SJ-1045EX Specifications

Printing method		Piezo inkjet method
Acceptable media widths	While the print heater is running	1220 to 2641 mm (48 to 104 in.)
	While the print heater is not running	
Printing width		Maximum 2600 mm (102.3 in.)
Ink cartridges	Type	Exclusive ECO-SOL MAX cartridge
	Capacity	220 cc or 440 cc
	Colors	4 colors (cyan, magenta, yellow, and black) or 6 colors (cyan, magenta, yellow, black, light cyan, and light magenta)
Printing resolution (Printing dot resolution)		Maximum 1440 dpi
Distance accuracy (when printing) *¹*²		Error of less than ±0.3 % of distance traveled, or 0.3 mm, whichever is greater
Media take-up system	Roll outer diameter	Maximum 250 mm (9.8 in.)
	Roll weight	Maximum 100 kg (220 lb.)
Media feed system	Roll outer diameter	Maximum 250 mm (9.8 in.)
	Roll weight	Maximum 100 kg (220 lb.)
Heater		Preheater and print heater, setting range for the preset temperature: 35 to 50 °C (96 to 122 °F); and post heater, setting range for the preset temparature: 30 to 50 °C
Interface		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power supply	Voltage and frequency	AC 200 to 240 V ±10 %, 50/60 Hz
	Required power capacity	10 A
Power consumption	During operation	Approx. 2400 W
	Sleep mode	Approx. 55 W
Acoustic noise level	During operation	65 dB (A) or less (according to ISO 7779)
	During standby	40 dB (A) or less (according to ISO 7779)
Dimensions (With stand)		3894 (W) x 1159 (D) x 1394 (H) mm (153.4 (W) x 45.7 (D) x 54.9 (H) in.)
Weight (With stand)		455 kg (1003 lb.)
Environment	Power on	Temperature: 20 to 32 °C (68 to 89.6 °F), humidity: 35 to 80 % (no condensation)
	Power off	Temperature: 5 to 40 °C (41 to 104 °F), humidity: 20 to 80 % (no condensation)
Included items		Power cord, roll shafts, end caps, spacers, media reinforcement pipe, paper pipe, drain bottle, media gauge, media clamps, hexagonal wrenches, cap-unit tool, cleaning kit, cleaning liquid cartridges, software RIP, Roland-PrintServer CD-ROM, User's Manual, Setup Guide, Roland-PrintServer Network Settings Guide

*1 Using Roland specified media, print travel of 1m, preset temperature of 25 °C (77 °F), humiditiy of 50%   *2 Not assured when the print heater is used.   *3 Automatic rolling function can only be used during printing.
*4 The print heater temperature may not reach the preset temperature depending on ambient conditions or the width of the media. Unevenness in temperature may be larger depending on ambient conditions or the width of the media.

Optional IS-1000 High Capacity Ink Delivery System

Cartridge slots		24
Ink	Type	Exclusive ECO-SOL MAX
	Colors	4 colors (cyan, magenta, yellow, and black) or 6 colors (cyan, magenta, yellow, black, light cyan, and light magenta)
Power supply		AC adapter, Input: AC 100 V ±10 % 50/60 Hz 1.7 A, Output: DC 24 V 2.8 A
Power consumption		Approx. 35 W
Dimensions		732 (W) x 445 (D) x 433 (H) mm (28-7/8 (W) x 17-9/16 (D) x 17-1/16 (H) in.) (excluding the stay)
Weight		46 kg (102 lb.)
Environment	Power on	Temperature: 20 to 32 °C (68 to 89.6 °F), humidity: 35 to 80 % (no condensation)
	Power off	Temperature: 5 to 40 °C (41 to 104 °F), humidity: 20 to 80 % (no condensation)
Included items		Dedicated AC adapter, power cord, and User's Manual

Roland VersaWorks System Requirements

Operating system	Windows® 7 Professional or Ultimate (32-bit); Windows Vista® Business/Ultimate Service Pack 1 (32-bit); Windows Vista® Business/Ultimate (32-bit); Windows® XP Professional Service Pack 2 or later; or Windows® 2000 Service Pack 4
CPU	Core™ 2 Duo, 4 2.0 GHz or faster recommended
RAM	1 GB or more recommended (Windows7 and Vista: 2 GB or more recommended)
Video card and monitor	A resolution of 1,280 x 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

Options

ECO-SOL MAX MEDIA	SPVCB-1270	PVC banner, 1270 mm x 20 m (50" x 65')
	SVB-B-1270	PVC banner, blockout, 1270 mm x 20 m (50" x 65')
	SP-M-1270	Matte PET film, 1270 mm x 30 m (50" x 98')
	SFPLF-1300	Backlit film, 1300 mm x 30 m (51-1/8" x 98')
	SCM-GPPG-50-914	White glossy photo paper, 914 mm x 50 m (36" x 164')
	SCM-GVWG-40-1370	Monomeric calendered self adhesive vinyl white glossy-permanent adhesive, 1370 mm x 40 m (53-7/8" x 131')
	SCM-GVWG-40-1525	Monomeric calendered self adhesive vinyl white glossy-permanent adhesive, 1525 mm x 40 m (60" x 131')
ECO-SOL MAX INK	ESL3-4MG	Magenta, 440 cc
	ESL3-4YE	Yellow, 440 cc
	ESL3-4CY	Cyan, 440 cc
	ESL3-4BK	Black, 440 cc
	ESL3-4LC	Light Cyan, 440 cc
	ESL3-4LM	Light Magenta, 440 cc
	ESL3-MG	Magenta, 220 cc
	ESL3-YE	Yellow, 220 cc
	ESL3-CY	Cyan, 220 cc
	ESL3-BK	Black, 220 cc
	ESL3-LC	Light Cyan, 220 cc
	ESL3-LM	Light Magenta, 220 cc
Cleaning liquid	SL-CL	1 pc.
High capacity ink delivery system	IS-1000	1 set

Imagine.

Roland®

SolJet PRO II
Sign Maker by Roland DG Corporation

SJ-1045EX 104" Inkjet Printer

ISO 14001:2004 and ISO 9001:2008 Certified

Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland DG is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland DG constantly strives to provide the most highly reliable products available.

Roland®

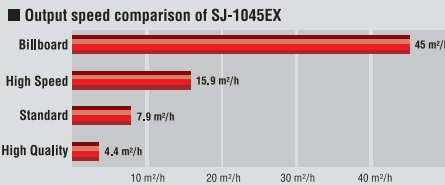**AUTHORIZED DEALER:**

www.rolanddg.com

The Clear Choice for Those Who Want It All

Introducing the SOLJET PRO II V SJ-1045EX, Roland's advanced 104" wide, eco-solvent inkjet printer. With its award-winning inkjet technology, the SJ-1045EX is the ultimate standard for producing banners and all advanced grand-format applications.

HARDWARE
V TECHNOLOGY
SOFTWARE

The Choice for Quality

Roland V Technology produces high quality even at high speeds. In 360 x 360 dpi Billboard print mode, the SJ-1045EX can print a 104"-wide banner in 4-color CMYK at up to 45m²/h (484sqft/h). Primary colors remain crisp and vivid. Photos and illustrations retain their sharpness.

■ Output speed comparison of SJ-1045EX

Billboard	45 m²/h
High Speed	15.9 m²/h
Standard	7.9 m²/h
High Quality	4.4 m²/h

10 m²/h 20 m²/h 30 m²/h 40 m²/h

The Choice for Precision

A true 1440 x 1440 dpi Artistic print mode makes the PRO II V ideal for large reproductions of artwork and photographs. This mode allows you to optimize Roland's acclaimed printing technology, which uses Piezo print heads and digital servomotors to precisely control droplet placement in both the print head travel and paper feed directions.

1440 dpi   Piezo   Variable Dot   6 Color ink CMYK

The Choice for Top Professionals

The SJ-1045EX features Roland VersaWorks, powerful and comprehensive software RIP designed by Roland to take full advantage of the company's award-winning inkjet technology. With advanced features including profiles for both low-priced uncoated media and high-quality Roland Certified ECO-SOL MAX media, VersaWorks ensures optimum performance to meet your customer's every demand. VersaWorks Media Explorer allows you to customize settings to manage media, colors and artwork layout for your SOLJET PRO II V inkjet. VersaWorks is compatible with genuine Adobe® PostScript® 3™, ensuring smooth and natural gradations. An automatic online update feature delivers the latest VersaWorks version and profiles directly to your computer.

Roland VersaWorks®
RIP & PRINT MANAGEMENT SOFTWARE
Adobe® PostScript® 3™

SOLJET PRO II V
Sign Maker by Roland DG Corporation
SJ-1045EX

The Choice for Versatile, Scratch-Resistant Performance

ECO-SOL MAX features significant enhancements including faster drying time, improved scratch resistance, higher density, wider color gamut and superior performance on both coated and uncoated substrates including 150 types of low-cost uncoated media. Low-maintenance ECO-SOL MAX is virtually odorless, and does not require any special ventilation or environmental equipment. Choose ECO-SOL MAX for crisp graphics that last up to three years outdoors without lamination.*

*Three years outdoor durability is based on accelerated weather tests conducted by Roland DG. Results may vary depending upon location and application.

ECO-SOL MAX

The Choice for Flexibility

When it comes to media, Roland V Technology delivers the flexibility you need for optimum performance and cost efficiency. Choose from commercially available uncoated media for excellent print quality at lower production costs. Or select Roland's genuine ECO-SOL MAX Media for the very finest print quality, available for both outdoor and indoor applications. More than 100 ready-to-use printing profiles are available at www.rolanddg.com to ensure pleasing results with minimal effort.
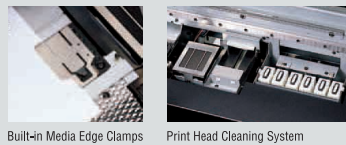
The Choice for Increased Productivity

The SOLJET PRO II V features a powerful built-in heating system equipped with three components: a pre heater, print heater and dryer. When used with ECO-SOL MAX ink, this unique system offers many benefits including superior ink bonding, accelerated drying time and more vivid colors for outstanding print quality. Build your business with exceptional SOLJET performance.

The Choice for Optimum Results

The SJ-1045EX includes a full range of additional hardware features designed to maximize performance:

● The optional high capacity ink delivery system holds a total ink volume of over 10 liters.
● A heavy-duty media handling system is included.
● A 3-position lever enables you to adjust print head height to accommodate media thickness ranging from canvas or banner material to fine films.
● Built-in media edge clamps prevent print defects due to media curling.
● A sheet cutter makes trimming media as easy as pushing a button.
● A media counter allows you to record and track the amount of media remaining on a roll and print this information on the media itself.
● The print head cleaning system keeps print heads in top condition for long-term use.

Built-in Media Edge Clamps   Print Head Cleaning System

Media width 104"

SJ-1045EX
● 104" 6-color CMYKLcLm or 4-color CMYK printer with optional IS-1000 high capacity ink delivery system