SOLJET PRO II
SJ-1000EX
Wide Format InkJet Printer

Frequently Asked Questions

Q. What is the maximum size of the media that can be used with the SJ-1000EX?

A. The maximum width of the media that can be fed through the SJ-1000EX is 104 inches. The maximum printable width is 102.33 inches. The maximum roll diameter is 9.8 inches and maximum core inner diameter is 3 inches. The maximum overall media weight is 220 pounds.

Q. How much is the SJ-1000EX?

A. The list price for the SJ-1000 EX is $69,995 (U.S. Dollars)

Q. What is the key sales message for the SJ-1000EX?

A. While there are many new features that set the SJ-1000EX apart, all of them deliver one overwhelming message: Production. The maximum print speed of the SJ-1000EX is 484 sq ft/hr. In addition to being fast, the Eco-SOL ink and tri-heating system make it possible to print on uncoated as well as coated media.

The High Density/Low Resolution Print Method plus feed and take up rollers that can accommodate media weighing up to 220 pounds allow you to print unattended at high speed without a decline in image density. All of these features add up to make the SJ-1000EX a truly production-oriented grand format printer.

Q. What is the print speed per each print mode?

A. The SJ-1000EX is capable of the following print modes and speeds:

Print Mode	Passes	Print Speed
360x360 dpi	1 pass	484 sq ft/hr
360x360 dpi	2 pass	355 sq ft/hr
360x720 dpi	4 pass	172 sq ft/hr
720x1440 dpi	6 pass	43 sq ft/hr

Q. What is the ink consumption level?

A. Using the red bass guitar image, the ink consumption is calculated at approximately 0.6ml/sqft.

Q. What are the power requirements of the SJ-1000EX?

A. The SJ-1000 EX requires a single 200-240V single-phase connection. The plug that ships with the printer is a 6-15p 250v/15A cable. Please refer to the SJ-1000EX specification sheet for detailed information.

Q. Does the printer come standard with a take-up roller or is it optional?

A. The SJ-1000EX comes standard with media feed and take-up rollers as part of the media feed system. The rollers are mounted at the front of the printer for more convenient media loading and can accommodate media weighing up to 220 pounds.

Q. Is the 220 ml per color ink set sufficient for unattended or overnight printing?

A. Internal tests have shown that the SJ-1000EX can print over 6 hours before having to replace ink cartridges. The tests were performed using images with both photographic images and spot color fills printing at 360x720 dpi at full scan. As with all inkjet devices, ink usage, image compilation and overall density will contribute to a variance in ink consumption.

Q. Will a bulk ink solution be developed for the SJ-1000EX and if so will it be compatible with the current SJ-1000EX?

A. Currently the only ink option available for the SJ-1000EX is the 220 ml ECOSOL ink cartridge. If a larger capacity ink cartridge or system is developed, it is our intention to make this option compatible with current model SJ-1000 EX printers.

Q. Is it possible to use the take-up roller even when printing in the high-speed mode?

A. The dryer that is part of the new Tri-Heater system on the SJ-1000EX effectively accelerates media drying and makes it possible to use the take-up roller when printing at high speed with many substrates. As with any printer, ink saturation and media type will contribute to varied results.

Q. What user precautions should I be aware of with the SJ-1000 EX?

A. Recommended operating temperature is 68-86° F (20-30° C). It is recommended to check the installation space and floor load for the weight requirement of the printer (printer width is 12'10"and weight is 1350 lbs). Also, the machine should be situated directly on a level surface for optimal performance. For more information refer to the SJ-1000 EX site survey.

Q. Can the SJ-1000EX print on all kinds of media?

A. As with the SOLJET PROII EX, it is possible for the SJ-1000EX to print on a wide variety of coated and uncoated media such as standard calendared vinyl and banner material.

Q. Is it possible to print on Roland ECO-SOL media?

A. Yes, the SJ-1000EX will print on all Roland ESM media. We will offer ICC profiles for the most popular media types.

Q. Why is the head arrangement CCMMYK (4 color) instead of 6 colors?

A. The SJ-1000EX takes advantage of double Magenta and Cyan heads for two reasons. First, Magenta and Cyan ink are weaker colors than Yellow or Black. Using two cartridges each of these two colors allows the SJ-1000EX to print a strong, vibrant color gamut even at a very high rate of speed.

Q. Will the SJ-1000EX ship with print software or will I need to purchase an additional RIP?

A. The SJ-1000EX ships with Roland COLORIP® (RCR) and connectivity software.

Q. Is it possible to print using the same ICC profiles that I currently use for the PRO II?

A. The SJ-1000EX utilizes a different head configuration than the Pro II. Therefore you will need to use the ICC profiles that we have created for the SJ-1000EX.

Q. Is there a warranty with the SJ-1000EX and if so how do I receive service for my printer?

A. The SJ-1000EX comes with a standard one-year on-site warranty. As with other Roland printers, the Roland Authorized Reseller responsible for selling the SJ-1000EX will also be responsible for servicing it. Support calls are handled by the dealer.
For details about service or warranties, please contact Roland DGA Customer Services via the web at www.Rolanddga.com or by calling 800-542-2370.

Q. What is the chief advantage of the SJ-1000EX in comparison with other grand format printers?

A. While the SJ-1000EX enjoys many unique production related strengths, including Eco-SOL ink, its media handling, Tri-Heating system, and Roland's legendary reliability, there is another major strength of the SJ-1000EX that sets it apart from other grand format printers (GFPs). Usability.

All grand format printers require head cleaning when starting and finishing operation. In most cases, 30-40 ml of the ink and solvent cleaning solution is used and this operation involves user interaction leading to increased labor and waste. The SJ-1000EX performs an automatic head cleaning upon powering up. When using other GFPs, it is necessary to clean the pumps when the operation ends. The SJ-1000EX doesn't require complicated end-of-operation cleaning which allows you to economically accommodate urgent requests and short-run orders from your customers.

The SJ-1000EX allows you to perform cleanings by pushing a button for true clean-hands operation without generating excess trash or having to wear gloves. Most other GFPs require a vacuum cleaner for cleaning while generating a lot of waste and mess for the operator.

At 484 sq ft/hour, the productivity of an SJ-1000EX is comparable to other grand format printers currently used in high production environments but, with the SJ-1000EX, you have the added benefit of lower maintenance without the requirement for costly ventilation equipment.

Q. Is the SJ-1000EX ENERGY STAR® compliant?

A. Yes. An ENERGY STAR® Partner, Roland DG Corp. has determined that the SJ-1000EX meets the ENERGY STAR® guidelines for energy efficiency. The printer is equipped with a power-saving feature that switches to a low-power sleep mode when a fixed interval passes with no operation. The factory default for the time after which the machine switches to the sleep mode is 30 minutes.