

GRAPHTEC

FC2240 series

Large Format Flatbed Cutting Plotters



Features

Dual Head Design - Holds two tools

1000/500 grams Cutting Force

3 Media Hold down methods:

Electrostatic, Vacuum or Magnetic

Use in Horizontal/Inclined Position

D-Cut Software imports DXF Data

Adobe Illustrator Plug-in Included

Applications

Garment Pattern Cutting & Marking

Shoe Pattern Cutting & Marking

Package Design Prototyping

Monument & Stone Sandblast Mask

Industrial Films for Electronics

Reflective Highway and Road Signs

Offset Printing Blanket cutting

Architectural Model Building



Support bracket for heavy roll media like sandblast mask rubber



Dual Heads with 1000gf & 500gf force
Use Blades, Creaser, or Pens



LCD Status Display and soft key control panel for easy access to condition settings

FC2240 Series Specifications

	I20MG	I20ES	I20VC	I80ES	I80VC
Configuration	Flatbed with three media hold down methods available. Digital servo motors				
Number of Pens/Cutters	2				
Maximum cutting area	47.2 x 36.0 in			68.5 x 36.0 in.	
Media hold-down method	MG	Electrostatic	Vacuum* ¹	Electrostatic	Vacuum* ¹
	MG model: Magnetic; ES model: Electrostatic adhesion; VC model: Vacuum suction * ¹				
Maximum cutting speed	16 ips (40 step range)				
Cutting pressure	First pen: 1000 gf max., 40-step range (2-80, even numbers only) Second pen: 500 gf max., 40-step range (1-40)				
Minimum character size	Approx. 0.4 in. (depends on the character font and cutting media)				
Mechanical resolution	2540 pt./in. (0.0001 in.)				
Programmable resolution	GP-GL: 0.004, 0.002, 0.001, 0.0004 in.; HP-GL™: 0.001 in.				
Repeatability	Within 0.004 in. (both plotter and cutting modes)				
Perpendicularity	Within 0.02/ 35.4 in. (plotter mode)				
Distance accuracy	Within ±0.1% (plotter mode)				
Tools	Blades: Graphtec Supersteel 0.9mm, 1.5mm. Ceramic 1.5mm, 1.5mm Creasing Tool, Pens: Fiber-tip pen (water-based). Sharpie® Pen Adapter. Crosshair Loupes, Blade Extension Loupe				
Media types	Reflective Vinyl (self-adhesive, fluorescent, high intensity), paperboard, chipboard, micro-flute, compressed foam sheets up to 0.03 in. thick, sandblast rubber up to 0.04 in. thick, specialty industrial films and adhesive tapes, etc.				
Interfaces	USB 2.0 High Speed, RS-232C Serial, Parallel (automatic selection)				
Buffer capacity	2MB				
Command sets	GP-GL and HP-GL™ emulation (control panel selectable)				
LCD display	20 characters x 2 rows				
Power requirements	100 to 120 VAC, 50/60 Hz, 1.2 A max.; 220 to 240 VAC, 50/60 Hz, 0.7 A max.				
Operating environment	41° to 104°F, 35 to 75% RH (non-condensing)				
Guaranteed accuracy	61° to 90°F, 35 to 75% RH (non-condensing)				
External dimensions (H x W x D)	33.8 x 36.0 x 50.6 in. (Level)	37.1 x 61.7 x 50.6 in. (Level) 66.4 x 61.7 x 39.0 in. (60-degree inclination)* ¹		37.1 x 81.4 x 50.6 in. (Level) 66.4 x 81.4 x 39.0 in. (60-degree inclination)* ¹	
Weight (approximate)	128 lbs.	152 lbs.		163 lbs.	
Certifications	CE mark, VCCI				

*¹ VC models operate in horizontal position only. Specifications are subject to change without notice. Brand names and product names listed are the trademarks or registered trademarks of their respective owners.

GRAPHTEC GRAPHTEC AMERICA, INC.

Dedicated to the Americas – North, Central & South

Graphtec America, Inc
1251 East Dyer Road Suite 110
Santa Ana CA 92705 USA
Toll Free (800) 854-8385 • Tel (949) 770-6010 • Fax (949) 855-0895
cp.sales@graphtecamerica.com • www.graphtecamerica.com