Power and Prestige in a Grand Format Printer

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

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*

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

*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

EcoXtreme 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			

Roland®

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