	for CE8000-60 x2
	PM-CR-015	for CE8000-130 x2
USB cable	PM-ET-001	Cable length: 2.9m x1

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Items mentioned are subject to change without notice. For more information about product, please check the website or con tact your local repr .esentive.

Important safety instructions

Before using it, please read the user manual and then please use irot properly in accordance with the descrip. tion.
To avoid malfunction or electric shock, please ensure ground connection and use it in specified power source.

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RoHS compliant product

CE

CE8000_JE10994_1D

Documents / Resources

[GRAPHTEC CE8000 Series Cutting Plotter](#) [pdf] Owner's Manual
CE8000 Series Cutting Plotter, CE8000 Series, Cutting Plotter, Plotter

References

- **GRAPHTEC**
- **GRAPHTEC**
- **User Manual**