

Specifications SP-540i

Printing technology	Piezoelectric inkjet	
Media	Width	210 to 1371 mm
	Thickness	Maximum 1.0 mm with liner, for printing Maximum 0.4 mm with liner and 0.22 mm without liner, for cutting
	Roll outer diameter	Maximum 180 mm
	Roll weight	Maximum 30 kg
	Core diameter	50.8 mm or 76.2 mm
Printing/cutting width (*1)	Maximum 1346 mm	
Ink cartridges	Types	ECO-SOL MAX
	Capacity	220 cc or 440 cc
	Colours	Four colours (cyan, magenta, yellow, and black)
Printing resolution (dots per inch)	Maximum 1440 dpi	
Cutting speed	10 to 300 mm/s	
Blade force	30 to 300 gf	
Blade offset	0 to 1.5 mm	
Software resolution (when cutting)	0.025 mm/step	
Distance accuracy (when printing) (*2)(*3)	Error of less than $\pm 0.3\%$ of distance travelled, or ± 0.3 mm, whichever is greater	
Distance accuracy (when cutting) (*3)	Error of less than $\pm 0.4\%$ of distance travelled, or ± 0.3 mm, 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 travelled, or ± 0.1 mm, whichever is greater	
Repetition accuracy (when cutting) (*3) (*4)	± 0.1 mm or less	
Alignment accuracy for printing and cutting (*3) (*5)	± 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 travelled, or ± 3 mm, whichever is greater	
Media heating system (*7)	Print heater, setting range for the preset temperature: 30 to 45°C Dryer, setting range for the preset temperature: 30 to 50°C	
Connectivity	Ethernet (10BASE-T/100BASE-TX, automatic switching)	
Power requirements	AC 100 to 120 V $\pm 10\%$, 7.6 A, 50/60 Hz or AC 220 to 240 V $\pm 10\%$, 3.9 A, 50/60 Hz	
Power consumption	During operation	Approx. 1030 W
	During standby	Approx. 14W
Acoustic noise level	During operation	64 dB (A) or less
	During standby	40 dB (A) or less



**VersaCAMM
SP-540i**

Power-saving function	Automatic sleep feature	
Dimensions (with stand)	2310 (W) x 740 (D) x 1125 (H) mm	
Weight (with stand)	112 kg	
Environmental	Power on	Temperature: 15 to 32°C [20°C or more recommended], Humidity: 35 to 80%RH (non-condensing)
	Power off	Temperature: 5 to 40°C, humidity: 20 to 80%RH (non-condensing)
Included items	Stand, power cord, blade, blade holder, media clamps, media flanges, replacement blade for separating knife, cleaning kit, software RIP, and user's manual, etc	

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

*2 Using Roland specified media, print travel of 1m, temperature: 25°C, humidity: 50%RH

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

*4 Using Roland specified media, loaded on the shaft, [PREFEED] menu item must be set to "ENABLE," with 25mm or more for both right and left margins and 35mm or more front margin, excluding expansion or contraction of the media.

*5 Provided that media length is under 3000 mm. Temperature: 25°C

*6 Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.

*7 Using Roland specified media, data size: 1000 mm in the media-feed direction, 1346mm 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

Excludes the influence of misalignment, expansion or contraction of the media.

*7 Warm-up is required after powerup. This may require 5 to 20 minutes, depending on the operating environment.

The preset temperature may fail to be reached. Depending on the ambient temperature and media width.

Rolland VersaWorks System Requirements

Operating system	Windows Vista® Ultimate Service Pack 1 or Business Service Pack 1 (32-bit edition), Windows Vista® Ultimate or Business (32-bit edition), Windows® XP Professional Service Pack 2 or 3, or Windows® 2000 Service Pack 4	
CPU	2.0 GHz or faster Pentium 4 recommended	
RAM	1 GB or more recommended (2 GB or more recommended for Windows Vista®)	
Video card and monitor	A resolution of 1280 x 1024 or more recommended	
Free hard-disk space	40 GB or more recommended	
Optical drive	DVD-ROM drive	

Options

ECO-SOL MAX ink	ESL3-4MG	Magenta, 440 cc
	ESL3-4YE	Yellow, 440cc
	ESL3-4CY	Cyan, 440 cc
	ESL3-4BK	Black, 440 cc
	ESL3-MG	Magenta, 220 cc
	ESL3-YE	Yellow, 220 cc
	ESL3-CY	Cyan, 220 cc
Blades	ESL3-BK	Black, 220 cc
	SL-CL	Cleaning liquid, 1 pc.
	ZEC-A5025	For thick, reflective and fluorescent vinyl, 3pcs.
Blade Holders	XD-CH3	Blade holder with blade extension adjuster, made of resin
	XD-CH2	Blade holder with blade extension adjuster, made of aluminium
Automated Take-up System	TU2-54	For sp-540i, rolls up to 30 kg. Can only be used during printing
	TUC-2	Controller for TU2-54 take-up system

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