

# GRAPHTEC

## CE5000series

### 24" & 48" Engineering Class Cutting Plotters

- Vinyl Graphics
- Banners & Signs
- Paint Masking Film
- Contour Cut Apparel Media & Thermal Image Transfer
- Contour Cut Decals

#### Superior Value + Performance

Fast & Accurate Digital Servo Motors

4-Point, Dual-Axis Skew Correction

Tangential Control enhances precision

ROBO Master Pro with Auto Tracing

Cutting Master 2 software - PC & Mac



#### Auto Registration Mark Detection



## Specifications

Item	CE5000-60	CE5000-120
CPU	32-bit CPU	
Configuration	Microgrit Rollers, moving media	
Drive system	Digital Servo Motor	
Maximum cutting area	23.7 in x 164 ft (603 mm x 50 m)	47.8 in x 164 ft (1213 mm x 50 m)
Assured Accuracy *1	23.0 in x 16.4 ft (584 mm x 5 m)	47.0 in x 16.4 ft (1194 mm x 5 m)
Compatible Media widths	Min: 2 in (50 mm) Max: 28.0 in (712 mm)	Min: 3.3 in (85 mm) Max: 53 in (1346 mm)
Maximum Media thickness	10 mils (0.25 mm)	
Maximum Cutting speed	24 in/s (60 cm/s) in all directions	40 in/s (100 cm/s) @ 45° angles
Cutting Speeds	1-10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 cm/s	1-10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 cm/s
Cutting Force	0.2-2.9N (20 gf to 300 gf) (31 levels)	0.2-4.4N (20 gf to 450 gf) (38 levels)
Minimum character size	Approx. 20 point, 0.196 inches (5 mm) for alphanumeric characters (depends on the medium, font, etc.)	
Mechanical resolution	0.0002 in (0.005 mm)	
Programmable resolution	GP-GL: 0.01, 0.025, 0.05, 0.1 mm HP-GL: 0.025 mm	
Repeatable Precision	0.1 mm or less per 2 m (*1 Using Graphtec recommended media and appropriate cutting conditions.)	
No. of Tools mountable	1 - blade or pen	
Compatible Cutter type	Graphtec SuperSteel blades, 0.9mm and 1.5mm diameter.	
Compatible Pen type	Graphtec Water-based fiber-tip pens	
Compatible Media	Vinyl film, fluorescent, decal, light reflective (except high-luminosity), paint masking, banner, thermal transfer vinyl, flex, flock, image transfer media, vinyl print media, etc.	
Interface	Serial RS-232C / USB 2.0 High Speed	
Data Buffer	2 MB	
Command modes	GP-GL, HP-GL® (selectable in Command menu)	
Display panel	Liquid Crystal Display (16 characters x 1 row)	
Power Supply Input	100 to 240 VAC, 50/60 Hz 1.2A	
Power Consumption	100 VA	
Operating Environment	50 ~ 95°F (10 ~ 35°C) 35 ~ 75% RH (non-condensing)	
Recommended Environment	61 ~ 80°F (16 ~ 32°C) 35 ~ 70% RH (non-condensing)	
Dimensions w/ stand (w x d x h)	33.5 x 23.0 x 39.5 in. (851 x 585 x 1004 mm)	58.5 x 29.3 x 47.0 in. (1487 x 744 x 1194 mm)
Equipment Weight w/ stand	55 lbs (25 kg)	88 lbs (40 kg)
Shipping Weight (approx)	67 lbs (30.5 kg)	100 lbs (45.5 kg)
Warranty	Two Years Parts and Labor. (30 Day Warranty on consumables: blades, pens, teflon cutting mat, etc.)	

## Accessories Included

Specifications are subject to change without notice.

AC power cord	1	3 Wire Grounded, Detachable, 10 ft
USB 2.0 Cable	1	6 ft, A to B
Software Installation CD-ROM	1	Includes Drivers and Controller, User's Manuals (PDF)
Cutting Master 2 supports multiple languages: English, Spanish, Portuguese, French, Italian, German, Russian, Chinese, Korean and Japanese.		ROBO Master Pro design software (Windows 2000/XP, USB Only) Cutting Master 2 Plug-in for Adobe Illustrator and CorelDRAW Windows 98SE/ME/2000/XP: Illustrator 8/9/10/CS/CS2, CorelDRAW 10/11/12/X3 Apple Macintosh: Adobe Illustrator 10/CS/CS2 - Compatible with PowerPC, OS X 10.2 or newer. Intel Core Macs, OS X 10.4 or newer
Quick Start Manual	1	Getting Started, Usage Precautions
Blade Holder	1	PHP32-CB09N-HS
Cutter Blade	1	CB09UA: 0.9mm 45° Blade
Water-based Fiber-tip pen	1	Black
Media Support Bracket	1	Supports up to 50 Yard rolls
Floor Stand kit	1	Assembly required
Media Cut off knife	1	

## Recommended Supplies

## Recommended Options

Designation	Part No.	Description	Designation	Part No.	Description
Blade Holder	PHP32-CB09N-HS	1 holder for 0.9-mm diam. Supersteel Blades	Media Catch Basket	PG0022	CE5000-60 Basket Kit
	PHP32-CB15N-HS	1 holder for 1.5-mm diam. Supersteel Blades		PG0021	CE5000-120 Basket Kit
Graphtec SuperSteel Cutter Blades	CB09UA-5	0.9-mm (5 Pack)			
	CB15U-5	1.5-mm (5 Pack)			
	CB15UB-2	1.5-mm for cutting detailed characters (2 Pack)			
Fiber-tip Pens Water-based	KF550-F8	red, black, violet, brown, blue, green, orange, and pink (1 Each)			
	KF550-S1	Black (2 Pack); Red, Blue, Green (1 Each)			
	KF551-RD	Red (5 Pack)			
	KF552-BK	Black (5 Pack)			
	KF555-BL	Blue (5 Pack)			
	KF556-GR	Green (5 Pack)			
Other colors available		Violet, Brown, Orange, Pink (Singles)			
Loupe	PHP-61LOUPE	6X Magnification Loupe			



763.274.1119 • 877.632.6406

8751 - 162nd Lane NW • Ramsey, MN 55303-3408

\*1 When operated with Graphtec-specified media and conditions.  
Brand names and product names listed here are the trademarks or registered trademarks of their respective owners.  
Specifications are subject to change without notice.

# GRAPHTEC

GRAPHTEC AMERICA, INC.

1251 East Dyer Rd., Ste. 110, Santa Ana, CA 92705

Tel Toll Free: 800.854.8385

Fax: 949.855.0895

Website

<http://www.graphtecamerica.com>

