Roland®

The Power of Grand Format Printing

ADVANCED **JET**

ROLAND GRAND FORMAT PRINTER 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).*1
  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.*2

- Prints beautifully on banner, paper and vinyl, and on unlined mesh media with an optional
  Mesh Printing Unit.

- 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.

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

Photo: *AdvancedJet AJ-1000*

Adobe® PostScript® 3™

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	Exclusive EcoXtreme ink	Power-saving function		Automatic sleep feature
	Capacity	1000 cc/cartridge	Power supply	Voltage and frequency	Printer: AC 200 to 240 V ±10%, 50/60 Hz
	Colors	6 colors (cyan, magenta, yellow, black, light-cyan, and light-magenta)			Dryer: AC 200 to 240 V ±10%, 50/60 Hz
Resolution		Maximum 720 dpi		Required power capacity	Printer: 10 A, Dryer: 10 A
Printing speed	360 x 360 dpi, 2 pass, Bi/Uni	45 m²/h / 30 m²/h	Power consumption	During operation	Printer: Approx. 1600 W, Dryer: Approx. 2300 W
	360 x 720 dpi, 4 pass, Bi/Uni	24 m²/h / 16 m²/h		Sleep mode	Approx. 60 W
	720 x 720 dpi, 8 pass, Bi/Uni	12 m²/h / 8 m²/h	Acoustic noise level	During operation	70 dB (A) or less (according to ISO 7779)
Distance accuracy *1		Error of less than ±0.3% of distance traveled, or 0.3 mm, whichever is greater		During standby	40 dB (A) or less (according to ISO 7779)
Media take-up system	Roll outer diameter	Maximum 250 mm (9.8 in.)	Dimensions		4299 (W) x 1115 (D) x 1413 (H) mm (169.3 (W) x 43.9 (D) x 55.7 (H) in.)
	Roll weight	Maximum 100 kg (220 lb.)	Weight		598 kg (1319 lb.)
Media feed system	Roll outer diameter	Maximum 250 mm (9.8 in.)	Environmental	Power on	Temperature: 20 to 32°C (68 to 89.6°F), humidity: 35 to 80% (no condensation)
	Roll weight	Maximum 100 kg (220 lb.)		Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80% (no condensation)
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)	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
Ink-fixing device *2		Preheater and print heater, setting range for the preset temperature: 35 to 50°C (95 to 122°F)			

*1 At Roland PET 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

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

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.

Roland®

AUTHORIZED DEALER:

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