

Specifications	
Printing/cutting method	Piezo piezo-jet method/media-moving method
Media	Width
	Thickness
	Roll outer diameter
	Roll weight
	Core diameter
Printing/cutting width*	Max. 1,600 mm (63 in.)
Ink cartridges	Types
	Colours
Printing resolution (dots per inch)	Maximum 1,440 dpi
Cutting speed	10 to 600 mm/min (Media-feed direction: 10 to 300 mm/min)
Blade force	30 to 300 gf
Cutting blade	Type: Roland GMAH-1 series compatible Blade offset: 0.000 to 1.200 mm (0 to 0.059 in.)
Software resolution (when cutting)	0.025 mm/step
Distance accuracy (when printing)**	Error of less than ±0.3 % of distance travelled, or ±0.3 mm, whichever is greater
Distance accuracy (when cutting)**	Error of less than ±0.4 % of distance travelled, or ±0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [DUAL FEEDING] has been made): Error of less than ±0.2% of distance travelled, or ±0.1 mm, whichever is greater
Repeatability (when cutting)***	±0.1 mm or less
Alignment accuracy for printing and cutting****	±0.5 mm or less
Alignment accuracy for printing and cutting when reloading media****	Error of less than ±0.5 % of distance travelled, or ±3 mm, whichever is greater
Dryer unit	Heating type, setting range for the preset temperature: 30 to 55°C (86 to 130°F)
Ink-drying device**	Print heater / preheater, 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%, 12 A, 50/60 Hz or AC 220 to 240 V ±10%, 6.5 A, 50/60 Hz
Power	During operation: Approx. 1,600 W Sleep mode: Approx. 47 W
Acoustic noise level	During operation: 65 dB (A) or less During standby: 45 dB (A) or less
Dimensions (with stand/weight (with stand))	2,948 (W) x 1,211 (D) x 1,260 (H) mm (116.1 (W) x 47.7 (D) x 49.6 (H) in.) / 205 kg (452 lb.)
Environmental	Power on
	Power off
Accessories	Exclusive stands, power cord, blade, blade holder, media clamps, media holder, replacement blade for separating knife, software RP, User's Manual, etc.

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



*1 The length of printing or cutting is subject to the limitation of the program. *2 *Media type: Media specified by Roland DG Corp. * Temperature: 20°C (77°F), humidity: 50% *All media must be loaded correctly. *Applicable when all print rollers available to the media width are used. *Slice margin: 25 mm or more for both the left and right margins. *Front margin: 35 mm or more *Excluding expansion/contraction of the media *Not assured when the print heater or dryer is used. *All correction or adjustment function of this machine has been made properly. *3 *Print lined: 1 m *4 *148 (3.93) menu item must be set to "ON/Off." *Range for assured repetition accuracy: *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 *5 *Provided that media length is under 3,000 mm *Excludes the effect of slanted movement and of expansion and contraction of the media. *6 *Data size: 1,000 mm in the media-feed direction, 1,000 mm in the carriage-reversal direction. *No limitation *Automatic detection of crop marks at 4 pins in other media is disabled. *When no cutting, [PRINTED] menu item must be set to "ON/Off." *Reducing possible shift caused by expansion/contraction of the media and/or by relaxing 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.

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).

Optional DU-640 heater and blower specifications	
Dryer unit	Heating type (with blower fan), setting range for the preset temperature: 30 to 55°C/86 to 130°F**
Power requirements*	AC 100 to 120V ±10%, 5 A, 50/60 Hz or AC 220 to 240 V ±10%, 3 A, 50/60 Hz
Power consumption	Approx. 650 W
Weight	26 kg (57 lb.)
Environmental	Power on
	Power off
Included items	Power cord, arms, bushing, cable clamps, stays, hexagonal wrench, bolts, washers (User's Manual)

*1 Warm-up is required after power-on. 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. *2 Be sure to connect the machine to an ungrounded electrical circuit, be sure to verify the amperage of the circuit breaker or fuse used.

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 reserves the right to make changes in specifications, materials or accessories without notice. Your actual output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your Roland dealer for details. No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. Adobe, PostScript, PostScript 3 and the PostScript logo are trademarks of Adobe Systems Incorporated. PANTONE® is the property of Pantone LLC. All other trademarks are the property of their respective owners. Reproduction or use of copyrighted material is governed by local, national, and international laws. Customers are responsible for observing all applicable laws and are liable for any infringement. Roland DG Corp. has licensed the MVP technology from the TPI Group.