

Imaging products > Cutter / Plotters

FC4500 Series

Technical Specs & Details

Specifications

Model name	FC4500-50	FC4510-60
Configuration	Digital servo system, Flatbed	
Media hold-down method	Electrostatic adhesion or Adhesive sheet	Adhesive mat or Adhesive sheet
Effective cutting area	590 x 430 mm (23.2 x 16.9 inch)	860 x 600 mm (33.8 x 23.6 inch)
Mountable media	500 mm (19.6 inch) (Y-axis direction)	666 mm (26.2 inch) (Y-axis direction)
Media type	Marking film (vinyl, fluorescent and reflective) Stiff paper/card (for stencils etc.) up to 0.5 mm thick *1 Polystyrene foam sheets up to 0.8 mm thick *2 Sandblast rubber sheets up to 1.0 mm thick *2 Microflute board (F/G grades) Clear sheets for plastic boxes High-intensity reflective film *3	
Maximum cutting speed	750 mm/s (30 inch/s) (1 to 75 cm/s in 23 steps)	
Cutting pressure	Tool 1: Max. 5.88 N (600 gf), in 48 steps Tool 2: Max. 2.94 N (300 gf), in 30 steps	Tool 1, Tool 2: Max. 5.88 N (600 gf), in 48 steps
Minimum character size	approx. 5 mm square (varies with the character font and media)	
Mechanical resolution	0.005 mm (5µm)	
Programmable resolution	GP-GL mode: 0.1/0.05/0.025/0.01 mm, HP-GL™ *4 : 0.025 mm	
Distance accuracy	Max 0.2% of the distance moved or 0.1 mm, whichever is larger *5	
Perpendicularity	Max 0.3 mm / 430 mm	Max 0.4 mm / 610 mm
Repeatability	Max 0.1 mm *5	
Standard interfaces	RS-232C, USB2.0 (Full speed)	
Buffer memory	2 Mbyte	
Command sets	GP-GL and HP-GL™ *4 emulation (selected by menu)	
Number of tools	2 tools	
Cutter blade, pen, and tool types	Cutter blade: supersteel Pens: Water-based fiber-tip pen, oil-based ballpoint pen Creasing/scoring tool	
Others	ARMS (Advanced Registration Mark Sensing System), Reverse-side cutting and creasing with ARMS, Copy function, Creasing function, Repeatedly cut function	
Power supply	100 to 240 VAC, 50/60 Hz (Auto switching)	
Power consumption	Max. 120 VA	
Operating environment	Temperature: +10 to +35 degree C (44 to 95 degree F) , Humidity: 35 to 75% RH (non-condensing)	
Guaranteed accuracy environment	Temperature: +16 to +32 degree C (55 to 90 degree F), Humidity: 35% to 70% RH (non-condensing)	
External dimensions (W x D x H) , Tolerance +/- 5mm	857 x 780 x 200 mm (33.7 x 30.7 x 7.9 inch)	1172 x 962 x 200 mm *6 (46.1 x 37.9 x 7.9 inch)
Weight	approx. 19 kg (42 lbs.)	approx. 27 kg *6 (60 lbs.)
Compatible OS	Windows 2000 / Windows XP / Windows Vista, Macintosh OS10.2-10.5	
Certifications	UL, cUL, CE making, FCC-A, EN55022-A, RoHS	

- *1 The CB15U or CB15U-K30 cutter blade is used.
- *2 The CB15U-K30 cutter blade is used.
- *3 The CB15UA cutter blade is used.
- *4 HP-GL™ is registered trademark of the Hewlett-Packard Corporation of the United States.
- *5 When operated with Graphtec specified media and conditions.
- *6 The stand is not included.

Standard Accessories

	item	Description	Q'ty
FC45000/FC4510 SERIES	Power cable		1 pc
	Cutter plunger	PHP32-CB15N-HS	1 pack
	Cutter Blade	CB15U-2 (2 blades/pack)	1 pack
	Water based fiber-tip pen	KF552-BK, Black (1 pen/pack)	1 pack
	Creasing tool	CP-001, For FC4510-60 only	1 pc
	Adhesive mat	CM-0002 (2 sheets/set), For FC4510-60 only	1 set
	Adhesive sheet	CM-0003 (2 sheets/set)	1 set
	Media positioning plate		2 pcs
	USB CABLE (2.9m)	CBL1112ACL2-2.9M	1 pc
	CD-ROM	User's manual, Windows Driver, Cutting Master 2	1 pc
	Quick Start Guide		1 pc
	Usage Precautions		1 pc

Options

item	Description
ST0032	Stand for FC4510-60
OPS639	D-Cut Master, for FC4500/FC4510