Specifications

The Roland VersaCAMM SP-300i & SP-540i

Specifications		SP-540i	SP-300i
Printing technology		Piezoelectric inkjet	
Media	Width	8.3 to 54 in (210 - 1371 mm)	7.2 to 30 in (182 - 762 mm)
	Thickness	Maximum 39 mil (1 mm) with liner, for printing Maximum 16 mil (0.4 mm) with liner and 9 mil (0.22 mm) without liner, for cutting	
	Roll Outer Diameter	Maximum 7 in (180 mm)	
	Roll Weight	Maximum 66 lbs (30 kg)	Maximum 44 lbs (20 kg)
	Core Diameter	2 or 3 in (50.8mm or 76.2 mm)	
Printing/Cutting width (*1)		Maximum 53 in (1346 mm)	Maximum 29 in (736 mm)
Ink Cartridges	Types	220-cc cartridge/ 440-cc cartridge, EcoSol MAX	
	Colors	Four colors (cyan, magenta, yellow, black)	
Printing Resolution (dpi)		Maximum 1440 dpi	
Cutting Speed		0.393 to 11.8 in/sec (10 to 300 mm/s)	
Blade Force		30 - 300 grams force	
Cutting Blade	Type	Roland CAMM-1 series compatible	
	Blade Offset	0 to 0.059 in (0 - 1.5mm)	
Software resolution (when cutting)		0.00098 in/step (0.025 mm)	
Distance accuracy (when printing) (*2) (*3)		Error of less than $\pm$0.3% of distance traveled, or $\pm$0.3mm, whichever is greater	
Distance accuracy (when cutting) (*3)		Error of less than $\pm$0.4% of distance traveled, or $\pm$0.3mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than $\pm$0.2% of distance traveled, or $\pm$0.1mm, whichever is greater	
Repeatability (when cutting) (*3)(*4)		$\pm$0.00393 in (0.1 mm)or less	
Alignment accuracy for printing and cutting (*3)(*5)		$\pm$0.01968 in (0.5 mm)or less	
Alignment accuracy for printing and cutting when reloading media (*3)(*6)		Error of less than $\pm$0.5% of distance traveled, or $\pm$3mm, whichever is greater	
Media heating system (*7)		Print heater, setting range for the preset temperature: 86 to 112°F (30 - 45°C) Dryer, setting range for the preset temperature: 86 to 122°F (30-50°C)	
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)	
Power-saving function		Automatic sleep feature	
Power requirements		AC 100 to 120V +10%, 7.6A, 50/60 Hz AC 220 to 240V +10%, 3.9A, 50/60 Hz	AC 100 to 120V +10%, 5.5A, 50/60 Hz AC 220 to 240V +10%, 2.8A, 50/60 Hz
Power	During Operation	Approx 1030 W	Approx 730 W
	Sleep Mode	Approx 14 W	
Acoustic noise level	During operation	64 dB (A) or less	
	During standby	40 dB (A) or less	
Dimensions (with stand) (*8)		90.9 x 29.1 x 44.3 in (2310 x 740 x 1125 mm)	66.9 x 29.1 x 44.3 in (1700 x 740 x 1125 mm)
Weight (with stand)		247 lbs (112 kg)	196 lbs (89 kg)
Environmental	Power on (*9)	Temperature: 59 to 90°F (15-32°C) (68°F [20°C] or more recommended), humidity: 35 to 80%RH (non-condensing)	
	Power off	Temperature: 41 to 104°F (5-40°C), humidity: 20 to 80%RH (non-condensing)	
Accessories		Stand, power cord, blade, blade holder, media clamps, media flanges, replacement blade for separating knife, cleaning kit, RVW RIP, User Manual, etc	

*1
The length of printing or cutting is subject to the limitations of the program.

*2
○ With Roland PET film, print travel: 1 m
○ Temperature: 25°C (77°F), humidity: 50%

*3
Not assured when the print heater or dryer is used.

*4
The following conditions must be met:
○ Media type: Media specified by Roland DG Corp.
○ Roll media must be loaded on the shaft.
○ [PREFEED] menu item must be set to "ENABLE."
○ Side margins: 25 mm or more for both the left and right margins
○ Front margin: 35 mm or more
○ Excluding expansion/contraction of the media
Range for assured repetition accuracy
○ 54-inch model
　For media with a width exceeding 610 mm: Length 4,000 mm
　For media with a width of 610 mm or less: Length 8,000 mm
○ 30-inch model
　Length 3,000 mm

*5
○ Provided that media length is under 3,000 mm
○ Temperature: 25°C (77°F)
○ Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.

*6
○ Media type : Roland PET film
○ Data size: 1,000 mm in the media-feed direction, 1,346 mm (54-inch model) or 736 mm (30-inch model) in the carriage-movement direction
○ No lamination
○ Automatic detection of crop marks at 4 points when media is reloaded.
○ During cutting, [PREFEED] menu item must be set to "ENABLE."
○ Temperature: 25°C (77°F)
○ Excludes the effects of slanted movement and of expansion and contraction of the media.

*7
○ Warm-up is required after power up. This may require 5 to 20 minutes, depending on the operating environment.
○ Depending on the ambient temperature and media width, the preset temperature may fail to be reached.

*8
○ Depth when the included ink-cartridge tray is installed is 1,000 mm.

*9
Operating environment