Product Specification Guide

		LEC-540	LEC-330	LEC-300A
Printing method / Cutting method		Piezoelectric inkjet / Grit roller feed		
Acceptable media	Width	10.2 to 54 in. (260 to 1371 mm)	7.2 to 30 in. (182 to 762 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)	Maximum 7.1 in (180 mm)	
	Roll weight	Maximum 66 lb. (30 kg)	Maximum 44 lb. (20 kg)	
	Core diameter[1]	2 in (50.8mm) or 3 in (76.2mm)		
Printing/cutting width[2]		Maximum 53 in (1346 mm)	Maximum 29 in (736 mm)	
Ink cartridges	Type	Roland ECO-UV INK		
	Capacity	220 ml (± 5 ml)		
	Colors	6 colors (Cyan, Magenta, Yellow, Black, White and Gloss)		
	Configuration[3]	CMYK+Gloss+White, CMYK+White+White or CMYK+Gloss+Gloss		CMYK+Gloss+White
Ink curing unit		Dual UV LED Lamps		
Printing resolutions		360x720 dpi, 720x1080 dpi, 720x1440 dpi, 1440x1440 dpi	360x720 dpi, 720x720 dpi, 720x1440 dpi, 1440x1440 dpi	360x720 dpi, 720x720 dpi, 720x1440 dpi
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)[4,5,9]		Error of less than ± 0.3 % of distance traveled, or ± 0.012 in (0.3 mm), whichever is greater.		
Distance accuracy (when cutting)[4,9]		Error of less than ± 0.4% of distance traveled, or ± 0.012 in (0.3 mm), whichever is greater. When distance correction ([CUTTING MENU] -[CALIBRATION]) has been preformed: error of less than ± 0.2 % of distance traveled, or ± 0.004 in (0.1mm), whichever is greater.		
Repetition accuracy (When cutting)[4,6,9]		±0.004 in (± 0.1mm) or less		
Alignment accuracy for printing and cutting[4,7,9]		±0.020 in (± 0.5mm) or less		
Alignment accuracy for printing and cutting when reloading media[4,8,9]		Error of less than ± 0.5% of distance traveled, or ± 0.12 in (3mm), whichever is greater		
Media take-up system	Roll outer diameter	Maximum 8.3 in (210 mm)	Maximum 7.1 in (180 mm)	
	Roll weight	Maximum 66 lb. (30 kg)	Maximum 44 lb (20 kg)	
Interface		Ethernet (10 BASE-T / 100 BASE-TX, automatic switching)		
Power-saving function		Automatic sleep feature		
Power supply	Voltage and frequency	AC 100 to 240 V ± 10%, 50/60 Hz		
	Required power capacity	Maximum 5.5 A	Maximum 4.2 A	
Power consumption	During operation	Maximum 490W	Maximum 370W	
	Sleep mode	Approx. 15.3 W		Approx. 14.4W
Acoustic noise level	During operation	64dB (A) or less		
	During standby	40dB (A) or less		
Dimensions (with stand)		115.2[W]x44.1[D]x49.6[H] in (2925[W]x1120[D]x1260[H] mm)	86.6[W]x32.3[D]x49.6[H] in (2200[W]x820[D]x1260[H] mm)	
Weight (with stand)		496 lb. (225 kg)	390.2 lb. (177 kg)	
Environment	Power on	Temperature: 68° to 90°F (20° to 32°C) (72°F [22°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)		

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Included items	Same as LEC-330/300A plus crease tool (XD-CT) and an additional blade (ZEC-U3050)	Stand, power cord, blade (ZEC-U5022), blade holder (XD-CH2), media clamps, replacement blade for sheet cutter, cleaning kit, Roland VersaWorks software RIP, User's manual, etc.

[1] The media holder of this device is designed exclusively for 3" core diameter media. To use 2" core media, optional media flanges are required.

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

[3] Ink configuration must be selected upon purchase.

[4] 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 in (25 mm) or more in both right and left margins and 1.4 in (35 mm) or more margin in front, excluding expansion and contraction of the media, and all correction and adjustment functions of this machine have been made properly.

[5] Using Roland specified media, print travel distance: 3.3 ft (1 m).

[6] [PREFEED] menu item must be set to "ENABLE". Media: 9.8 ft (3,000 mm) long.

[7] Provided that media length is under 9.8 ft (3,000 mm) long, excluding possible shift due to expansion or contraction of the media and/or reloading of the media.

[8] Using Roland specified media: 3.3 ft (1,000 mm) in media feed direction, 53 in (1,346 mm) 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", excluding effects of slanted movement and expansion/contraction of media

[9] Applicable when neither the front table nor the rear table is used.

Roland VersaWorks System Requirements	
Operating System	Windows 7 Professional or Ultimate (32-bit), Vista Business or Ultimate Service Pack 1 (32-bit), Windows XP Professional Service Pack 2 or later, Windows 2000 Service Pack 4
CPU	Core 2 Duo, 2.0GHz or faster recommended
RAM	2GB or more recommended
Video card & monitor	1280 x 1024 resolution or greater recommended
Free hard disk space	40 GB or more recommended
Optical drive	DVD-ROM drive

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