Roland

Roland VersaCAMM VS-640
Wide Format Print/Cut Inkjet

Product Specification Guide		
	VS-640	
Printing method / Cutting method	Piezoelectric inkjet / Grit roller feed	
Acceptable media	Width	8.3 to 64 in. (210 to 1625 mm)	
	Thickness	Printing: Maximum 39 mil (1.0 mm) with liner	
		Cutting : 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 88 lb. (40 kg)	
	Core diameter[1]	2 in (50.8mm) or 3 in (76.2mm)	
Printing/cutting width[2]	Maximum 63 in (1600 mm)	
Ink cartridges	Type	Roland ECO-SOL MAX	
	Capacity	220/440 ml (± 5 ml)	
	Colors	8 Colors (CMYKLcLmWMt) 6 Colors (CMYKLcLm) 4 Colors (CMYK)	
Printing resolutions	Max 1440 dpi	
PRINT SPEEDS		Vinyl	Banner
4 Color	Billboard	--	248.6 sq ft/hr (23.1 sq m)
	High Speed	141 sq ft/hr (13.1 sq m)	190.5 sq ft/hr (17.7 sq m)
	Standard	117 sq ft/hr (10.9 sq m)	141 sq ft/hr (13.1 sq m)
	High Quality	51.6 sq ft/hr (4.8 sq m)	58 sq ft/hr (5.4 sq m)
6/8 Color	High Speed	68.9 sq ft/hr (6.4 sq m)	95.8 sq ft/hr (8.9 sq m)
	Standard	58 sq ft/hr (5.4 sq m)	68.9 sq ft/hr (6.4 sq m)
	High Quality	N/A	24.7 sq ft/hr (2.3 sq m)
Metallic Silver/White (High Quality Only)	White	24.7 sq ft/hr (2.3 sq m)	
	Metallic Silver	19 sq ft/hr (1.8 sq m)	
	White → CMYKMt	4 sq ft/hr (0.4 sq m)	
	CMYKMt → White	4 sq ft/hr (0.4 sq m)	
	CMYKLcLmMt	15 sq ft/hr (1.4 sq m)	
Acceptable blade tool	Roland CAMM-1 series cutter blade	
Cutting speed	0.4 (10 mm/s) to 23.6 in/s (600 mm/s) (0.4 to 11.8 in/s in media feed direction)	
Blade force	30 to 300gf	
Blade offset compensation	0.000 to 0.0591 in (0.000 to 1.500 mm)	
Software resolution (when cutting)	0.000984 in/step (0.025 mm/step)	
Distance accuracy (when printing)[3,4]	Error of less than ± 0.3 % of distance traveled, or ± 0.3mm (0.012 in), whichever is greater.	
Distance accuracy (When cutting)[3]	Error of less than ± 0.4% of distance traveled, or ± 0.3 mm (0.012 in), whichever is greater. When distance correction ([CUTTING MENU] -[CALIBRATION]) has been performed: error of less than ± 0.2 % of distance traveled, or ± 0.1mm (0.004 in), whichever is greater.	
Repetition accuracy (When cutting)[3,5]	±0.004 in (± 0.1mm) or less	
Alignment accuracy for printing and cutting[3,6]	±0.020 in (± 0.5mm) or less	
Alignment accuracy for printing and cutting when reloading media[3,7]	Error of less than ± 0.5% of distance traveled, or ± 0.012 in (3mm), whichever is greater	
Media Heating system[8]	Print Heater	Setting range for the preset temperature: 86 to 112ºF (30 to 45C)	
	Dryer	Setting range for the preset temperature: 86 to 122ºF (30 to 50C)	

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Media take-up system	Roll outer diameter	Maximum 7.1 in (180 mm)
	Roll weight	Maximum 66 lb (20 kg)
Interface		Ethernet (10 BASE-T / 100 BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power supply	110V	AC 100 to 120 V ±10%, 8.2A, 50/60 Hz or
	220V	AC 220 to 240 V ±10%, 4.2A, 50/60 Hz
Power consumption	During operation	Maximum 1,080W
	Sleep mode	Approx. 14.8W
Acoustic noise level	During operation	*64dB (A) or less*
	During standby	*40dB (A) or less*
Dimensions (with stand)[i]		101.3 [W] x 27.75 [D] x 43.5 [H] in (2573[W] x 705 [D] x 1105 [H] mm)
Weight (with stand)		286.6 lb. (130 kg)
Environment	Power on	Temperature: 59° to 90°F (15° to 32°C) (68°F [20°C] or more recommended), Humidity: 35 to 80% (no condensation)
	Power off	Temperature: 41° to 104°F (5° to 40°C), Humidity: 20 to 80% (no condensation)
Included items		Stand, power cord, blade, blade holder (XD-CH2), media clamps, replacement blade for sheet cutter, cleaning kit, Roland VersaWorks software RIP, User's manual, etc.

[i] The media holder of this device is designed exclusively for 3" core diameter media. To use 2" core media, please use provided media flanges

[2] The length of printing or cutting is subject to limitations of the software program used.

[3] Using Roland specified media, loaded correctly, temperature 77°F (25°C) and relative humidity: 50%, applicable when all available pinch rollers are used with 1" (25mm) or more in both right and left margins and 1.5" (35mm) or more margin in front, excluding expansion and contraction of the media. Results will vary when Printer/Dryer is used.

[4] Using Roland specified media, print travel of 3.3 ft (1 m)

[5] [PREFEED] menu must be set to "ENABLE"; applies to media over 2' (610mm) wide and 13.1' (4m) long or media less than 2' (610mm) wide and 26.2' (8m) long.

[6] Provided that media length is under 9.8' (3m), excluding a possible shift due to expansion/contraction of media and/or re-loading of the media.

[7] Using Roland specified media: (1m) in the media-feed direction, (1.6m) in the scan direction. No lamination. Automatic detection of crop marks at 4 points when media is loaded. During cutting, [PREFEED] menu must be set to "ENABLE", Temperature 77°F (25°C), excluding effects of slanted movement and expansion/contraction of media.

[8] Warm-up is required after power on. This may require 5 to 20 minutes, depending on the operating environment. The preset temperature may fail to be reached dependent on the ambient temperature and media width.

Versaworks System Requirements	
Operating system	Windows 7(32 & 64 bit, Ultimate/Business), Vista (32 & 64 bit, Ultimate/Business), XP (32 & 64 bit, Pro) *Latest service packs recommended*
CPU	Pentium 4, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card & monitor	1280 x 1024 resolution or greater recommended
Free Hard-disc space	40 GB or more recommended
Optical drive	DVD-ROM drive