

Roland VersaUV LEC-300 Wide Format Print/Cut UV InkJet

Product Specification Guide

| LEC-300 Specifications | | |
|---|-------------------------|---|
| Printing method / Cutting method | | Piezoelectric inkjet / Grit roller feed |
| Acceptable media | Width | 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 7.1 in (180 mm) |
| | Roll weight | Maximum 44 lb. (20 kg) |
| | Core diameter | 2 in (50.8mm) or 3 in (76.2mm) |
| Printing/cutting width ¹ | | 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 Clear) |
| Ink curing unit | | Dual UV LED Lamps |
| Printing resolutions | | 360x720 dpi (29 sqft/h), 720x720 dpi (15 sqft/h) , 720x1440 dpi (13.5 sqft/h) |
| 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 1.500 mm (0 to 0.0591 in) |
| Software resolution (when cutting) | | 0.000984 in/step (0.025 mm/step) |
| Distance accuracy (when printing) ² | | Error of less than ± 0.3 % of distance traveled, or ± 0.3mm (0.012 in), whichever is greater. |
| Distance accuracy (When cutting) | | 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 preformed: error of less than ± 0.2 % of distance traveled, or ± 0.1mm (0.004 in), whichever is greater. |
| Repetition accuracy (When cutting) ³ | | ± 0.1mm (0.004 in) or less |
| Alignment accuracy for printing and cutting ⁴ | | ± 0.5mm (0.020 in) or less |
| Alignment accuracy for printing and cutting when reloading media ⁵ | | Error of less than ± 0.5% of distance traveled, or ± 3mm (0.012 in), whichever is greater |
| Media take-up system | Roll outer diameter | Maximum 7.1 in (180 mm) |
| | Roll weight | 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 3.4 A |
| Power consumption | During operation | Maximum 320W |
| | Sleep mode | Approx. 23W |
| Acoustic noise level | During operation | 64dB (A) or less |
| | During standby | 40dB (A) or less |
| Dimensions (with stand) ⁶ | | 86.6 [W] x 32.3 [D] x 49.6 [H] in (2200[W] x 820 [D] x 1260 [H] mm) |
| Weight (with stand) | | 386 lb. (175 kg) |
| Environment | Power on | Temperature: 68° to 90°F (20° to 32°C), 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, Software RIP (Roland VersaWorks), User's manual, etc. |

¹ The length of printing or cutting is subject to the limitations of software program.

² With Roland PET film, print travel distance : 1 m, temperature: 77°F (25°C), humidity: 50%

³ Following conditions must be met: (1) Media type: media specified by Roland DG Corp.; (2) Roll media must be loaded on the shaft; (3) [PREFEED] menu item must be set to "ENABLE"; (4) Side margin: 25 mm or more on both sides; (5) Front margin: 35 mm or more (6) Excludes expansion/contraction of the media. Assured range for repetition accuracy: 3,000 mm.

⁴ Media length must be less than 3,000 mm, temperature: 77°F (25°F). Excludes possible shifts caused by expansion/contraction and/or reloading of the media.

⁵ Media type: Roland PET film; data size: 1,000 mm in media feed direction, 736mm in the carriage movement direction; no lamination; automatic detection of crop marks at 4 points when media is reloaded; [PREFEED] menu item set to "ENABLE" during cutting; temperature: 77°F (25°F). Excludes effects of slanted movement and expansion/contraction of the media.

⁶ When take-up is operating, an additional 3.2 in (80 mm) of clearance from the front edge of dancer roller is required.