

GRAPHTEC

NEW

CE3000-120AP Garment Pattern Cutter

- The CE3000-120AP is a high-speed plotter/cutter designed specifically as an output device for apparel CAD systems. It handles a wide variety of pattern paper in widths up to a maximum of 1180 mm (when using a 2-inch core), and in a thickness range of from 64 to 130 g/m².
- The floor stand, roll media rack and media basket come standard with the machine to ensure accurate plotting of long markers and precise cutting of pattern layouts. Seven different perforated line types are provided to enable clean, easy separation of the individual pattern pieces after cutting. A cross-cutter function is also provided.
- The pen carriage holds both a plotting pen and a cutter pen at the same time to enable easy switching between plotting and cutting operations. Four sets of user-specified setup parameters are retained in memory for instantaneous recall.
- A static electricity countermeasure is included.

It is easy to handle,
and roll paper can be
set from the front of
the CE3000-120AP.



New CE3000-120AP Cutting Plotter

The CE3000-120AP allows both fiber-tip pens for apparel template marking and cutter blades for cutting to be mounted at the same time for efficient template production with no need to change the pens. The cost has also been reduced compared with previous models, bringing it within the reach of even small firms, further contributing to cost control in the apparel industry.

1. Designed for ease of operation with the front loading of roll media

The design features front loading for easy loading of heavy roll media. The stock roller also incorporates a stopper mechanism to facilitate the loading of even wide rolls.

2. Seven different perforated line types provided for easy template separation

Seven different perforated line types are provided. These can be selected to suit the cut pattern or template used to make them easier to separate after cutting.

3. Compatible with apparel CAD manufacturers' CAD output settings

The plotter is already compatible with the output settings of the major apparel CAD manufacturers' software. This eliminates the need for any complicated settings by the user and enables immediate plotter output.

4. Reliable long-length output

Long-length output accuracy is guaranteed for lengths of up to 3 meters, and a stand, roll media rack, and media basket are provided as standard to ensure the reliable long-length output frequently required in the apparel industry. The plotter can also be used with a wide range of media, from apparel-quality 64 g/m² to 130 g/m², providing peace of mind when templates are produced.

Specifications

Item	CE3000-120AP
CPU	32-bit
Configuration	Grit-rolling
Drive system	Digital servo
Maximum cutting area	1164 mm x 50 m (when the 3-inch core is used)
Maximum guaranteed cutting area	1164 mm x 3 m (when the 3-inch core is used)* ¹
Compatible media widths	160 to 270, 300 to 400, 440 to 540, 580 to 680, 710 to 810, 850 to 950, 990 to 1090, 1120 to 1220 mm (the effective drawing area is the maximum obtainable area for the corresponding medium width)
Compatible maximum media width	3-inch core: 1220 mm 2-inch core: 1180 mm
Maximum loadable media length	100 m/roll
Media types	Fine quality paper for apparel patterns (64 to 130 g/m ²) Roll core diameter: 2-inch, 3-inch
Maximum cutting speed	60 cm/s
Maximum acceleration	13.9 m/s ² (45° direction)
Specifiable cutting speeds	1 to 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 cm/s
Cutting force	20 to 300 gf (31 levels)
Mechanical resolution	0.005 mm
Programmable resolution	GP-GL : 0.1/0.5/0.025/0.01 mm HP-GL™* ² : 0.025 mm
Repeatability precision	Within 0.1 mm/2m* ³
No. of pens mountable	2
Compatible cutter blade type	Supersteel
Compatible pen type	Water-based fiber-tip pens
Interfaces	RS-232C/Centronics/USB
Buffer capacity	2 MB
Command modes	GP-GL, HP-GL™ (control-panel selectable)
Display panel	Liquid crystal (16 characters x 1 row)
Rated power supply	100 to 120 VAC, 200 to 240 VAC, 50/60 Hz
Power consumption	100 VA
Operating environment	10 to 35°C, 35 to 75% RH
Conditions for guaranteed precision	16 to 32°C, 35 to 70% RH
External dimensions (W x D x H)	Approx. 1487 x 1020 x 1189 mm* ⁴
Weight	43 kg* ⁴

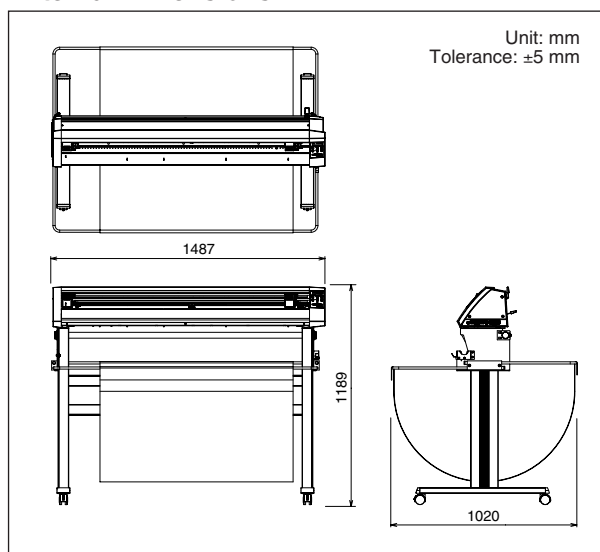
*¹ Depending on the shape of the roll stoppers, the maximum width will be 1140 mm when a 2-inch core is used.

*² HP-GL™ is a registered trademark of Hewlett-Packard Company.

*³ When using Graphtec-specified media and cutting conditions.

*⁴ Includes the stand and basket.

External Dimensions



Option

Designation	Part No.	Description
Loupe	PHP-61LOUPE	Loupe with 6x magnification

Supplies

Designation	Part No.	Description
Fine quality pattern paper	PR950-SQ-100	950 mm x 100 m : Roll media
	PR594-SQ-50	594 mm x 50 m : Roll media
Cutter holder	PHP32-CB09N	1 holder for the 0.9-mm-diameter supersteel blade
	PHP32-CB15N	1 holder for the 1.5-mm-diameter supersteel blade
Cutter blade	CB09UA-5	Set of 5 0.9-mm-diameter supersteel blades
	CB15U-5	Set of 5 1.5-mm-diameter supersteel blades
	CB15UB-5	Set of 5 1.5-mm-diameter supersteel blades for cutting detailed characters
Water-based fiber-tip pen	KF550-F8	1 pen each in red, black, violet, brown, blue, green, orange, and pink
	KF550-S1	2 black pens and 1 pen each in red, blue, and green
	KF551-RD	5 red pens
	KF552-BK	5 black pens
	KF555-BL	5 blue pens
	KF556-GR	5 green pens

* Other sets of water-based fiber-tip pens are also available in single colors (violet, brown, orange, or pink) or intermediate shades.

Specifications are subject to change without notice.

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