VersaCAMM SP-540V
Wide Format Inkjet Printer/Cutter

Frequently Asked Questions

Release & Price Information

Q. When will the SP-540V be available?

A. The SP-540V will begin shipping immediately.

Q. How much will the SP-540V cost?

A. List price for this larger and faster VersaCAMM printer/cutter is only $18,995, which includes Roland VersaWorks™; a fully functional software based Raster Image Processor (RIP).

SP-540V General Information

Q. What kind of printer is the SP-540V?

A. The SP-540V is an inkjet printer that uses piezoelectric head technology and includes an integrated cutter exclusive to Roland products. The Roland developed printer/cutter technology used in the SP-540V is engineered to produce print and cut graphics unattended.

Q. What ink type and colors does the SP-540V support?

A. The SP-540V is a 4 color (CMYK) inkjet printer that uses environmentally friendly Eco-SOL ink. Eco-SOL ink is a mild solvent ink that requires no additional ventilation equipment and can be safely used to print vibrant, long-term, outdoor-durable graphics on coated or uncoated media.

Q. Can the SP-540V print on a variety of substrates?

A. The SP-540V can print on a wide range of media. Because the SP-540V is an ECO-Sol ink printer, the primary media will be uncoated banner and adhesive vinyl. However, the printer is not limited to these substrates. Roland's complete line of Eco-SOL Media (ESM) provides ideal substrates for the diverse applications that can be produced using the SP-540V. In addition, the printer can produce stunning output using many of the other Roland media including Roland's Piezo Certified Media (PCM), SOLJET Certified Media (SCM) and Performance Guaranteed Media (PGM). Please visit our website (www.rolanddga.com) for a full list of compatible Roland media.

Q. How does the SP-540V handle printing on wider media or different media types?

A. The SP-540V has a total of 5 pinch rollers. There are 2 fixed conical pinch rollers at both ends of the bed with 3 removable pinch rollers in between for printing a variety of media including banner materials. Depending on the type of media, you can add or remove one or all of these pinch rollers for more efficient media feeding, especially during printing and cutting.

Q. What is Print & Cut?

A. The SP-540V combines printing and contour cutting in a single device to significantly improve production speed and ease of use. The unit can be used as printer, as a cutter or a combined printer / cutter. With the SP-540V, there is no need to purchase additional software and/or realign your output on a separate cutter.

Q. What is the difference between the SP-540V and the SC-540 EX printers?

A. Both printers have print and cut capability and use the same ink types, however the SP-540V utilizes 4 ink cartridges (CMYK) while the SC-540 EX uses two sets of 6 ink cartridges making it a 6 color (CMYKLcLm) printer. The included RIP software is also different for each unit. The SP-540V ships with the new Roland developed VersaWorks™ RIP while the SC-540EX ships with Roland ColorRIP®. Additionally, the SP-540V is a 4-color, dual-head printer with a maximum speed of 114 sq ft/hour. The SC-540EX uses six colors and a six-head configuration to yield a maximum speed of 300 sq ft/hour.

Q. What are the differences between the SP-540V and the SP-300 printers?

A. Both printers support print and cut applications and 4-color CMYK printing, but there are several differences. In addition to its greater width and speed, the SP-540V has been engineered for better media handling with an increase in the number of pinch rollers and the addition of the same rotary encoder media drive motor used in the Pro II EX series. This enhanced media feed system helps to dramatically improve image quality and reliability on the larger SP-540V. Roland's VersaWorks™ RIP and Ethernet connectivity for the SP-540V makes it workflow friendly for larger user environments. The SP-540V also has a more rugged chassis and uses the same stand as the Pro II models.

SP-540V Specifications

Q. How fast does the SP-540V print?

A. The SP-540V has a maximum print speed of 114 square feet per hour. Please refer to the chart below for specifications regarding print speeds in regard to resolution and passes.

Print Mode	Passes	Print Speed
High Speed Banner, 360x720	4 pass	114 sq ft/hr
High Speed Vinyl, 360x720	4 pass	66 sq ft/hr
Standard, 720x720	8 pass	32 sq ft/hr
High Quality, 1080x1080	18 pass	16 sq ft/hr
High Quality, 720x1440	16 pass	19 sq ft/hr

Q. What is the print resolution of the SP-540V?

A. Maximum print resolution is 1440 dpi. (720dpi x 1440dpi) There are also 4 other print modes as referenced in the chart above.

Q. What is the maximum media width that the SP-540V can accommodate as well as print?

A. The SP-540V can accommodate 54-inch wide media and can print up to 53 inches wide.

Q. What is the maximum media thickness that the SP-540V supports?

A. The maximum media thickness that the SP-540V can accommodate is 39 mil. (.039 inches or 1.0mm). To prevent potential head strikes when using thicker substrates the SP-540V features two adjustable head height positions. The clearance between the print heads and the platen is 0.12 inches (3.2mm) in the high position and 0.08 inches (2.2mm) in the low position.

Q. How many heads does the SP-540V have?

A. The SP-540V has 2 piezo print heads consisting of dual ink channels; the dual ink delivery channels make it possible to operate as a 4-color printer. The SP-540V uses the same heads as the SP-300 and Pro II EX models.

Q. How many heaters does the SP-540V support?

A. The SP-540V has 2 heaters. The first is a print heater used for expansion of pores in the substrate and enabling the Eco-SOL ink to adhere to uncoated media. The second, a post heater, is used to help dry the print.

Q. How do I connect the SP-540V to my computer?

A. The SP-540V has Ethernet connectivity. You can connect it 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 SP-540V?

A. The SP-540V has a range of cutting pressure from 30 grams to 300 grams of force.

Q. What is the blade offset range that SP-540V supports?

A. This SP-540V supports blades from the standard 45 degree blade with no offset to blades with as much as a 1.5 offset.