



The Power of  
Grand Format Printing

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

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## Features:

- 104" eco-solvent inkjet printer for fast, high-volume production printing.
- Achieves a maximum print speed of 90m<sup>2</sup>/h (968 sqft/hr).<sup>\*1</sup>  
Delivers superior image quality at 45m<sup>2</sup>/h (484 sqft/hr).
- Durable new EcoXtreme ink produces dense, rich colors in CMYK+Lc+Lm for brilliant outdoor banners and vehicle graphics.<sup>\*2</sup>
- 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.

**EcoXtreme**



\*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: **ADVANCED JET AJ-1000**

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| AJ-1000 Specifications |                               |                                                                                                                              |                                                                                  |
|------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| Printing method        |                               | Piezo inkjet                                                                                                                 | RIP                                                                              |
| Loadable media width   |                               | 1220 to 2641 mm (48 to 104 in.)                                                                                              | Maintenance                                                                      |
| Printable area         |                               | Maximum width: 2600 mm (102.3 in.)                                                                                           | Connectivity                                                                     |
| Ink                    | Type                          | Exclusive EcoXtreme ink                                                                                                      | Power-saving function                                                            |
|                        | Capacity                      | 1000 cc/cartridge                                                                                                            | Automatic sleep feature                                                          |
|                        | Colors                        | 6 colors (cyan, magenta, yellow, black, light-cyan, and light-magenta)                                                       | Printer: AC 200 to 240 V ±10%, 50/60 Hz<br>Dryer: AC 200 to 240 V ±10%, 50/60 Hz |
| Resolution             |                               | Maximum 720 dpi                                                                                                              | Power supply                                                                     |
| Printing speed         | 360 x 360 dpi, 2 pass, Bi/Uni | 45 m <sup>2</sup> /h / 30 m <sup>2</sup> /h                                                                                  | Voltage and frequency                                                            |
|                        | 360 x 720 dpi, 4 pass, Bi/Uni | 24 m <sup>2</sup> /h / 16 m <sup>2</sup> /h                                                                                  | Required power capacity                                                          |
|                        | 720 x 720 dpi, 8 pass, Bi/Uni | 12 m <sup>2</sup> /h / 8 m <sup>2</sup> /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                                                                |
| Media take-up system   | Roll outer diameter           | Maximum 250 mm (9.8 in.)                                                                                                     | During operation                                                                 |
|                        | Roll weight                   | Maximum 100 kg (220 lb.)                                                                                                     | Sleep mode                                                                       |
|                        | Roll outer diameter           | Maximum 250 mm (9.8 in.)                                                                                                     | Approx. 60 W                                                                     |
| Media feed system      | Roll weight                   | Maximum 100 kg (220 lb.)                                                                                                     | Acoustic noise level                                                             |
|                        |                               |                                                                                                                              | During operation                                                                 |
| 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 standby                                                                   |
| Ink-fixing device *2   |                               | Preheater and print heater, setting range for the preset temperature: 35 to 50°C (95 to 122°F)                               | Dimensions                                                                       |
|                        |                               |                                                                                                                              | Weight                                                                           |
|                        |                               |                                                                                                                              | Environmental                                                                    |
|                        |                               |                                                                                                                              | Power on                                                                         |
|                        |                               |                                                                                                                              | Power off                                                                        |
|                        |                               |                                                                                                                              | Included items                                                                   |

\*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

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Printed in Japan. RDG-416007399 '07 JAN. E-3 G-S

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