

CE5000 Series

Engineering Class Cutting Plotters

Superior Value + Performance

GRAPHTEC

GRAPHTEC AMERICA, INC.

Dedicated to the Americas—North, Central & South



Two sizes—48” & 24”

Fast & Accurate Digital Servo Motors
4-Point, Dual-Axis Skew Correction
Tangential Control enhances precision
ROBO Master Pro with Auto Tracing
Cutting Master 2 plug-in software—PC & Mac

- Vinyl Graphics
- Banners & Signs
- Paint Masking Film
- Contour Cut Apparel Media & Heat Transfer
- Contour Cut Pre-Printed Decals/Stickers



Auto Registration Mark Detection

CE5000 Series 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/Vista—USB only) Cutting Master 2 Plug-in for Adobe Illustrator® and CorelDraw® Windows 98-Vista: Adobe Illustrator® 8-CS3; CorelDraw® 10-X3 Apple Macintosh: Adobe Illustrator® 10-CS3; Mac PowerPC, G4, G5, Intel Core—OSX10.2-10.5 Leopard
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			

*1 When operated with Graphtec-specified media and conditions.
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