SOLJET PRO II V
SJ-1045
Wide Format InkJet Printer

Frequently Asked Questions

Q. What is the maximum size of the media that can be used with the SJ-1045?

A. The maximum width of the media that can be fed through the SJ-1045 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-1045?

A. The list price for the SJ-1045 is $59,995.00

Q. What is the key sales message for the SJ-1045?

A. While there are many new features that set the SJ-1045 apart, all of them deliver one overwhelming message: Production. The maximum print speed of the SJ-1045 in 4-color configuration 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 capacity ink system and robust media handling that can accommodate media weighing up to 220 pounds allow you to print unattended at high speed. All of these features add up to make the SJ-1045 a truly high-production grand format printer with unheard of reliability and easy of use.

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

A. The SJ-1045 is capable of the following print modes and speeds:

The following speeds are for CCMMYK ink configuration

Print Mode	Resolution	Pass	Speed
Billboard Banner	360x360	1 Pass	484 sfph
High Speed Banner	360x720	4 Pass	172 sfph
High Speed Vinyl	360x720	4 Pass	172 sfph
Standard Vinyl	360x720	8 Pass	86 sfph
Standard Banner	360x720	8 Pass	86 sfph
High Quality Banner	720x1440	8 Pass	57 sfph
High Quality Vinyl	720x1440	8 Pass	57 sfph
Artistic Vinyl Mode	1440x1440	16 Pass	36 sfph

The following speeds are for CMYKLcLm ink configuration

Print Mode	Resolution	Pass	Speed
Billboard Banner	450x360	2 Pass	316 sfph
High Speed Banner	360x720	4 Pass	172 sfph
High Speed Vinyl	360x720	4 Pass	172 sfph
Standard Vinyl	360x720	8 Pass	86 sfph
Standard Banner	720x720	8 Pass	86 sfph
High Quality Banner	720x1440	8 Pass	36 sfph
High Quality Vinyl	720x1440	8 Pass	36 sfph
Artistic Vinyl Mode	1440x1440	16 Pass	21 sfph

Q. What is the ink consumption level?

A. Using the red guitar photo for comparison purposes, ink consumption is approximately 0.6 ml/sqft.

Q. What are the power requirements of the SJ-1045?

A. The SJ-1045 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-1045 specifications for detailed information.

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

A. The SJ-1045 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. How does the high capacity ink system work?

A. When loaded with a total of 24 cartridges, the high capacity ink system allows for true high-production printing. Cartridges are installed vertically for maximum use of ink in each cartridge and the system includes a cartridge empty warning to alert the printer operator. With the high capacity ink system, cartridges can be replaced without pausing the SJ-1045, thus allowing for higher production and less downtime.

Configuration of cartridges in the high capacity ink system is dependant on whether the SJ-1045 is run in 4 or 6-color mode. In 6-color mode for high quality images (CMYKLcLm), the system is loaded with 4 cartridges per color. Running the SJ-1045 for the fastest production speeds in 4-color mode (CCMMYK), the high capacity ink system will have 8 cartridges each for Cyan and Magenta and 4 cartridges each for Yellow and Black.

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-1045 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, results may vary due to ink saturation and media type.

Q. What user precautions should I be aware of with the SJ-1045?

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-1045 site survey.

Q. Can the SJ-1045 print on any kind of media?

A. As with the SOLJET PRO II EX, it is possible for the SJ-1045 to print on a wide variety of coated and uncoated media including standard calendared vinyl and banner material.

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

A. Yes, the SJ-1045 will print on all Roland ESM media. We will offer ICC profiles for the most popular media types.

Q. Explain the difference between the 4 and 6-color setups on the SJ-1045?

A. The SJ-1045 can be configured with a either 4-color (CCMMYK) or 6-color (CMYKLcLm) setup. The 4-color mode has the advantage of running at faster production speeds without loss of color density. This allows the SJ-1045 to produce stunning graphics in short turn around for the outdoor market. The SJ-1045 in 6-color configuration will give higher image quality for stunning prints where viewing distance is shorter or subject matter demands.

Q. Will the SJ-1045 ship with print software or will I need to purchase an additional RIP?

A. The SJ-1045 ships with Roland VersaWorks RIP and connectivity software.

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

A. Although the head configuration is similar on all Roland PRO II V series printers, the SJ-1045 will need new profiles due to media configurations at this width. Roland DGA has all ready profiled our most popular media for the SJ-1045 and they are available on our web site www.rolanddga.com for downloading. The Roland VersaWorks RIP included with the SJ-1045 has an automatic upgrade feature which will download new profiles as they become available from the Roland site. All that is needed is a copy of the VersaWorks RIP and an active Internet connection.

Q. Is there a warranty with the SJ-1045 and how do I receive service for my printer?

A. The SJ-1045 comes with a Roland one-year on-site warranty. As with other Roland printers, the Roland Authorized Reseller responsible for selling the SJ-1045 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-1045 in comparison with other grand format printers?

A. While the SJ-1045 enjoys many unique production related strengths, including Eco-SOL INK, the high capacity ink system, its media handling, Tri-Heating system, and Roland's legendary reliability, there is another major strength of the SJ-1045 that sets it apart from other grand format printers (GFPs).

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-1045 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-1045 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-1045 performs head cleanings automatically and allows you to perform additional 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 in 4-color configuration, the productivity of an SJ-1045 is comparable to other grand format printers currently used in high-production environments but, with the SJ-1045, you have the added benefit of lower maintenance without the requirement for costly ventilation equipment.

Q. Is the SJ-1045 ENERGY STAR® compliant?

A. Yes. An ENERGY STAR® Partner, Roland DG Corp. has determined that the SJ-1045 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.