

Model	FC9000-75	FC9000-100	FC9000-140	FC9000-160
CPU	32-bit CPU			
Configuration	Grit rolling plotter			
Drive method	Digital servo drive			
Max. cutting speed	58.5 inches per second (45 degree direction) 41.3 (axis direction)			
Cutting force	Max. 600 gf in 48 steps			
Axial acceleration	Max. 39.2 m/s ² (4 G) in 8 steps			
Max. cutting area (W x L) ^(*)	30 in x 164 ft 762 mm x 50 m	42 in x 164 ft 1067 mm x 50 m	54 in x 164 ft 1372 mm x 50 m	64 in x 164 ft 1626 mm x 50 m
Guaranteed precision cutting area ^(*)	29.21 in x 50 ft	41 in x 32 ft, 35.2 in x 50 ft	53 in x 32 ft, 35.2 in x 50 ft	63 in x 32 ft, 35.2 in x 50 ft
Mountable media width ^(**)	Min. 1.96 in Max. 36.22 in	Min. 1.96 in Max. 48.19 in	Min. 1.96 in Max. 60.20 in	Min. 1.96 in Max. 72.83 in
Max. cross cut width	30 in	42 in	54 in	64 in
Number of push rollers	2 rollers	3 rollers	4 rollers	4 rollers
Compatible roll media diameter	Min. 2.99 in Max 7.8 in. (Max diameter is 6.29 in when included flange is installed)			
Mechanical resolution	0.005 mm			
Programmable resolution	GP-GL: 0.1 / 0.05 / 0.025 / 0.01 mm, HP-GL™: 0.025 mm			
Distance accuracy ^(**)	Max. 0.1 mm or 0.1 % of plotted length			
Repeatability ^(**)	Max. 0.1 mm in plot up to 2 m (excluding the expansion and contraction of the media)			
Minimum character size	Approx. 5 mm alphanumeric (varies depending on character font and media)			
Mountable number of tools	1 tool (cutting blade, plotting pen or pouncing tool) in standard; 2 tools (cutting blade and plotting pen) when second			

	penholder (optional) is installed			
Blade types	Supersteel (0.9 mm or 1.5 mm diameter)			
Pen types	Water-based fiber-tip pen, Oil-based ballpoint pen			
Pouncing tool type	Steel pin 1.2 mm diameter, required optional pouncing tool (PPA 33-TP12)			
Media types ^(*3)	Self-adhesive marking film (vinyl, fluorescent, reflective, high-intensity reflective film) up to 0.25 mm thick, Sandblast resist rubber up to 1 mm thick			
Compatible paper for pouncing	Regular paper from 0.06 to 0.13 mm thick			
Cross-cutter	Built into the tool carriage			
Perforation cutting	Supported (performed by force control)			
Interface	USB 2.0(Full Speed), Ethernet 10BASE-T/100BASE-TX			
Buffer memory	2 MB			
Command sets	GP-GL / HP-GL™ emulation (Set by menu or command, and selects from GP-GL, HP-GL™, or Auto select)			
Condition settings	Dual configuration (save two (2) user settings with eight (8) separate condition settings per user)			
Display	Graphic type LCD (3.7-inch, backlight)			
Power source	100 V to 240 V AC, 50 / 60 Hz			
Power consumption	AC100-240 V, 50/60 Hz			
Operating environment	50 to 95 °F, 35 to 75 % R.H. (non-condensing)			
Guaranteed accuracy environment	60 to 89 °F, 35 to 70 % R.H. (non-condensing)			
External dimensions (W x D x H)	Approx. 50" x 28" x 48" (1270 x 711 x 1219 mm)	Approx. 61.8" x 28" x 48" (1570 x 715 x 1219 mm)	Approx. 73.6" x 28" x 48" (1870 x 711 x 1219 mm)	Approx. 84" x 28" x 48" (2130 x 711 x 1219 mm)
Weight ^(*8)	108 lbs.	123 lbs.	141 lbs. 178 lbs. /w take-up	154 lbs. 195 lbs. /w take-up

Included software ^(*6)	Windows Driver, Graphtec Pro Studio ^(*5) , Cutting Master 4, Graphtec Studio for Mac
Compatible OS ^(*5)	Windows 10 / 8.1 / 7 Mac OS X 10.6 to 11.2 Mac OS 10.12 to 10.14 Graphtec Studio: 10.6 to 11.2 Cutting Master 4: 10.7-11.2
Safety	PSE, UL/cUL, CE mark)
EMC	VCCI Class A, FCC Class A, CE mark