

# FC8000 Series

## High-Performance Roll-Feed Cutting Plotter

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

**new** 3" User Friendly LCD Control Panel



• **5 Sizes available – from 24" to 64"**

FC8000-60 (24"), FC8000-75 (30"), FC8000-100 (42"),  
 FC8000-130 (54"), FC8000-160 (64")

**new** Cutting Plotter Controller Software Utility

Control functions of the FC8000 from your computer  
 Obtain cutter settings and make adjustments remotely  
 Tool conditions and information can be saved and shared with other users

**new** Next Generation ARMS (Auto Registration Mark Sensor) System

Sensitivity adjustment for registration mark detection on various media and colors  
 Optical sensor for auto alignment

**new** Three Step Push-Roller Pressure Settings

Strong (ie: sandblast mask, high-intensity reflective)  
 Medium (ie: vinyl)  
 Light (ie: window tint film) \*standard with FC8000-100, -130 & -160

• **USB 2.0, RS-232 Serial and new Optional Ethernet Interface**

Ethernet Interface allows for one PC to run multiple FC8000s

**new** Dual Configuration Function

Two different users can set & save independent settings for customized jobs on a single FC8000 machine

FC8000 Series cuts it all: vinyls, window tint, high-intensity reflective...and much more!

Perf-Cutting



Contour Cut



Paint Protection



Sandblast Mask



Public & Transit Signs

# FC8000 Series Specifications

	FC8000-60	FC8000-75	FC8000-100	FC8000-130	FC8000-160
Configuration	Digital Servo Friction feed with MicroGritroll™ drive				
Maximum cutting area	24 in x 164 ft (610 mm x 50 m)	30 in x 164 ft (762 mm x 50 m)	42.0 in x 164 ft (1067 mm x 50 m)	54.0 in x 164 ft (1372 mm x 50 m)	64.0 in x 164 ft (1626 mm x 50 m)
Compatible media width	2.0 in to 30.3 in (50 mm to 770 mm)	2.0 in to 36.2 in (50 mm to 920 mm)	2.0 in to 48.2 in (50 mm to 1224 mm)	2.0 in to 60.2 in (50 mm to 1529 mm)	2.0 in to 72.5 in (50 mm to 1850 mm)
Maximum auto cross cutting width	28.7 in	35.5 in	47.5 in	59.5 in	69.5 in
Standard push rollers included	2	2	3	3	4
Auto sheet cutter maximum thickness	11 mil including release liner				
Maximum media cutting thickness	59.1 mil				
Maximum cutting speed	58.5 in/s (1485 mm/s) diagonal				
Maximum acceleration	4.0 G (39.2 m/s²) 5.7 diagonal				
Programmable cutting force	20 g to 600 g (0.2 N to 5.88 N) in 48 steps				
Mechanical resolution	0.0002 in (0.005 mm); Minimum Character Size*2 0.125in alphanumeric Helvetica Medium Font				
Programmable resolution	GP-GL™: .1/05/.025/.01mm, HP-GL®: 0.001 in (0.025 mm); GPGL: 254, 508, 1016, 2540; HPGL1016				
Repeatability*1	0.0039 in / 80 in (0.1 mm / 2 m) travel or better				
Tools	Accepts one tool at a time: cutting blade, plotting pen, pouncing tool, second penholder (optional)				
Blade types	Tungsten Carbide (0.9 mm or 1.5 mm)				
Pen types	Water-based fiber tip, oil-based ballpoint, light pointer (for proofing)				
Media types	Self-adhesive vinyl film, diamond grade, fluorescent film, reflective film, Amberlith™, Rubylith™, sandblast resist rubber, high-intensity reflective film, window tint film, paint protection film, etc.				
Perforated line cutting	Standard				
Interfaces	RS-232C serial, USB2.0 (USB 1.1 compatible), Ethernet 10Base-T/100Base E-TX (optional)				
Data buffer	2 MB				
Command set	GP-GL™ / HP-GL® (auto selecting)				
Control panel display	3" Graphic LCD with comprehensive icon-corresponding soft keys				
Languages	English, Spanish, Portuguese, Japanese, German, French, Italian				
Registration and axis alignment	Standard Registration Mark Sensor for automated contour/die-cutting of pre-printed images				
Media supply mechanism	Brake system assist for enhanced media alignment; Media Guide lines				
Media pre-feed	Standard built-in SmartFeed™ function automatically unwinds and pre-feeds media for an operator-specified distance upon self-recognition of plot file length				
Power requirement	100-240 VAC, 50/60 Hz; auto switching, 120 VA max.				
Certifications	CE mark, FCC, VCCI, cUL, UL, RoHS				
Media catch basket, Media bracket	Included				
Standard software included	Cutting Master2™ plug-in software to CorelDraw® and Adobe Illustrator® (Windows® and Mac® compatible), Cutting Plotter Controller software (Windows® only)				
Standard accessories included	(1) PHP 32-CB09NHS Blade Holder; (1) CB09UA-1 Blade; (1) KF550 Black (water-based fiber tip pen)				
Options	Add'l media racks; Extra push rollers (machine dependent); Second pen holder				
Warranty	3 Year Parts & Labor				
Floor stand shipping weight & dimension	Included. Floor stand ships in separate box: 34.6"x10.2"x8.9"; 22 lbs				
Unit shipping weight & dimension	83.8 lbs 52.3"x17.8"x24.1"	92.6 lbs 58.2"x17.8"x24.1"	110.2 lbs 70"x17.8"x24.1"	127.9 lbs 81.8"x17.8"x24.1"	138.8 lbs 92"x17.8"x24.1"

**Graphtec Recommended Media List For FC8000 50ft Tracking** \*2: 3M—Scotchcal Series 7125, 7725 Synthetic Back, Controltac Series 180C. Arlon— Series 2100-2200, Series 4500, Series 2500 Translucent. Oracal—651 Series. Kapco—PSA 3.5 mil Premium Gloss White Vinyl. LG—VizuonCal 6000 Series, 4000 Series. IKC—ECAL Tent #101, ET-100, New Lumical Color N-9113. Toyo—DC1020. Shinseisya—Hello 3 CAL (Japanese).

\*1 When operated with Graphtec-specified media and conditions.

\*2 Brand names and product names listed here are the trademarks or registered trademarks of their respective owners. Specifications are subject to change without notice.



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Distributor of Large Format Scanning & Printing Solutions  
[www.SCANtopia.com](http://www.SCANtopia.com)

1590 Metro Drive, Suite 116, Costa Mesa, CA 92626  
Tel. 888.221.SCAN(7226) or 714.432.7226 in Canada  
Email: [info@paradigmimaging.com](mailto:info@paradigmimaging.com)  
[www.SCANtopia.com](http://www.SCANtopia.com)

