

Specifications			
Model		VS-640i	VS-540i
Printing technology		Piezoelectric inkjet	
Media	Width	210 to 1,625 mm (8.3 to 64 in.)	210 to 1,371 mm (8.3 to 54 in.)
	Thickness	Maximum 1.0 mm (39 mil) with liner, for printing	Maximum 0.4 mm (16 mil) with liner and 0.22 mm (9 mil) without liner, for cutting
	Roll outer diameter	Maximum 210 mm (8.3 in.)	
	Roll weight	Max. 40 kg (88 lbs)	Max. 30 kg (66 lbs)
	Core diameter**1	76.2 mm (3 in.) or 50.8 mm (2 in.)	Max. 25 kg (55 lbs)
Printing/cutting width ²		Max. 1,600 mm (63 in.)	Max. 1,346 mm (53 in.)
Ink cartridges	Types	ECO-SOL MAX2 440-cc cartridge (cyan, magenta, yellow, black, light cyan, light magenta, and light black) ECO-SOL MAX2 220-cc cartridge (metallic silver and white)	
	Colours	Eight colours (cyan, magenta, yellow, black, light cyan, light magenta, light black, and white) or, Eight colours (cyan, magenta, yellow, black, light cyan, light magenta, light black, and metallic silver) or, Eight colours (cyan, magenta, yellow, black, light cyan, light magenta, metallic silver, and white) or, Seven colours (cyan, magenta, yellow, black, light cyan, light magenta, and light black) or, Four colours (cyan, magenta, yellow, and black)	
Printing resolution (dots per inch)		Maximum 1,440 dpi	
Cutting speed		10 to 300 mm/s	
Blade force		30 to 300 gf	
Cutting blade		Type: Roland CAMM-1 series compatible Blade offset: 0.000 to 1.500 mm (0.000 to 0.059 in)	
Software resolution (when cutting)		0.025 mm/step	
Distance accuracy (when printing)**4		Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater	
Distance accuracy (when cutting)**3		Error of less than ±0.4% of distance traveled, 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 ±0.2% of distance traveled, or ±0.1 mm, whichever is greater	
Repeatability (when cutting)**5		±0.1 mm or less	
Alignment accuracy for printing and cutting**6		±0.5 mm or less	
Alignment accuracy for printing and cutting when reloading media**7		Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater	
Media heating system**8	Print heater	Setting range for the preset temperature: 30 to 45°C (86 to 112°F)	
	Dryer	Setting range for the preset temperature: 30 to 50°C (86 to 122°F)	
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)	
Power-saving function		Automatic sleep feature	
Power requirements		AC 100 to 120 V ±10%, 7.8 A, 50/60 Hz or AC 220 to 240 V ±10%, 4.0 A, 50/60 Hz	AC 100 to 120 V ±10%, 7.5 A, 50/60 Hz or AC 220 to 240 V ±10%, 3.8 A, 50/60 Hz
Power	During operation	Approx. 1,044 W	Approx. 995 W
	Sleep mode	Approx. 14.5 W	Approx. 15.1 W
Acoustic noise level		During operation: 69 dB (A) or less During standby: 43 dB (A) or less	
Dimensions (with stand)		2,575 (W) x 795 (D) x 1,270 (H) mm (101.4 (W) x 31.1 (D) x 50 (H) in.)	2,315 (W) x 795 (D) x 1,270 (H) mm (91.1 (W) x 31.1 (D) x 50 (H) in.)
Weight (with stand)		140 kg (309 lbs)	130 kg (287 lbs)
Environmental	Power on	Temperature: 15 to 32°C (59 to 90°F) (20°C [68°F] or more recommended), humidity: 35 to 80%RH (non-condensing)	
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80%RH (non-condensing)	
Included items		Exclusive stands, power cord, blade, blade holder, media clamps, media holder, replacement blade for separating knife, User's Manual, etc.	

Options		
Model	Description	
ECO-SOL MAX2 Ink	ESL4-4CY	Cyan, 440cc
	ESL4-4MG	Magenta, 440cc
	ESL4-4YE	Yellow, 440cc
	ESL4-4BK	Black, 440cc
	ESL4-4LC	Light cyan, 440cc
	ESL4-4LM	Light magenta, 440cc
	ESL4-4LK	Light black, 440cc
	ESL4-MT	Metallic silver, 220cc
	ESL4-WH	White, 220cc
Cleaning cartridge	ESL4-CL	Cleaning liquid, 1pc.
Blades	ZEC-U5025	For thick, reflective and fluorescent vinyl, as well as sign vinyl in general, 5pcs.
	ZEC-U5022	For sign vinyl in general, 2pcs.
Blade Holders	XD-CH2	Blade holder with blade extension adjuster, made of aluminium
	XD-CH3	Blade holder with blade extension adjuster, made of resin

Roland VersaWorks System Requirements	
Operating system	Windows® 7 Professional or Ultimate (32/64-bit); Windows Vista® Business/Ultimate (32/64-bit); Windows® XP Professional Service Pack 2 or later (32/64-bit)
CPU	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 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

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

**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 Using Roland specified media, loaded correctly, temperature: 25°C (77°F), humidity: 50 %RH, all pinch rollers are used, 25 mm or more for both right and left margins and 35 mm or more front margin, excluding expansion or contraction of the media and all correction and adjustment functions of this machine have been made properly. Not assured when the print heater or dryer is used.

**4 Using Roland specified media, print travel of 1m.

**5 [PREFEED] menu item must be set to "ENABLE." Range for assured repetition accuracy: [64" inch model] media over 610 mm wide, and 4,000 mm long • media over 610 mm wide or less and 8,000 mm long. [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" model] length 3,000 mm.

**6 Provided that media length is under 3,000 mm. Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.

**7 Using Roland specified media, 64" and 54" models: data size: 1,000 mm in the media-feed direction, 1,600 mm in the carriage-movement direction. 54" model: data size: 1,000 mm in the media-feed direction, 1,346 mm in the carriage-movement direction. 30" model: data size: 1,000 mm in the media-feed direction, 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." Excludes possible shift caused by expansion/contraction of the media and/or by reloading the media.

**8 Warm-up is required after power up. 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.

Option

Automated take-up system



TU2-64 [For VS-640i]
TU2-54 [For VS-540i]
TU2-30 [For VS-300i] * Rolls up to 30kg (66 lbs.)

Heater and blower



OnDs 640A/B [For VS-640i]
OnDs 540A/B [For VS-540i]
OnDs 300A/B [For VS-300i]

Power requirements

OnDs ***A : AC 100 to 115 V, 6 A, 50/60 Hz
 OnDs ***B : AC 200 to 240 V, 3 A, 50/60 Hz

*It is recommended to use a heater and blower especially for printing with white and metallic.

About Metallic Silver and White Inks

Due to the nature of white and silver inks, the pigment in these inks will settle in the cartridge and ink flow system, requiring you to shake the cartridge before each use. Outdoor durability is three years for CMYK inks, one year for white ink, and one to three years for metallic silver ink, depending on the media used. Roland strongly recommends lamination for both indoor and outdoor graphics to ensure the quality of metallic inks.

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.

