

ADVANCED JET AJ-1000i/AJ-740i

SOLJET PRO III XJ-740/XJ-640

Specifications	ADVANCED JET		SOLJET PRO III	
	AJ-1000i	AJ-740i	XJ-740	XJ-640
Printing technology	Piezoelectric inkjet			
	Width		210 to 1625 mm (8.3 to 64 in.)	
	Thickness		Maximum 1.0 mm (39 mil) with liner	
	Roll outer diameter		Maximum 210 mm (8.3 in.)	
	Roll weight		Maximum 47 kg (103 lb.)	
Media	Core diameter		76.2 mm (3 in.)	
	Printing width		Maximum 1869 mm (73.6 in.) *1	
	Types		Exclusive Roland ECO-SOL MAX cartridge	
	Capacity		220 cc or 440 cc	
	Colors		6 colors (cyan, magenta, yellow, black, light cyan, and light magenta) or 4 colors (cyan, magenta, yellow, and black)	
Ink cartridges	Printing resolution (dots per inch)		Maximum 720 dpi	
	Distance accuracy		Error of less than ±0.3 % of distance traveled, or ±0.3 mm, whichever is greater *2	
	Media heating system *4		Preheater and print heater, setting range for the preset temperature: 35 to 60°C (95 to 140°F) Heating method (Used in combination with the blower fan), setting range for the preset temperature: 35 to 60°C (95 to 140°F)	
	Media take-up system		Maximum 250 mm (9.8 in.)	
	Roll weight		Maximum 100 kg (220 lb.)	
Connectivity	Ethernet (10BASE-T/100BASE-TX, automatic switching)		Ethernet (10BASE-T/100BASE-TX, automatic switching)	
	Power-saving function		Automatic sleep	
	Power requirements		Printer: AC 200 to 240 V ±10 %, 10 A, 50/60 Hz Dryer: AC 200 to 240 V ±10 %, 10 A, 50/60 Hz	
	Power consumption		Approx. 1600 W	
	Acoustic noise level		Approx. 60 W	
Dimensions (with stand)	During operation		Approx. 47 W	
	Sleep mode		70 dB (A) or less	
	During operation		64 dB (A) or less	
	During standby		45 dB (A) or less	
	Weight (with stand)		4299 (W) x 1115 (D) x 1413 (H) mm (169.3 (W) x 43.9 (D) x 55.7 (H) in.)	
Environmental	Power on		Temperature: 20 to 32°C (68 to 90°F) humidity: 35 to 80 % (no condensation)	
	Power off		Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80 % (no condensation)	
	Accessories		Temperature: 15 to 32°C (59 to 90°F) (20°C [68°F] or more recommended), humidity: 35 to 80 %RH (non-condensing)	
	Accessories		Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80 %RH (non-condensing)	
	Accessories		Power cords, roll shafts, end caps, spacers, media reinforcement pipe, paper tube, drain bottle, media gauge, media clamps, hexagonal wrenches, Head-unit tool, cleaning kit, syringe, tube, maintenance liquid cartridge, software RIP, Roland-PrintServer CD-ROM, User's Manual, Setup Guide, Roland-PrintServer Network Settings Guide	

*1 The length of printing is subject to the limitations of the program.
*2 At Roland PET film, print travel: 1 m, temperature: 20°C (68°F), humidity: 50 %, not assured when the print heater or dryer is used.
*3 At Roland PET film, print travel: 1 m, temperature: 25°C (77°F), humidity: 50 %, not assured when the print heater or dryer is used.
*4 Warm-up is required after power-on. This may require 5 to 20 minutes, depending on the operating environment. Depending on the ambient temperature and media width, it may not reach a preset temperature.

Roland VersaWorks System Requirements

Operating system	Windows® 8 Pro (32/64-bit); Windows® 7 Professional/Ultimate (32/64-bit); Windows Vista® Business/Ultimate (32/64-bit edition), or Windows XP Professional Service Pack 2 or later (32/64-bit)
CPU	Core™ 2 Duo, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card and monitor	A resolution of 1280 x 1024 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

*Roland VersaWorks® is a 32-bit application, which runs on 64-bit Windows® with WoW64 (Windows 32-bit on Windows 64-bit).

Options for Advanced JET AJ-1000i/AJ-740i

EcoXtreme i Ink	AI3-MG	Magenta, 1000 cc
	AI3-YE	Yellow, 1000 cc
	AI3-CY	Cyan, 1000 cc
	AI3-BK	Black, 1000 cc
	AI3-LC	Light cyan, 1000 cc
EcoXtreme LT Ink	AI4-LM	Light magenta, 1000 cc
	AI4-MG	Magenta, 1000 cc
	AI4-YE	Yellow, 1000 cc
	AI4-CY	Cyan, 1000 cc
	AI4-BK	Black, 1000 cc
Cleaning liquid	AI-CL	1 pc. 1000 cc
	AI-ML	1 pc. 500 cc

Options for SOLJET PRO III XJ-740/XJ-640

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
Cleaning liquid	SL-CL	1 pc. 220 cc
	DU-740	For XJ-740
Heater and blower	DU-640	For XJ-640

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.



Roland reserves the right to make changes in specifications, materials or accessories without notice. Your actual output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your Roland dealer for details. No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. Adobe, PostScript, PostScript 3 and the PostScript logo are trademarks of Adobe Systems Incorporated. All other trademarks are the property of their respective owners. Roland DG Corp. has licensed the MMP technology from the TPL Group.





With Rich, Vivid Color

Powerful Performance



- 1 Photorealistic skin tones
- 2 Flawless fine art giclees
- 3 Custom wall coverings
- 4 High-impact event posters
- 5 Beautiful outdoor banners
- 6 Vivid color backlits
- 7 Bold, colorful POP displays
- 8 Durable outdoor signs



- 1 Dynamic, durable billboards
- 2 High-density images on flexible face media
- 3 Spectacular fleet graphics and wraps
- 4 Exquisite custom retail decor
- 5 Exceptional soft signage for easy, effective event promotion
- 6 Rich, dense colors for superior tradeshow exhibits
- 7 Corporate advertising with impact
- 8 Stunning window displays

Exceptional Speed and Image Quality

The SOLJET PRO III XJ series is offered in 64" and 74" models, combining high-speed performance and superior image quality for the ultimate in six- or four-color digital printing.

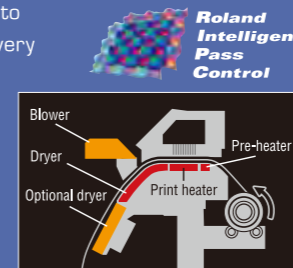


Optimum Productivity and Low Running Costs

Available in 64" and 74" models, the six-color (CMYKLCm) or four-color (CCMMYK) XJ series builds on Roland's renowned SOLJET technology to achieve exceptional image quality at higher print speeds. With a maximum print speed of 42.6m²/hr (458.61sqft/hr), the XJ is designed for production printing of indoor and outdoor graphics including banners, signs, point of purchase displays, vehicle graphics, backlit displays, event graphics and more. The XJ series supports a wide variety of media including vinyl, banner, photo paper, poster paper and canvas. For even greater productivity, the XJ features an automated maintenance system that saves valuable ink and time, resulting in lower overall running costs. The XJ's in-line print head configuration eliminates the need for lengthy calibration procedures as well.

Outstanding Visual Impact

The XJ series prints at up to 1440 x 1440 dpi resolution in dense, rich colors for indoor and outdoor graphics that look great up close and at a distance. Thanks to Roland Intelligent Pass Control technology, the XJ has been optimized to achieve unparalleled image quality in every print mode and produces flawless skin tones, high-contrast images, and solid colors with no traces of banding even at the highest print speeds. A built-in tri-heater system increases media receptiveness for maximum ink brightness and fastness.



Exceptional Print Quality with ECO-SOL MAX Ink

ECO-SOL MAX eco-solvent ink delivers high color density and a wide gamut for exceptional images print after print. ECO-SOL MAX performs on a wide range of both coated and uncoated media, including backlit film, for increased versatility. Fast-drying and scratch-resistant, ECO-SOL MAX produces prints that dry quickly for easy handling throughout the production and finishing processes. Packaged in no-mess 220 and 440 cc cartridges, ECO-SOL MAX is virtually odorless for maximum convenience and comfort.



Added Features for Maximum Performance

The XJ series offers numerous advanced features for high-volume printing. Rigid construction and a heavy-duty take-up system support large media rolls weighing up to 47kg (103.6lbs). Easy access media shafts make it convenient to load even the heaviest media. Additional system enhancements include improved pinch rollers, grit rollers and additional grit power for flawless media feeding and tracking. Extended built-in media edge clamps prevent media curling and ragged edges. Media flanges are included as well for precision media tracking through long unattended production runs. A high-speed network board supports rapid data transfers, and an optional dryer/blower unit further expedites the production process.



Powerful VersaWorks RIP Software

Included in both the AJ-i and XJ series, Roland VersaWorks RIP was written from the ground up to be easy to use while offering advanced features including the Max Impact color management preset, the Roland Color System for precision spot color matching, and Variable Data Printing for custom prints with variable data.



Default preset features fine gradations for close-up viewing.

Max Impact provides vivid colors for outdoor signs.

The Max Impact preset produces deeper, more vivid blues and reds, the fundamental colors for outdoor graphics, while preserving the overall color balance required for beautiful, photorealistic images. Or you can choose the default preset to faithfully reproduce human skin tones, pastel as well as natural colors, and metallic surfaces with superb gradations. Built on an Adobe Postscript engine, VersaWorks includes a wide variety of convenient layout, edit and print functions, and allows users to import files from popular design programs and preview jobs on screen. VersaWorks also includes more than 150 ICC profiles for reliable results the first time and every time. The Roland@NET automated update feature ensures ongoing access to the latest VersaWorks version and profiles available.



SOLJET PRO III XJ-740/XJ-640



- 74" XJ-740**
● 74" 6-color CMYKLCm or 4-color CCMMYK wide-format inkjet printer
- 64" XJ-640**
● 64" 6-color CMYKLCm or 4-color CCMMYK wide-format inkjet printer

