



## Roland VP300 FAQs

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### **Q. What kind of printers are the VP digital printers?**

A. The VP printers are inkjet printers that use piezoelectric head technology and include an integrated cutter which is exclusive to Roland products.

### **Q. Are there any other costs associated with purchasing one of these machines?**

A. Since the machine comes complete with Roland VersaWorks, a custom designed RIP software, and includes a 1 year RolandCare service and support package, nothing else is needed to get started other than design software. Owners can use any design package that meets their needs including CorelDraw, Adobe Illustrator, Adobe Photoshop, FlexiSign or Cadlink SignLab.

### **Q. What is unique about the custom-designed RIP software that comes with these units?**

A. The VersaWorks™ RIP software was designed and developed by Roland specifically to optimize performance of our printers and printer/cutters. This full-featured RIP is extremely easy-to-use and supports a variety of file formats. The latest 2.2 version of the software includes several outstanding new productivity tools including Roland Color and Variable Data Printing. Roland Color allows users to quickly and easily color match vector graphics by offering pre-defined colour palettes that are easily loaded into Corel or Illustrator. Graphics designed using these palettes are automatically colour-matched in VersaWorks, offering 100% colour accuracy every time without the use of any additional tools or software. The Variable Data Printing option is a very easy-to-understand workflow to quickly customise and serialise jobs by marrying CSV data with Illustrator or Corel images right in VersaWorks. VersaWorks then allows for manipulation of this data (such as font changes or image rotation) before printing. These features are quite unique and a real benefit to users, especially those without any previous colour management experience.





## Roland VP300 FAQs

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### **Q. What ink type and colours do the VP's support?**

A. The VP printers are 4-colour (CMYK) inkjet printers that use Eco-Sol Max inks. Typically these inks do not require any specialist ventilation or extraction, so they can be safely used in an office or smaller shop environment. The ink is available in both 220 and 440 ml cartridges, and the units have a built-in tray for larger cartridge protection.

### **Q. Can the new VP printer/cutters print on a variety of substrates?**

A. These new units can print on a wide range of media because they use Roland Eco Sol Max ink. The primary media used will likely be uncoated banner and self adhesive vinyl. However, the printer is not limited to these substrates. ICC profiles from all the leading media manufactures are available to download from the Roland website. It is our aim to provide over one hundred third party profiles for the VP series by the middle of summer 2007.

### **Q. What type of maintenance do these machines require?**

A. As with all Roland printer/cutters using Eco-Sol Max inks, these new machines are very low-maintenance and designed to be run continually as production machines. There is no daily maintenance required and very few user replaceable parts.

### **Q. How many heads do these units use?**

A. The VP units have 4 piezo print heads consisting of one head per ink colour.





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### **Q. How many heaters do the VP units have?**

A. The VP units have 2 integrated print heaters. The first is a print heater used for expansion of pores in the media and enabling the Eco-Sol Max ink to bond with uncoated vinyl materials. The second, a post heater, is used to help dry the print.

### **Q. What is the print resolution of these new units?**

A. Maximum print resolution is 1440 dpi (720dpi x 1440dpi). There are also 5 other print modes as referenced in the FAQ above. These modes offer vivid solid colour printing for the best colour output per resolution.

### **Q. What is the maximum media width that the VP units can accommodate as well as print?**

A. The VP-540 can accommodate 54 inch wide media and can print up to 53 inches wide. The VP-300 accepts 30 inch wide media with 29 inches of printable width.

### **Q. What is the maximum media roll weight the VP units support?**

A. The VP-540 can now accommodate 30kg rolls, allowing for use of heavier and longer rolls of media such as 50m rolls of banner. The VP-300 still accommodates up to 20kg rolls.

### **Q. Are take-up units available for these units?**

A. A well designed new take-up system with automatic sensing and a self-tensioning roller bar is offered as an option. The new take up systems are priced at £1250 for the VP300 and £1450 for the VP540. These units give consistent and stable tensioning for a variety of print only jobs including high-speed banner production.





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### **Q. How do I connect the VP units to my computer?**

A. The VP units have Ethernet connectivity. You can connect them directly to a PC with a crossover cable or to an existing network using a standard patch cable.

### **Q. What is the cutting pressure of the VP units?**

A. The VP units have a range of cutting pressure from 30 grams to 300 grams of force. This allows for cutting a wide variety of substrates such as reflective vinyl and laminated graphics.

### **Q. What is the advantage of Print & Cut?**

A. The new VP units continue to offer the advantage of integrated printing and cutting in a single unit. This combined printing and contour cutting in a single device significantly improves production speed and ease of use. The units can be used as a printer on substrates such as banner and paper, as a cutter only for coloured vinyl and other cut only materials or as a combined printer and cutter. Combining the use as a printer and cutter means you can either print and then immediately cut graphics (which the software controls without manual intervention), or print graphics, remove them from the unit, laminate them, then put them back into the unit and cut them.

With our unique QUADRALIGN® registration system, you are assured that even when graphics are removed from the printer, the system adjusts for any stretch or skew. The system is simple, with printed registration marks that the printer reads with an optical eye then takes the position into consideration when cutting the graphics. Since the RIP software supports all these applications, there is no need to purchase additional software and/or realign your output on a separate cutter.





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**Q. What are the differences between the VP-540 and VP-300 printers?**

A. Both printers support print and cut applications and 4-colour CMYK printing, and offer some outstanding new features, but other than the obvious size difference, there are only minor specification differences including print speed.

