

Specifications

Roland TrueVIS SG Series			
Specifications		SG-540	SG-300
Printing technology		Piezoelectric inkjet	
Media	Width	8.3 to 54 in (210 to 1371 mm)	7.2 to 30 in. (182 to 762 mm)
	Thickness	Maximum 39 mil (1.0 mm) with liner for printing	
		Maximum 16 mil (0.4 mm) with liner and 9 mil (0.22mm) without liner	
	Roll outer diameter	Maximum 8.3 in (210 mm)	
	Roll weight	Maximum 66 lbs (30 kg)	Maximum 55 lbs (25 kg)
	Core diameter *1	3 in (76.2 mm) or 2 in (50.8 mm)	
Printing/cutting width *2		Maximum 53 in (1,346 mm)	Maximum 29 in 736 mm)
Replacable Ink Pouch	Type	Roland TrueVIS TR Ink	
	Capacity	500 cc	
	Colors	CMYK	
Printing resolution (dots per inch)		Maximum 900 x 900 dpi	
Cutting speed		10 to 300 mm/s	
Blade force *3		30 to 500 gf	
Blade offset		0 to 0.059 in (0 to 1.5 mm)	
Software resolution (when cutting)		0.000984 in/step (0.025 mm/step)	
Distance accuracy (when printing) *4*5		Error of less than $\pm 0.3\%$ of distance traveled, or ± 0.3 mm, whichever is	
Distance accuracy (when cutting) *4		Error of less than $\pm 0.4\%$ of distance traveled, or ± 0.3 mm, whichever is 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 ± 0.1 mm, whichever is greater	
Repeatability (when cutting) *4 *6		± 0.1 mm or less	
Alignment accuracy for printing and cutting *4 *7		± 0.5 mm or less	
Alignment accuracy for printing and cutting when reloading media *4 *8		Error of less than $\pm 0.5\%$ of distance traveled, or ± 3 mm, whichever is greater	
Media heating system *9	Print heater	Setting range for the preset temperature: 86 to 112°F (30 to 45°C)	
	Dryer	Setting range for the preset temperature: 86 to 122°F (30 to 50°C)	
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)	
Power-saving function		Automatic sleep feature	
Power requirements		AC 100 V to 120V $\pm 10\%$, 8.0A, 50/60Hz	AC 100 to 120 V $\pm 10\%$, 5.4A, 50/60 Hz or
		AC 220V to 240V $\pm 10\%$, 4.0A, 50/60Hz	AC 220 to 240 V $\pm 10\%$, 2.7A, 50/60 Hz
Power consumption	During operation	1,050 W	710 W
	Sleep mode	20 W	20 W
Acoustic noise level	During operation	65 dB (A) or less	
	During standby	48 dB (A) or less	
Environmental	Power on (*10)	Temperature: 20 to 32°C (68 to 90°F), humidity: 35 to 80 % RH (no condensation)	
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80 % RH (no	
Dimensions (with stand)		SG-540 105.7(W) x 29.3(D) x 51.6(H) 2685(W) x 745(D) x 1310(H) mm	SG-300 81.5[W] x 29.3[D] x 51.6[H] in 2070[W] x 745[D] x 1310[H]mm
Weight (with stand)		392 lb (178kg)	324lb (147kg)
Included items		Stand, power cord, blade, blade holder, media clamps, media holder, replacement blade for separating knife, software RIP, user's manual, etc.	

Roland Versa Works Dual System Requirements	
Operating system	Windows® 10 (32/64-bit)
	Windows® 8/8.1 (32/64-bit)
	Windows® 7 Professional / Ultimate (23/64-bit)
CPU	Intel® Core™2 Duo, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card and monitor	A resolution of 1,280 x 1,204 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

*1 The media holder of this machine is exclusively for media with a paper tube core inner diameter of 3 inches. To use a 2-inch media core, please use the optionally available media flanges.

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

*3 500 gf is the maximum instantaneous blade force. The blade force must be adjusted according to details such as the media thickness.

*4 Using Roland specified media, print travel of 1m. Temperature: 25°C (77°F), humidity: 50%. Roll media must be loaded correctly. Applicable when all pinch rollers that can be used with the media width are used. Side margins: 25 mm (1.0 in.) or more for both the left and right margins. Front margin: 35 mm (1.4 in.) or more. Excluding expansion/contraction of the media. Not guaranteed when the print heater or dryer is used. Assumes all correction and adjustment functions of the machine have been used properly.

*5 Print travel: 1 m (39.4 in.)

*6 [PREFEED] menu item must be set to "ENABLE." Range for assured repetition accuracy. 54" model -For media with a width exceeding 24 in (610 mm in.): Length 315 in (8000 mm)- 30" Model Width 24 in (610mm) or less: Length 118.2 in (4000 mm)

*7 Provided that the media feed length is 3,000 mm (118.1 in.) or less. Excludes the effects of slanted movement and of expansion and contraction of the media.

*8 Data size: 54" Model: 39.4 in. (1000 mm) in the media-feed direction, 1,346 mm (53.0 in.) in the carriage-movement direction. 30" Model: 39.4 in. (1000mm) in the media-feed direction, 29in. (736 mm) 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." Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.

*9 Warm-up is required after the power is turned on. This may require 5 to 20 minutes, depending on the operating environment. Depending on the ambient temperature and the media width, the set temperature may not be reached.

*10 Operating environment: Use the machine in an operating environment within its range

* Roland VersaWorks Dual is a 32-bit application, which runs on 64-bit Windows® with WoW64 (windows 32-bit on Windows 64-bit).