GRAPHTEC

Improving work efficiency in pattern making

Garment Pattern Cutter
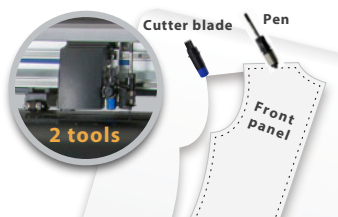
CE7000-130AP

Reliable cutting/plotting quality, Intuitive operation, Easy to use

Front armhole

Front panel

Front side

Front hem

Back armhole

Back panel

Back side

Back hem

Dual tool configuration for cutting and plotting

It holds both a pen and a blade. The pen is for plotting and detailing graded patterns with seams, text, notches, grain direction, etc. The blade is to make the perforated cut of the pattern outline. The tool is automatically switched for cutting and plotting as needed, ensuring a high quality pattern and maximum productivity.

Cutter blade   Pen

2 tools

Front Panel

Enhanced speed when perforation cut

Perforation cutting is performed by controlling the cutting force instead of blade up/down movements, dramatically increasing throughput. The force is controlled by the design software using a new command.

Cuts by controlling the force, much faster!

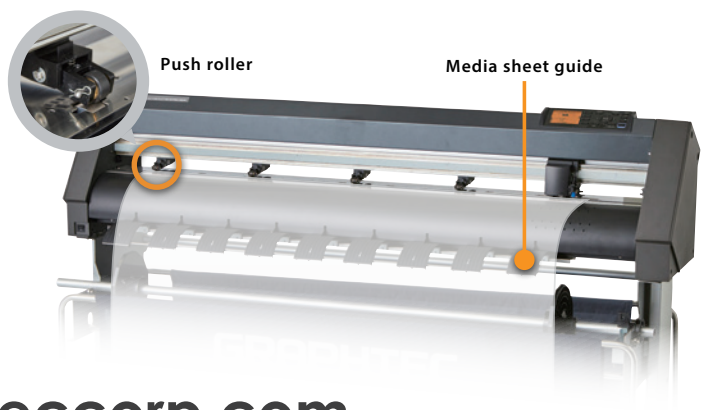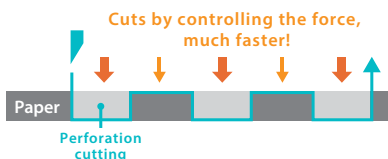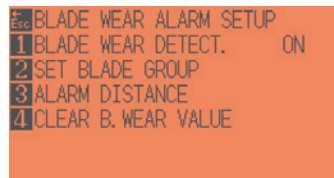Paper

Perforation cutting

Network function

In addition to USB2.0 (High Speed) and Ethernet 10BASE-T/100BASE-TX is included as standard. It enables users to output data from multiple computers, regardless of installation location.

Improved media feeding stability (5 push rollers as standard)

The new design of XY mechanism increased rigidity of the main unit and improved media transportability. Pressure of the 3 middle push rollers can be adjusted in three levels (Strong / Medium / Weak), it helps to prevent media lifting.
(Please refer to the user manual for setting pressure)

Push roller

Media sheet guide

www.graphteccorp.com

Blade / Pen wear level alarm function

Able to measure cutting distance of consumables such as blades and pens, and set conditions for tool replacement.

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BLADE WEAR ALARM SETUP
1 BLADE WEAR DETECT.    ON
2 SET BLADE GROUP
3 ALARM DISTANCE
4 CLEAR B. WEAR VALUE
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Data output via USB flash memory without PC

USB memory reading port enables users to output data via USB flash memory without PC or dedicated software.

* The USB memory format only supports FAT32.
  Please note that NTFS and exFAT are not supported.

Easy output!

Data transfer via USB memory

Designer → Operator

High adaptability to the operating environment

The design of the media feed system ensures that loaded media is acclimated to the ambient temperature and humidity before plotting or cutting. The user-selectable media pre-feed function sets two outer tracks, enhancing media handling. Together, these two media feed elements ensure reliable cutting and plotting quality within the desired operating environment.

New design with ease of use

All operations such as media loading and unloading, and menu settings can be conveniently done from the front of the machine. For added convenience, heavy media can be loaded on the low position of the front media stocker as well. This front-loading configuration also saves valuable production space.

Specifications

Item		CE7000-130AP
Configuration		Grit rolling type
Drive method		Digital servo drive
Max. cutting area (W x L)(*1)		1220mm × 50m
Cutting area of guaranteed accuracy (*1)		1200mm × 3m
Mountable media width (*2)	Min.	594mm
	Max.	1321mm
Mountable roll media inside-diameter		3 inches
Mountable roll media outside-diameter		Max.200mm
Mountable roll media mass		Max.20kg
Number of push rollers		5 rollers
Cutting speed		Max. 600mm/s at all direction
Cutting force		Max. 4.41N (450gf)
Mechanical resolution		0.005mm
Programmable resolution		GP-GL: 0.1/0.05/0.025/0.01mm HP-GL™ (*3): 0.025mm
Repeatability		Max. 0.1 mm in plot up to 2 m (*1)(*4)
Mountable number of tools		2 tool
Pen types		Oil-based ballpoint pen, Water-based fiber-tip pen
Interface		USB 2.0(Full Speed), Ethernet 10BASE-T/100BASE-TX
Buffer memory		2MB
Command sets		GP-GL / HP-GL™ (Set by command) (*3)
Display		Graphic type LCD with back-light (240dots x 128dots), supports 10 languages
Power source		100V to 120V AC, 200V to 240V AC, 50/60 Hz (Auto switch)
Power consumption		100W
Operating environment		10 to 35 ºC, 35 to 75 % R.H. (non-condensing)
Guaranteed accuracy environment		18 to 28 ºC, 40 to 65 % R.H. (non-condensing)
External dimensions (W x D x H)		Approx. 1704 × 1148 × 1215 mm (Including Stand and Basket)
Weight		Approx. 60kg (Including Stand and Basket)
Compatible OS (*5)		Windows 11/10/8.1

*   This is the specialized model for high grade fine paper for apparel use.
*1   Operated with Graphtec specified cutting condition and media.
*2   Mountable media width. The minimum paper width with guaranteed accuracy is the width when the push rollers are placed on 5mm inside of both side of media. Sheet paper (cut paper) is not guaranteed.
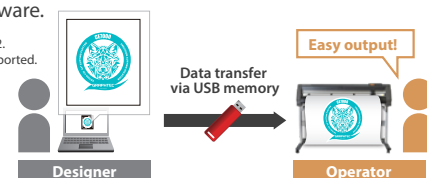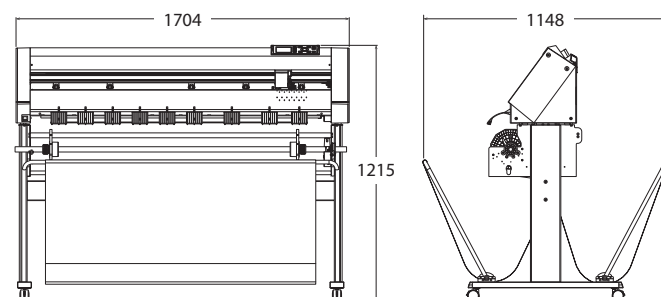*3   HP-GL™ is a registered trademark of Hewlett-Packard Company.
*4   Graphtec specified Mylar film is used to check the accuracy.
*5   Graphtec does not support software/driver used with operating systems that have become obsolete and are no longer supported by the OS developer.

Standard accessories
*Please read Cutter Blade Manual before use.

Item	Description	Q'ty
Power cord	The type of cord is different by destination.	1
USB Cable	2.9m long	1
Cutter Blade Holder	PHP33-CB09N-HS	1
Cutter Blade	CB09UB-1P	1
Loupe	PM-CT-001	1
Stand for CE7000	ST0121, Stand with Basket	1
Ballpoint pen holder	PHP34-BALL	1
Oil-based ballpoint pen	KB700-BK	1
CD-ROM	User manual, Windows driver	1
Printed document	Setup Manual, Cutter Blade Manual and Safety Manual	1

Supplies

Item	Part No.	Description	Package
Cutting blade holder	PHP33-CB09N-HS	For CB09U series blade	1 set/pack
	PHP33-CB15N-HS	For CB15U series blade	1 set/pack
Cutting blade	CB09UB-5	0.9mm dia. 45º angle, Supersteel	5 blades/pack
	CB15U-5	1.5mm dia. 45º angle, Supersteel	5 blades/pack
Fiber-tip pen holder	PHP31-FIBER	Pen holder for KF700 series pen	1 set/pack
Water-based fiber-tip pen	KF700-BK	Pen (black)	10 pens/pack
	KF700-RD	Pen (red)	10 pens/pack
Ballpoint pen holder	PHP34-BALL	Pen holder for KB700 pen	1 set/pack
Oil-based ballpoint pen	KB700-BK	Pen (black)	10 pens/pack
Cutting mat	PM-CR-011	For CE7000-130/-130AP replacement cutting mat	2 sets/pack
High grade fine paper	PR1200-SQ-100-2	1200mm×100m 81.4g/m²	2 rolls/pack

External dimensions (Unit : mm, Tolerance : +/-5mm)

1704 / 1148 / 1215

⚠ Important safety instructions
• Before using it, please read the user manual and then please use it properly in accordance with the description.
• To avoid malfunction or electric shock, please ensure ground connection and use it in specified power source.

eco RoHS compliant product

CE

CE7000-130AP_JE10771_2D