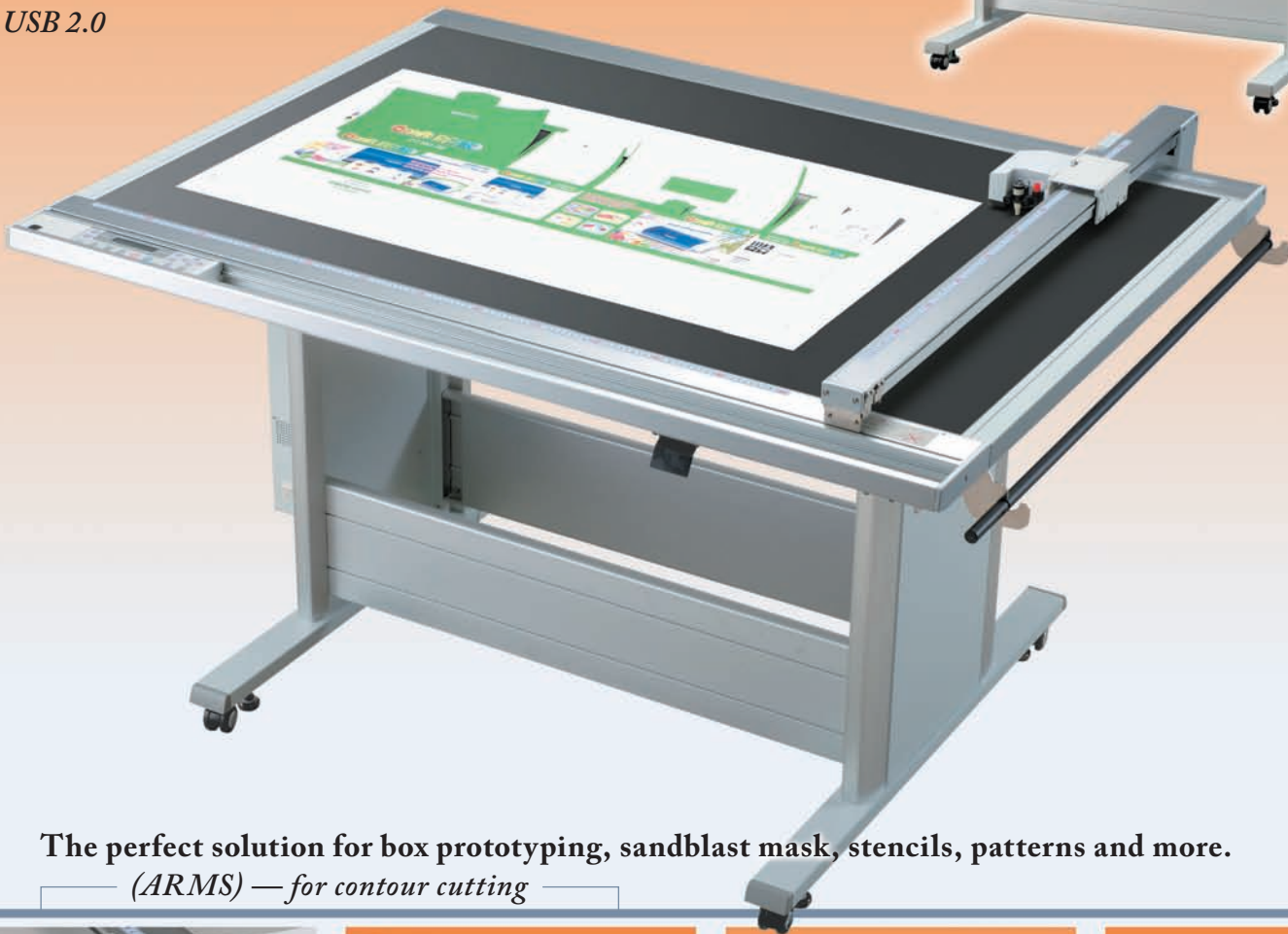


# Flatbed Cutting Plotter FC2250 Series

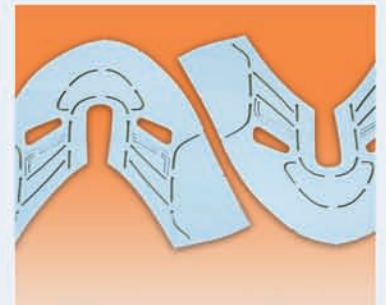
*Advanced Flatbed Cutting Plotter Technology:  
For Cutting, Creasing & Scoring Applications*

**GRAPHTEC**  
GRAPHTEC AMERICA, INC.  
Dedicated to the Americas—North, Central & South

- Includes Graphtec's ARMS (Automatic Registration Mark Sensor) System — for Contour Cutting
- Includes Graphtec's Cutting Master 2 Plug-in software to Adobe Illustrator® & CorelDraw®
- New Tool Lineup supports cutting of thick media & corrugated cardboards (E Flute)
- 3 Sizes — 5 Configurations for different hold-down methods
- Max high pressure of 1kg for cutting of thicker materials
- Lift Kit option available for plotting on die board
- Achieves the best-in-class cost performance
- USB 2.0



**The perfect solution for box prototyping, sandblast mask, stencils, patterns and more.**  
*(ARMS) — for contour cutting*



## Specifications

Model name	- 60VC	- 120VC	- 120ES	- 180VC	- 180ES
Configuration	Digital servo, Flatbed				
Media hold-down method	VC	VC	ES	VC	ES
	VC model : Vacuum suction *1, ES model : Electrostatic adhesion				
Effective cutting area	24.0 x 36.0 inch 610 x 920 mm	47.2 x 36.0 inch 1200 x 920 mm		68.5 x 36.0 inch 1740 x 920 mm	
Maximum medium width	43.3 inch Y-axis direction (1010 mm)				
Number of pens / cutters	2				
Maximum cutting speed	16 inch/s (400 mm/s) (40-step range)				
Cutting force	Pen 1: Max. 4.9N(500 gf), 40-step range (1 to 40), Pen 2 : Max. 9.8N(1 kgf), 40-step range (2 to 80)				
Minimum character size	About 10 mm square (varies with the character font and media)				
Mechanical resolution	0.0025 mm				
Programmable resolution	GP-GL mode: 0.1/0.05/0.025/0.01 mm, HP-GL™ *3 : 0.025 mm				
Cutter and pen types	Cutter blades : Supersteel, Pens : Water-based fibertip, oil-based ballpoint, disposable ink *4				
Cutting media	Marking film (vinyl, fluorescent, reflective), Stiff paper/card up to 0.5 mm thick, Sandblast (Rubber Resist), High-intensity reflective film, Polystyrene foam sheets				
Interfaces	RS-232C, USB 2.0 (full speed) ; auto-switching				
Command sets	GP-GL and HP-GL™ *3 emulation				
Buffer memory	2 Mbyte				
Distance accuracy	Within 4/1000", or 0.1% of the distance moved, whichever is greater. (plotter mode)				
Repeatability	Within 4/1000"				
Perpendicularity	Within 17/1000" of the distance moved, (plotter mode)				
Power supply	100 to 120 VAC, 50/60 Hz; 220 to 240 VAC, 50/60 Hz				
Power consumption	100 W or less				
Operating environment	Temperature: +10 to +35 deg.C, Humidity: 35% to 75% RH (non-condensing)				
Guaranteed precision	Temperature: +16 to +32 deg.C, Humidity: 35% to 70% RH (non-condensing)				
External dimensions (level)	33.8 x 36.0 x 50.6 in.	37.1 x 61.7 x 50.6 in.		37.1 x 81.4 x 50.6 in.	
(H x W x D)	857 x 920 x 1285mm	944 x 1568 x 1285 mm		944 x 2068 x 1285mm	
60degree inclination*2	-	66.4 x 61.7 x 39.0 in.		66.4 x 81.4 x 39.0 in.	
	-	1687 x 1568 x 987 mm		1687 x 2068 x 987 mm	
Weight (including stand)	128 lbs. approx. 58 kg	152 lbs. approx. 69 kg		163 lbs. approx. 74 kg	

\*1 A vacuum pump is not provided with VC models.

\*2 The writing panel on VC models cannot be tilted.

\*3 HP-GL™ is a registered trademark of the Hewlett-Packard Corporation of the United States.

\*4 Disposable ink pens cannot be used with the high-force pen.

## Standard Accessories

Item	Description	Q'ty
Power cable		1
Blade set	PPA31-CB15B-HS (1 Blade holder), CB15U-2SP (2 Blades), CB15U-K30-5SP (5 Blades)	
Water based fiber-tip pen	KF552-BK	1
Sheet holder plates	For MG models only (2 large, 2 medium, 4 small)	1 set
Hexagon wrench	For M4 bolts	1
Height adjustment plates	4 mm Head Clearance Height	1 of each
Durable flexible hose	For VC models only, 1.5 to 5 m (can expand/contract) Connection bore diameter: 38 mm (-60), 50 mm (-120/180)	1
Hose clamp	For VC models only, (Q'ty 1) 38 mm hose (-60), (Q'ty 2) 50 mm hose (-120/180)	
Vacuum pump installation base	For VC models only	1
USB cable (2.9m)	CBL1112-2.9M	1
CD-ROM	User's manual, Windows Driver, Cutting Master 2 plug-in (Windows & Mac)	1

## Optional Accessories

Item	Model	Contents	Q'ty
Blade Holder	PHP32-CB09-HS	Used with 0.9-mm diameter cutter blades (CB09UA-5)	1
	PHP32-CB15-HS	Used with 1.5-mm diameter cutter blades, comes with one tube of grease <sup>1</sup>	1
	PHP31-CB15B-HS	Used with 1.5-mm diameter cutter blades (CB15U-5SP, CB15U-K30-5SP)	1
	PHP34-CB30-HS	Used with CB30UC-1 cutter blade for thick media	1
Creasing/ Scoring tool	CP-001	For paper & chip board scoring (Plunger)	1
	CP-002	For card board (Wheel)	1
	CP-003	For corrugated board (Wheel)	1
Cutter blade	CB09UA-5	0.9 mm diameter, supersteel blade, comes with a spring, for cutting general film	5 blades/pack
	CB15U-5	1.5 mm diameter, supersteel blade, for cutting slightly thick film (45°)	5 blades/pack
	CB15U-5SP	1.5 mm diameter, supersteel blade, comes with a spring (45°)	5 blades/pack
	CB15U-K30-5	1.5 mm diameter, supersteel blade, for cutting thick materials (60°)	5 blades/pack
	CB15U-K30-5SP	1.5 mm diameter, supersteel blade, comes with a spring (60°)	5 blades/pack
	CB15UA-2	1.5 mm diameter, high-intensity 45° blade	2 blades/pack
	CB15UA-K30-2	1.5 mm diameter, supersteel blade, for cutting high-intensity reflective (60°)	2 blades/pack
	CB30UC-1	3.0 mm diameter, supersteel blade, for cutting thick materials	1 blade/pack
Water-based fibertip pen	KF550-F8	1 pen each in red, black, violet, brown, blue, green, orange and pink	8 pens/pack
	KF550-S1	2 black pens and 1 pen each in red, blue and green	5 pens/pack
	KF551-RD	5 red pens	5 pens/pack
	KF552-BK	5 black pens	5 pens/pack
	KF555-BL	5 blue pens	5 pens/pack
	KF556-GR	5 green pens	5 pens/pack

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## Optional Accessories

The new tool lineup supports the cutting of thick paper and corrugated cardboard from micro-flute through E-flute.



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