

GRAPHTEC

NEW

High-Performance FCC9000 Series

75/100/140/160



Re-engineered for greatness

A re-engineered feeding system, tool head, and new ARMS sensor further contribute to the FC Series' class leading performance.

Print & Cut, perfected

New ARMS 8.0 features the introduction of the Datalink Barcode System in addition to other accuracy and efficiency boosting functions.

All-in-one system

Easily create and cut high quality designs with Cutting Master 4 and Graphic Pro Studio software. Included Media Flanges and Blade Loupe ensure accurate tracking and blade setup.

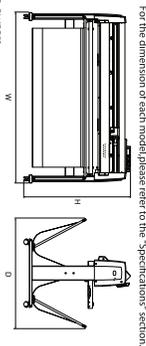
Specifications	FCC9000-75	FCC9000-100	FCC9000-140	FCC9000-160
Item	FCC9000-75	FCC9000-100	FCC9000-140	FCC9000-160
Item description	75" Format Type	100" Format Type	140" Format Type	160" Format Type
Drive method	Digital end drive	Digital end drive	Digital end drive	Digital end drive
Cutting area (actual) (W x L) (")	30" x 164"	42" x 164"	54" x 164"	64" x 164"
Cutting area (maximum) (W x L) (")	29.21" x 50"	41.22" x 32" / 30" x 50"	53.22" x 32" / 30" x 50"	63.22" x 32" / 30" x 50"
Media width	1.96"	1.96"	1.96"	1.96"
Media width (Max.)	36.2"	48.18"	60.19"	72.83"
Mountable roll media diameter	2.99" to 7.87" (6.29" when the optional flange (OPH-A21) is installed)	4.4 lbs	52 lbs	52 lbs
Mountable roll media mass	26 lbs	35 lbs	44 lbs	44 lbs
Take-up possible roll media width	-	-	7.87" to 64"	7.87" to 64"
Take-up possible roll media mass	-	-	44 lbs	44 lbs
Maximum roll cross cut width	30"	42"	54"	64"
Maximum roll cross cut length	158.66 inches per second at a 45° direction	158.66 inches per second at a 45° direction	158.66 inches per second at a 45° direction	158.66 inches per second at a 45° direction
Max. roll acceleration	Max. 1543.076 / s	Max. 1543.076 / s	Max. 1543.076 / s	Max. 1543.076 / s
Minimum character size	Approx. 5 mm alphanumeric (varies depending on character font and media)	Approx. 5 mm alphanumeric (varies depending on character font and media)	Approx. 5 mm alphanumeric (varies depending on character font and media)	Approx. 5 mm alphanumeric (varies depending on character font and media)
Mechanical resolution	0.003mm	0.003mm	0.003mm	0.003mm
Programmable resolution	GE-Q1 : 0.1/0.05/0.025/0.01mm HP-GL™ (R3) : 0.025mm	GE-Q1 : 0.1/0.05/0.025/0.01mm HP-GL™ (R3) : 0.025mm	GE-Q1 : 0.1/0.05/0.025/0.01mm HP-GL™ (R3) : 0.025mm	GE-Q1 : 0.1/0.05/0.025/0.01mm HP-GL™ (R3) : 0.025mm
Repeatability (1")	Max. 0.1 mm in plot up to 2 m (Excluding media expansion and contact)	Max. 0.1 mm in plot up to 2 m (Excluding media expansion and contact)	Max. 0.1 mm in plot up to 2 m (Excluding media expansion and contact)	Max. 0.1 mm in plot up to 2 m (Excluding media expansion and contact)
Number of push rollers	2 rollers	3 rollers	4 rollers (Max. 5 optional)	4 rollers (Max. 5 optional)
Mountable number of tools	1 tool (mountable 2 tools (option))	1 tool (mountable 2 tools (option))	1 tool (mountable 2 tools (option))	1 tool (mountable 2 tools (option))
Blade types	Superspeed ballpoint pen, Water-based fiber-tip pen	Superspeed ballpoint pen, Water-based fiber-tip pen	Superspeed ballpoint pen, Water-based fiber-tip pen	Superspeed ballpoint pen, Water-based fiber-tip pen
Media types	3.7" Graphic Type LCD with back-light (240dots x 128dots), supports 10 languages	High intensity reflective film (Diamond grade, Engineer grade) (4)	High intensity reflective film (Diamond grade, Engineer grade) (4)	High intensity reflective film (Diamond grade, Engineer grade) (4)
Display	USP 3.0(Full Speed), Ethernet 10BASE-T/100BASE-TX	USP 3.0(Full Speed), Ethernet 10BASE-T/100BASE-TX	USP 3.0(Full Speed), Ethernet 10BASE-T/100BASE-TX	USP 3.0(Full Speed), Ethernet 10BASE-T/100BASE-TX
Interface	2MB	2MB	2MB	2MB
Buffer memory	GR-GL™ / HP-GL™ (Set by command or auto-detect) (3)	Windows 10/8.1/7	Mac OS X 10.6 ~ 10.11 / macOS 10.12 ~ 10.14 (Graphic Studio 10.6 - 10.14, Cutting Master 4: 10.7 - 10.14)	Mac OS X 10.6 ~ 10.11 / macOS 10.12 ~ 10.14 (Graphic Studio 10.6 - 10.14, Cutting Master 4: 10.7 - 10.14)
Command sets	Compatible OS (5)	Compatible OS (5)	Compatible OS (5)	Compatible OS (5)
Supported software (6)	Graphic Pro Studio/Windows(7), Graphic Studio/Win, Cutting Master 4(7), Windows Driver	Graphic Pro Studio/Windows(7), Graphic Studio/Win, Cutting Master 4(7), Windows Driver	Graphic Pro Studio/Windows(7), Graphic Studio/Win, Cutting Master 4(7), Windows Driver	Graphic Pro Studio/Windows(7), Graphic Studio/Win, Cutting Master 4(7), Windows Driver
Power source	Power source	Power source	Power source	Power source
Power consumption	Max. 140VA	Max. 140VA	Max. 140VA	Max. 140VA
Operating environment	50 to 95 °F, 35 to 75 % RH (non-condensing)	50 to 95 °F, 35 to 75 % RH (non-condensing)	50 to 95 °F, 35 to 75 % RH (non-condensing)	50 to 95 °F, 35 to 75 % RH (non-condensing)
Environmental accuracy, environment	60 to 89 °F, 35 to 70 % RH (non-condensing)	60 to 89 °F, 35 to 70 % RH (non-condensing)	60 to 89 °F, 35 to 70 % RH (non-condensing)	60 to 89 °F, 35 to 70 % RH (non-condensing)
External dimensions (W x D x H) (8)	Approx. 53" x 45" x 48"	Approx. 53" x 45" x 48"	Approx. 53" x 45" x 48"	Approx. 53" x 45" x 48"
Weight (approx.) (8)	108 lbs	123 lbs	141 lbs	154 lbs
Safety	PEE, UL/ULC, CE mark	PEE, UL/ULC, CE mark	PEE, UL/ULC, CE mark	PEE, UL/ULC, CE mark
EMC	VCCI Class A, FCC Class A, CE mark	VCCI Class A, FCC Class A, CE mark	VCCI Class A, FCC Class A, CE mark	VCCI Class A, FCC Class A, CE mark

Standard accessories

Item	Qty	Description
Power cord	1	The type of cord is different by destination.
USB Cable	1	9.5 feet long
Cutting blade holder	1	PHP33-CB09H-HS
Cutting blade	1	CB09UB
Loupe	1	PM-CT-001
Fiber-tip pen holder	1	PHP31-FIBER
Waterbased fiber-tip pen	1	KE700-BK (black)
Stand	1	
Blade bracket	1	
Flange set	1	
DVD-ROM	1	User manual, Windows driver, Graphic Pro Studio (Windows), License, Graphic Pro Studio (Mac), Cutting Master Setup Manual, Cutter Blade Manual and Safety Manual
Printed document	1	

- Operated with Graphtec specified cutting condition and media.
- For long length cutting, the basket is used.
- There are conditions for operability when setting media.
- Media are not supported when using the optional media tray.
- CB15UB/CR15A/30 blades and reinforced backing sheets are recommended for certain grades of high-intensity reflective film.
- Graphic does not support software/driver used with operating systems that have become obsolete and are no longer supported by the OS developer.
- The software is not supported on certain operating systems.
- The software is not supported on certain operating systems or configurations when starting the software for the first time.
- Includes stand and basket.

External dimensions



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 *Items mentioned are subject to change without notice. For more information about products, please check the web site or contact your local representative.
 ⚠️ For using equipment correctly and safely

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Precision Cutting Solutions
www.graphtecamerica.com

High-Performance

Best in class ability

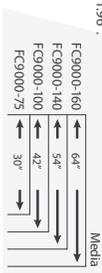
58.46 inches per second maximum cutting speed, 15.43in/s² maximum acceleration, and 6000g maximum force. The FC9000 Series offers best-in-class productivity and abilities with a wider range of compatible medias from thick to thin.



Second part holder kit (option)

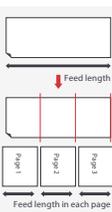
Wide cutting area for full media utilization

The Minimum cutting width is 1.96". The Maximum cutting width depends on the model.



Auto panneling

This function automatically splits long-length jobs into smaller pages that are cut sequentially to prevent skewing.



User-friendly control panel

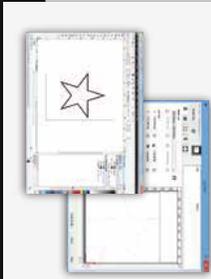
The 3.7" LCD display and easy-to-use control panel supports 10 languages.



Improved Application Software

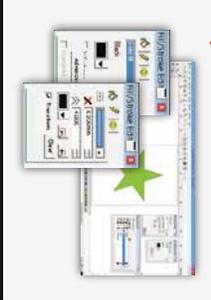
Cutting Master 4

Adobe Illustrator / CorelDRAW plug-in software



Graphic Pro Studio

Graphic design software



Reliable long-length tracking with Auto Take-up Reel (2)

The optional take-up reel supports cuts up to 50ft^(*) and makes cutting large signs/POPs with stable paper-carriages possible. Media may be automatically wound in either direction to improve efficiency.



- (1) Operated with Graphtec specified media and conditions.
- (2) Corresponding Models: FC9000, 140/160
- Guaranteed accuracy length: 0.5 feet (under 4 feet per job)
- Maximum diameter of winding roll: 92 inches
- Winding conditions: End face of roll media and end face of paper tube should be aligned
- Width of roll media should be the same as the width of the paper tube on the winding side
- * It cannot be wound if media is folded or overlapped inside the basket.

Load & cut via USB flash memory without a PC

When cutting data designed with Cutting Master 4 or Graphtec Pro Studio / Plus are saved to USB flash memory, they can be output directly to the cutting plotter by plugging in. This simplified work-flow enables users to operate without a computer.

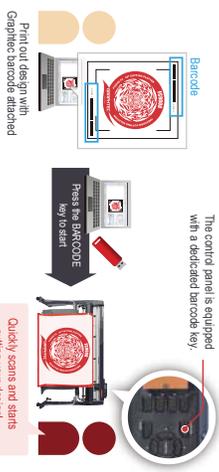


ARMS 8.0 New and improved functions

The Advanced Registration Mark Sensing system delivers precise Print & Cut results by using sensors to detect registration marks and performance axis alignment. Efficiency boosting functions improve productivity for Print & Cut applications such as labels and decals.

Datalink Barcode System - Cutting Via USB

By reading the Graphtec barcode, the FC9000 automatically detects its linked data from PC or USB flash memory. This function is available regardless of which printer or RIP software is used.



Supports colored marks / specialty media

A wide variety of media types including holographic paper and reflective sheets are now compatible thanks to improvements of the ARMS sensor algorithm.



* Sensor may not be able to read certain combinations of specialty media and colored marks.

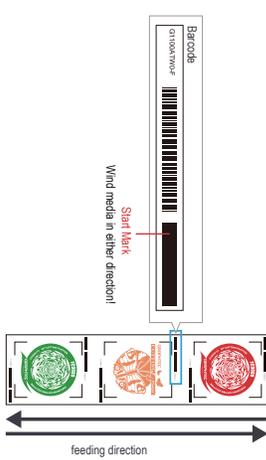
Segment area compensation (XY)

In addition to the current X-axis Direction, new Y-axis compensation has been added. The sensor refers not only to the X but also Y-axis to correct the distortion of media, greatly enhancing accuracy.



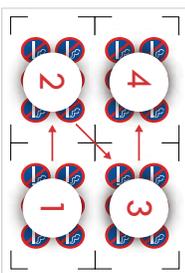
Datalink Barcode System - Continuous cutting

Barcode data management allows cutting different jobs with different data sequentially by detecting the Start Mark of each new job.



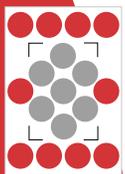
Multiple-mark compensation

The action of reading the mark and contour cutting is repeated for each copy, significantly improving productivity for Print & Cut applications.



Expanded cutting area

This function expands the cutting area to include printed objects outside of the enclosed registration marks - increasing production efficiency and reducing media waste.



Graphtec Master 4 is Graphtec's plug-in software for Adobe Illustrator and CorelDRAW Graphic Suite. It sends cutting data to the dealer and includes a variety of functions such as preview, registration mark creation, tool conditions, cut-out settings and more. Cutting Master 4 is easy to use and enables you to get the best performance from your plotter. Manuals for Adobe Illustrator and CorelDRAW are available at www.graphtec.com

Approved OS (1) Windows Vista / Mac OS X 10.5 / Windows 7 / X

- ▶ Main Features
- ▶ Force content and finish object directly from the next air window
- ▶ Create object outline, direct the line width and overlap
- ▶ Output / layer color
- ▶ Print an object into small pieces with the tiling function
- ▶ Connectable and switchable to multiple plotters

Explore use application software for creating original designs. It has many enhanced functions such as auto-shapes, shading, and editing in addition to configuring cutting conditions and managing settings on the plotter. EPS, AI(*), CMYK(S), and PDF(S) file formats are supported. Graphics created with other popular design software are also importable.

Approved OS (1) Windows Vista / Mac OS X 10.5 / Windows 7 / X

- ▶ Main Features
- ▶ Create design using auto-shapes, patterns, line types, etc.
- ▶ Cross edit, outline, mirror, fill, clip, etc. (image, text)
- ▶ Auto-trace (supporting BMP, JIF, JPEG, etc. image format)
- ▶ Connectable and switchable to multiple plotters
- ▶ EPS, PDF format and other read format files are supported
- ▶ Layer (*S) / Output by color / User nesting (line S)

Option: Advanced graphic Design Software

Graphtec Pro Studio Plus

NEW LINEUP Limited Edition Software

- Graphtec Pro Studio Plus for Rhinoceros
- Graphtec Pro Studio Plus for Auto Nesting

Graphtec Pro Studio Plus is the enhanced edition of Graphtec Pro Studio. It is optional software with functions for improving productivity and advanced design. Additional functions include: translation of character and graphics, automatic sequence number function, bar-code control, expansion of Rhinoceros and AutoNesting, directional change of cutting, less changing during the cut, and more.

Approved OS (1) Windows Vista / X

- ▶ Main Features of Graphtec Pro Studio Plus
- ▶ Text and Shape deformation, shadow / z-depth effect
- ▶ Vector / Interior Shading, Image / Power Nest (Nesting)
- ▶ Serialized manufacturing, Barcode, QR code, etc.
- ▶ Cutting simulation (Change/cutting order / Output by layer/color / Nest/meshing line)
- ▶ Main features of Graphtec Pro Studio Plus for Rhinoceros
- ▶ Rhinoceros template design support
- ▶ Main features of Graphtec Pro Studio Plus for Auto Nesting
- ▶ Nesting (Auto, Power Nest, intelligent)

(1) For more information about compatibility of the latest OS or application software, please check the Graphtec website or contact your local representative of Graphtec.

(2) CSM is supported with Windows only. (3) Supported on Graphtec Pro Studio only.