

 Roland®

Power and Prestige in a
Grand Format Printer


ADVANCED JET
ROLAND GRAND FORMAT PRINTER **AJ-1000**

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ADVANCED JET AJ-1000 Features:

- 104" eco-solvent inkjet printer for fast, high-volume production printing.
- Achieves a maximum print speed of 90m²/h (968 sqft/hr).*
Delivers superior image quality at 45m²/h (484 sqft/hr).
- Durable new EcoXtreme ink produces dense, rich colors in CMYK+Lc+Lm for brilliant outdoor banners and vehicle graphics.** 
- Heavy-duty take-up system supports rolls up to 100kg (220.5lb) for a wide variety of media.
- Auto maintenance system ensures reliable performance and easy, hassle-free operation.



* The highest-speed production mode may not be suitable for all applications.
** To minimize odor, Roland recommends that you provide adequate ventilation in the work area.

Photo: **ADVANCED JET AJ-1000**



AJ-1000 Specifications

Printing method	Piezo inkjet	RIP	Roland VersaWorks software RIP	
Loadable media width	1220 to 2641 mm (48 to 104 in.)	Maintenance	Auto maintenance system *3	
Printable area	Maximum width: 2600 mm (102.3 in.)	Connectivity	Ethernet (10BASE-T/100BASE-TX, automatic switching)	
Ink	Type	Power-saving function	Automatic sleep feature (compliant with the International ENERGY STAR® Office Equipment Program)	
	Capacity			1000 cc/cartridge
	Colors			6 colors (cyan, magenta, yellow, black, light-cyan, and light-magenta)
Resolution	Maximum 720 dpi	Power supply	Voltage and frequency	
Printing speed	360 x 360 dpi, 2 pass, Bi/Uni	45 m ² /h / 30 m ² /h	Printer: AC 200 to 240 V ±10%, 50/60 Hz	
	360 x 720 dpi, 4 pass, Bi/Uni	24 m ² /h / 16 m ² /h	Dryer: AC 200 to 240 V ±10%, 50/60 Hz	
	720 x 720 dpi, 8 pass, Bi/Uni	12 m ² /h / 8 m ² /h	Printer: 10 A, Dryer: 10 A	
Distance accuracy *1	Error of less than ±0.3% of distance traveled, or 0.3 mm, whichever is greater	Power consumption	During operation	
Media take-up system	Roll outer diameter	Maximum 250 mm (9.8 in.)	Printer: Approx. 1600 W, Dryer: Approx. 2300 W	
	Roll weight	Maximum 100 kg (220 lb.)	Sleep mode	
Media feed system	Roll outer diameter	Maximum 250 mm (9.8 in.)	Approx. 60 W	
	Roll weight	Maximum 100 kg (220 lb.)	Acoustic noise level	
Media dryer *2	Heating method (used in combination with the blower fan), setting range for the preset temperature: 35 to 60°C (95 to 140°F)		During operation	
	Preheater and print heater, setting range for the preset temperature: 35 to 50°C (95 to 122°F)		Printer: 70 dB (A) or less (according to ISO 7779)	
Ink-fixing device *2			During standby	
			40 dB (A) or less (according to ISO 7779)	
		Dimensions	4299 (W) x 1115 (D) x 1413 (H) mm (169.3 (W) x 43.9 (D) x 55.7 (H) in.)	
		Weight	598 kg (1319 lb.)	
		Environmental	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, 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 At Roland FET film, print travel: 1m, temperature: 20 °C (68 °F), humidity: 50%, not assured when the media heating system is used.

*2 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.

*3 Manual cleaning of print heads and caps is required approximately every two weeks. This time frame may vary depending on the operating environment and level of use.

Roland VersaWorks System Requirements

Operation system	Windows XP Service Pack 1 or later or Windows 2000 Service Pack 4
CPU	Computer with Pentium 4, 2.0 GHz or faster recommended
RAM	1 GB or more recommended
Free hard-disk space	1 GB or more recommended

Options

EcoExtreme ink	AI-MG	Magenta, 1000cc	Cleaning liquid	AI-CL	1 pc. 1000cc
	AI-YE	Yellow, 1000cc	Maintenance liquid	AI-ML	1 pc. 500cc
	AI-CY	Cyan, 1000cc			
	AI-BK	Black, 1000cc			
	AI-LC	Light cyan, 1000cc			
	AI-LM	Light magenta, 1000cc			

An **ENERGY STAR**® Partner, Roland DG Corporation has determined that this product meets the **ENERGY STAR** guidelines for energy efficiency.

ENERGY STAR is a U.S. registered mark.



ISO 14001 and ISO 9001:2000 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.



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