Packaging

POP

Sticker

Sign

Pattern Stencil

Sandblast rubber

Industrial goods

Suitable for prototyping or small production runs in rigid materials

Media hold-down method cor Adhesive Effective cutting area S90 x 430 mm (19, (Y-axis direc Media type Sandblast ru Microflute bc Clear sheets High-intensit Maximum cutting speed 750 mm/s (\$Cutting pressure Food 1: Max. (300 gf Minimum character size approx. 5 mm s Mechanical resolution O.005 mm (Programmable resolution GP-GL modd Distance accuracy Max 0.2% of the Perpendicularity Max 0.3 mm Repeatability Max 0.1 mm Standard interfaces RS-232C, U Suffer memory 2 Meyer Command sets GP-GL and I Number of tools 2 tools Cutter blade, pen,	vo system, Flatbic cadhesion e sheet n (23.2 x 16.9 inch) 9.6 inch) 9.6 inch) 9.6 inch) m (vinyl, fluorescard (for stendis, board (F/G grad board (F/G grad to f f f f f f f f f f f f f f f f f f	Adhesive mat or Adhesive sheet 860 x 600 mm (33.8 x 23.6 inch) 666 mm (26.2 inch) (74-axis direction) yent, and reflective) etc.) up to 0.5 mm thick *2 p to 0.8 mm thick *3 to 1.0 mm thick *3 ess ess 1 *4 75 cm/s in 23 steps) Tool 1, Tool 2: Max. 5,88 N (600 gf), in 48 steps the character font and media) 25/0.01 mm, HP-GL™ *5 : 0	Polystyrene foam sheets Sandblast rubber sheets i Microflute board (F/G grad Clear sheets for plastic bc High-intensity reflective fill 400 mm/s (16 inch/s) (1 ti Tool 1: Max. 4.9N (500 gf Tool 2: Max. 9.8N (1 kgf), approx. 10 mm square (va 0.0025 mm (2.5µm)	scent, and reflective) Ils, etc.) up to 1.0 mm thick up to 1.0 mm thick *3 des) cwses m *4 0 40 cm/second in 40 steps b, in 40 steps	*2	FC2250-120ES Electrostatic adhesion	FC2250-180VC Vacuum suction *1 1740 x 920 mm (68.5 x 36	FC2250-180ES Electrostatic adhesion 3.0 inch						
Media hold-down method cor Adhesive Effective cutting area Mountable media 500 mm (19, (Y-axis direct Polystyrene Sandblast ru Microflute be Clear sheets High-intensit Maximum cutting speed 750 mm/s (600 gr Microflute be Clear sheets High-intensit Maximum cutting speed 750 mm/s (600 gr Microflute be Clear sheets High-intensit Maximum cutting speed 750 mm/s (600 gr Microflute be Clear sheets High-intensit Maximum cutting speed 750 mm/s (600 gr Microflute be Clear sheets Microflute be Clear sheets High-intensit Maximum cutting speed 750 mm/s (600 gr Microflute be Clear sheets Microflute be Clear sheets Microflute be Clear sheets High-intensit Maximum cutting speed 750 mm/s (600 gr Microflute be Clear sheets Microflu	ici adhesion e sheet (132.2 x 16.9 inch) 9.6 inch 9.6 inch 9.6 inch 9.6 inch/s) (1 to x. 5.88 N gf), in 48 steps x. 2.9.4 N gf), in 48 steps x. 2.9.4 N square (varies with (5μm) de: 0.1/0.05/0.00 de: 0.1/0.05/0.00 de: 0.1/0.05/0.00 inch) 9.6 inch 9.6 in	Adhesive mat or Adhesive sheet 860 x 600 mm (33.8 x 23.6 inch) 666 mm (26.2 inch) (74-axis direction) yent, and reflective) etc.) up to 0.5 mm thick *2 p to 0.8 mm thick *3 to 1.0 mm thick *3 ess ess 1 *4 75 cm/s in 23 steps) Tool 1, Tool 2: Max. 5,88 N (600 gf), in 48 steps the character font and media) 25/0.01 mm, HP-GL™ *5 : 0	610 x 920 mm (24.0 x 36.0 inch) 950 mm (37.4 inch) (Yaxis direction) Marking film (vinyl, fluores Stiff paper/card (for stenci Polystyrene foam sheets Sandblast rubber sheets Microflute board (F/G gra Clear sheets for plastic br High-intensity reflective fil 400 mm/s (16 inch/s) (1 t Tool 1: Max. 4.9N (500 gf Tool 2: Max. 9.8N (1 kgf), approx. 10 mm square (va	scent, and reflective) Ils, etc.) up to 1.0 mm thick *3 up to 1.0 mm thick *3 des) xxes Im *4 40 cm/second in 40 steps), in 40 steps in 40 steps in 40 steps	6.0 inch)	Electrostatic adhesion								
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Perpendicularity Max 0.3 mm Repeatability Max 0.1 mm Standard interfaces RS-232C, U Buffer memory 2 Mbyte Command sets GP-GL and I Number of tools 2 tools Cutter blade, pen, Cutter blade	the distance moved		GP-GL mode: 0.1/0.05/0.025/0.01 mm, HP-GL™ *5: 0.025 mm											
Repeatability Max 0.1 mm Standard interfaces RS-232C, U Buffer memory 2 Mbyte Command sets GP-GL and I Number of tools 2 tools Cutter blade, pen, Cutter blade		Max 0.2% of the distance moved or 0.1 mm, whichever is lager *6 Max. 0.1% of the distance moved or 0.1 mm, whichever is lager *6												
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Buffer memory 2 Mbyte Command sets GP-GL and I Number of tools 2 tools Cutter blade, pen, Cutter blade	Max 0.1 mm *6													
Command sets GP-GL and I Number of tools 2 tools Cutter blade, pen, Cutter blade	RS-232C, USB2.0 (Full speed)													
Number of tools 2 tools Cutter blade, pen, Cutter blade														
Cutter blade, pen, Cutter blade	GP-GL and HP-GL™ *5 emulation (selected by menu)													
	2 tools													
	Cutter blade: supersteel Pens: Water-based fiber-tip pen, oil-based ballpoint pen Pensing song tool Creasing/sconing tool Creasing/sconing tool													
Others ARMS (Adva	vanced Registra	tion Mark Sensing System)), Reverse-side cutting and	creasing with ARMS, Copy	function, Creasing function	n, Repeatedly cut function								
Power supply 100 to 240 V	100 to 240 VAC, 50/60 Hz (Auto switching)													
Power consumption Max. 120 VA	Max. 120 VA													
Operating environment Temperature	Temperature: +10 to +35 degree C (44 to 95 degree F), Humidity: 35 to 75% RH (non-condensing)													
Guaranteed accuracy environment Temperature	re: +16 to +32 d	egree C (55 to 90 degree F), Humidity: 35% to 70% RI	H (non-condensing)										
	x 200 mm *9 7 x 7.9 inch)	1172 x 962 x 200 mm *9 (46.1 x 37.9 x 7.9 inch)	920 x 1285 x 857mm *10		0		2068 x 1285 x 944 mm *10 (81.4 x 50.6 x 37.2 inch)							
_		_	*11	*11	1568 x 987 x 1687 mm * (61.7 x 38.9 x 66.4 inch)	12	*11	2068 x 987 x 1687 mm * (81.4 x 38.9 x 66.4 inch)						
Weight approx. 19 k	kg (42 lbs.)	approx. 27 kg *9 (60 lbs.)	approx. 58 kg *9*13 (128 lbs.)	approx. 69 kg *9*13 (152	bs.)		approx. 74 kg *9*13 (163 li	os.)						
Compatible OS Windows 20	Windows 2000 / Windows XP / Windows Vista. Macintosh OS10,2-10.5						1							
Certifications UL *14, cUL *	2000 / Windows			UL *14, CUL *14, CE making, FCC-A, EN55022-A, RoHS										

- *1 A vacuum pump is not provided with VC model
- *2 The CB15U or CB15U-K30 cutter blade is used. *3 The CB15U-K30 cutter blade is used.

Standard accessories

- *4 The CB15UA cutter blade is used.
 *5 HP-GL™ is registered trademark of the Hewlett-Packard Corporation of the United States.
- *6 When operated with Graphtec specified media and conditions.
- *8 Tolerance: +/- 5 mm

Supply

- *9 The stand is not included.
- *10 The stand is included. The table is set in level.
- *11 The table cannot be tilted. *12 The table is tilted in 60 degree.
- *13 A vacuum pump is not included. *14 FC2250-120MG is excluded.

7	Disposable ink	pens cannot	be used with the	e Tool 2 (high-pressur	e) in FC2250 series.

	item	Description	Q'ty	
FC4500/	Power cable		1 pc	
FC4510 SERIES	Cutter plunger	PHP32-CB15N-HS	1 pc	
SENIES	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)		
	Media positioning plate			
	USB CABLE (2.9 m)	CBL1112ACL2-2.9M	1 pc	
	CD-ROM	User's manual, Windows Driver, Cutting Master 2		
	Quick Start Guide		1 pc	
	Usage Precautions		1 pc	
FC2250	Power cable		1 pc	
SERIES	Cutter plunger	PHP31-CB15B-HS	1 pc	
	Cutter Blade	CB15U-SP (2 blades), CB15U-K30-SP (5 blades)	1 set	
	Water based fiber-tip pen	KF552-BK, Black (1 pen/pack)	1 pack	
	Sheet holder plates	For MG models only (2 long, 2 medium, 4 short)	1 set	
	Hexagon key wrench	For M4 cap screw		
	Height adjustment plates	10 mm, 4 mm hight	1 each	
	Durable flexible hose	For VC models only, 1.5 to 5 m (can extend/contract) Conection bore diameter: 38mm (for 60), 50mm (for 120/180)		
	Hose clamp	For VC models only, 38mm (for 60), 50mm (for 120/180)	2 pcs	
	Vacuum pump mounting base	For VC models only	1 pc	
	USB cable (2.9 m)	CBL1112-2.9M	1 pc	
	CD-ROM	User's manual, Windows driver, Cutting Master 2, D-Cut Master	1 pc	

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

item	Model	FC4500/ FC4510	FC2250 series	Contents	Q'ty
Cutter plunger	PHP32-CB09N-HS	0	0	Plunger used with 0.9mm diameter cutter blades (CB09UA)	1 pc/pack
	PHP32-CB15N-HS	0	0	Plunger used with 1.5mm diameter cutter blades, built in spring (CB15U, CB15UA, CB15UB, CB15U-K30, CB15UA-K30)	1 pc/pack
	PHP31-CB09-HS		0	Plunger used with 0.9mm diameter cutter blades (CB09UA)	1 pc/pack
	PHP31-CB15-HS	0	0	Plunger used with 1.5mm diameter cutter blades, comes with one tube of grease (CB15U, CB15UA, CB15UB, CB15U-K30, CB15UA-K30)	1 pc/pack
	PHP31-CB15B-HS	0	0	Plunger used with 1.5mm diameter cutter blades (CB15U-SP,CB15U-K30-SP, CB15U-K20-SP)	1 pc/pack
	PHP34-CB30-HS		0	Plunger used with 3.0mm diameter cutter blade (CB30UC)	1 pc/pack
Cutter blade	CB09UA-5	0	0	0.9mm diameter, supersteel blade, 45 degree, comes with a spring, for cutting general film (up to 0.25mm thick)	5 blades/pack
	CB15U-5	0	0	1.5mm diameter, supersteel blade, 45 degree, for cutting slightly thick film (up to 0.5mm thick)	5 blades/pack
	CB15U-5SP	0	0	1.5mm diameter, supersteel blade, 45 degree, comes with spring, for cutting slightly thick film (up to 0.5mm thick)	5 blades/pack
	CB15U-K30-5	0	0	1.5mm diameter, supersteel blade, 30 degree, for cutting thick materials (up to 1.5mm thick)	5 blades/pack
	CB15U-K30-5SP	0	0	1.5mm diameter, supersteel blade, 30 degree, comes with a spring, for cutting thick materials (up to 1.5mm thick)	5 blades/pack
	CB15U-K20-2SP	0	0	1.5mm diameter, supersteel blade, 20 degree, comes with a spring, for cutting sandblast rubber (up to 1.0 mm)	2 blades/pack
	CB15UA-5	0	0	Somm diameter, supersteel blade, 45 degree, for cutting High-intensity reflective film	5 blades/pack
	CB15UA-K30-5	0	0	5mm diameter, supersteel blade, 30 degree, for cutting High-intensity reflective film	5 blades/pack
	CB15UB-2	0	0	1.5mm diameter, supersteel blade, 45 degree, for cutting small letter	2 blades/pack
	CB30UC-1		0	3.0mm diameter, supersteel blade, 45 degree, for cutting thick materials	1 blade/pack
Loupe	CLP-0001	0	0	Loope	1 pc/pack
Creasing tool	CP-001	0	0	For cardboard (pen type)	1 pc/pack
	CP-002		0	For cardboard (roller type)	1 pc/pack
	CP-003		0	For corruganted cardboard (roller type)	1 pc/pack
Ba l lpoint pen P l unger	PHP31-BALL	0	0	Plunger for oil based ballpoint pen (KB140 series)	2 pcs/pack
Oil based	KB140-S1	0	0	Refill for ballpoint pen set (Black x 2, Red 1, Blue x 1, and Green x1)	5 pens/pack
ba ll point pen	KB141-RD	0	0	Refill for ballpoint pen, Red	5 pens/pack
	KB142-BK	0	0	Refill for ballpoint pen, Black	5 pens/pack
	KB145-BL		0	Refill for ballpoint pen, Blue	5 pens/pack
	KB146-GR	0	0	Refill for ballpoint pen, Green	5 pens/pack
Water-based	KF550-S1	0	0	Multiple color set (Black x 2, Red x 1, Blue x 1, and Green x 1)	5 pens/pack
fiber-tip pen	KF551-RD	0	0	Red	5 pens/pack
	KF552-BK	0	0	Black	5 pens/pack
	KF555-BL	0	0	Blue	5 pens/pack
	KF556-GR	0	0	Green	5 pens/pack

GRAPHTEC

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