

NEW

GRAPHTEC

FC4200 Series

A New Generation of Flatbed Cutting Plotters

Sandblasted sign templates



A1-size FC4200-60

CAD shoe patterns



A2-size FC4200-50

Stencils



Contour cutting of printed decals



- 600 gf cutting force makes easy work of thick, hard materials**
 - Sandblast rubber for masonry and sign templates
 - Thick, stiff card for shoe-making CAD applications
 - Stencil card for spraypainting labels on oil drums
- Flatbed configuration cuts media that you can't use with a grit-rolling cutting plotter**
 - Media that doesn't have a backing sheet
 - Stiff, rigid card that cannot be bent
 - Thick sandblast rubber
 - Short lengths of vinyl, card, or rubber

- Pen carriage holds a plotting pen as well as a cutter**
The pen carriage holds a plotting pen as well as a cutter so that you can draw a test plot prior to cutting without the need to exchange pens.
- Auto sensing of printed registration marks**
The registration marks on a sheet of decals or labels printed on an inkjet or other printer are automatically sensed for easy contour cutting round each outline.

Specifications

Model	FC4200-50	FC4200-60
Configuration	Flatbed	
Drive	Digital servo system	
Maximum loadable film width	500 mm	666 mm
Medium hold-down surface	Electrostatic adhesion sheet	Polyvinyl sheet
Maximum cutting speed	650 mm/second	
Settable cutting speeds	1 to 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65 cm/s	
Cutting force	10 to 600 gf	
Minimum character size	5 mm ² (alphanumeric characters, but depends on material and font selected)	
Mechanical resolution	0.005 mm	
Programmable resolution	GP-GL: 0.1, 0.05, 0.025, 0.01 mm; HP-GL™*1 : 0.025 mm	
Repeatability	Within 0.1 mm*2	
Distance accuracy	Within ±0.2% of the distance moved or ±0.1 mm, whichever is greater*2	
Perpendicularity	Within 0.3 mm/430 mm	Within 0.4 mm/610 mm
Registration mark reading accuracy	Within 0.3 mm*3	
Number of cutters/pens	Two (one cutter and one pen)	
Cutter and pen types	Cutter blade: supersteel Pens: Water-based ballpoint, oil-based ballpoint	
Media types	Marking film (self-adhesive, fluorescent, and reflective vinyl) Stiff paper/card (for stencils, etc.) up to 0.5 mm thick*4 Compressed foam sheets up to 0.8 mm thick*5 Sandblast rubber up to 1.5 mm thick*5 High-intensity reflective film*6	
Interfaces	RS-232C serial and Centronics parallel (auto interface recognition)	
Buffer capacity	2 MB	
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; 220 to 240 VAC, 50 Hz (specify when ordering)	
Power consumption	Within 120 VA	
Operating environment	+10 to +35°C, 35 to 75% RH (non-condensing)	
External dimensions (mm), approx.	857 (W) x 780 (D) x 200 (H)	1172 (W) x 964 (D) x 200 (H) *7
Weight (approx.)	19 kg	26 kg*7

*1 HP-GL is a trademark of Hewlett-Packard Company

*2 When using Graphtec-specified media and conditions

*3 When plotting the built-in test pattern using a water-based ballpoint pen on plain paper

*4 Use the CB15U or CB15U-K30 blade

*5 Use the CB15U-K30 blade

*6 Use the CB15UA blade

*7 Optional stand not included

Standard accessories

Power cable	1
Cutter holder (PHP32-CB15N)	1
Cutter blades (CB15U, 2 blades per pack)	1 pack
Water-based ballpoint pens, one pack of five pens (KB540-S1)	1 pack
Media positioning stickers	1 sheet
User's manual (FC4200-UM-151)	1
Windows driver (OPS628)	1

Option

ST0032	Stand for FC4200-60
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Specifications are subject to change without notice.

GRAPHTEC CORPORATION

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