

# Roland AJ-740

## Product Information Guide

### Overview

Introducing the AJ-740, the newest addition to the AdvancedJET line of high-speed industrial inkjet printers and an outstanding productivity tool for any high-volume shop.

Like the 104" AJ-1000, the new 74" AJ-740 is the fastest printer in its class. The AJ-740 delivers an impressive maximum print speed of 872 sqft./hr. and offers a precision print mode of 473 sqft./hr., making it ideal for high-volume printing of banners, billboards, vehicle and fleet graphics, and other outdoor signage.

Featuring six ultra-wide piezo print heads and an advanced precision firing pattern, the AJ-740 produces brilliant CMYKcLm graphics on both coated and uncoated media with excellent results at even the highest print speeds. The optional MU-740 Mesh Printing Unit allows for easy direct printing onto economical unlined mesh media.

Unlike other industrial printers, the AJ-740 can be kept running around the clock with very little maintenance and fine tuning. Easy setup and operation define the ownership experience from the very first print. Automated maintenance eliminates the need for daily manual cleanings while keeping heads, caps and wipers performing optimally. Enjoy worry-free unattended printing with the AJ-740's high capacity ink delivery system and advanced media handling and take-up system supporting up to 220 lb. rolls.



A complete solution, the AJ-740 includes powerful VersaWorks RIP software, packed with advanced features including Variable Data Printing and spot color matching through the Roland Color System. EcoXtreme ink offers superior bonding, and scratch and alcohol resistance for outstanding outdoor durability. For optimum long-term performance, Roland backs every AJ-740 with its two-year warranty, the industry's longest bundled service and support contract.

Choose the AdvancedJET AJ-740 whenever productivity, reliability and outdoor durability are required.

### Key Features Include

- 74" Wide
- Blazing Print Speeds
- Piezo Print Head Technology for Outstanding Print Quality
- Durable EcoXtreme ink
- High-Capacity Ink Delivery System
- Automated Intelligent Maintenance System
- Advanced Tri-Heater and Blower System
- Heavy-Duty Media Feed and Take Up System
- Powerful VersaWorks RIP Software
- Two-Year Trouble-Free Warranty
- Optional Mesh Printing Unit - \$2,995
- Optional Air Scrubbing System
- AdvancedJET also offered in 104" grand-format model, the AJ-1000

### Blazing Print Speed

With a maximum print speed of 872 sqft./hr and a precision mode of 473 sqft./hr, the AJ-740 excels at high-volume printing. The AJ-740 produces brilliant six-color graphics for banners, billboards, vehicle and fleet graphics and other outdoor durable graphics on both coated and uncoated media – including economical unlined mesh.

Printing Speeds		
Billboard	180 X 360	872 sfph (81 sq m/h)
High-Speed	360 X 360	473 sfph (44 sq m/h)
Standard	360 X 720	237 sfph (22 sq m/h)
High Quality	720 X 720	118 sfph (11 sq m/h)

### Piezo Print Technology for Outstanding Image Quality

The AJ-740 features six super-wide, 3" piezo print heads for high-speed, high-density printing in every print mode. Roland's unique precision firing pattern has been optimized for the AJ's piezo print heads to achieve unparalleled image quality. The AJ-740 offers a maximum print resolution of 720 x 720 dpi.



AJ-740 graphics reflect superior ink bonding, scratch resistance and alcohol resistance for easy handling through the production and finishing processes and outstanding durability outdoors. For optimum performance across a wide range of media, the AJ-740 features three print head heights that can be easily adjusted for printing on media up to 4 mil thick. The AJ-740 also features a new high-contrast print mode that produces deeper, more vivid blues and reds while preserving the overall color balance. High-density EcoXtreme inks image well even on flexible face media, and two new light ink control profiles ensure top quality on both glossy and matte vinyl.

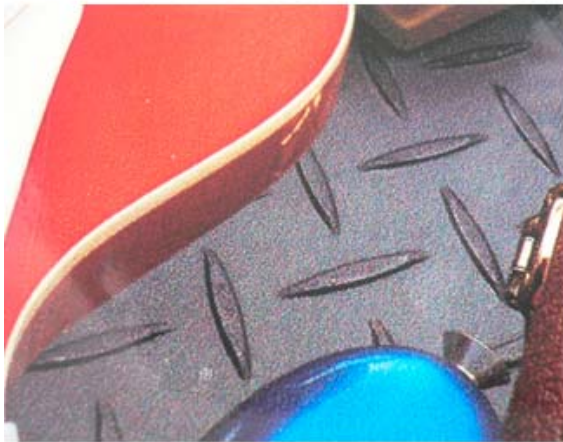
### **Durable EcoXtreme Ink**

Roland EcoXtreme ink was developed exclusively for the AdvancedJET series to provide outstanding color density, wider gamut and rugged durability. Available in six colors (CMYK+LcLm), EcoXtreme ink produces vibrant images even in high-speed production modes on both coated and uncoated media.

EcoXtreme is particularly well suited for vehicle graphics and volume banner production, offering exceptional bonding with uncoated banner substrates and tarpaulin, as well as enhanced scratch and alcohol resistance for extended outdoor durability.

### **Light Ink Control**

Roland's unique Precision Firing Pattern has been optimized for the AJ-740 to achieve unparalleled image quality on vinyl applications by employing Light Ink Control, resulting in superior print quality.



**Without Light Ink Control**



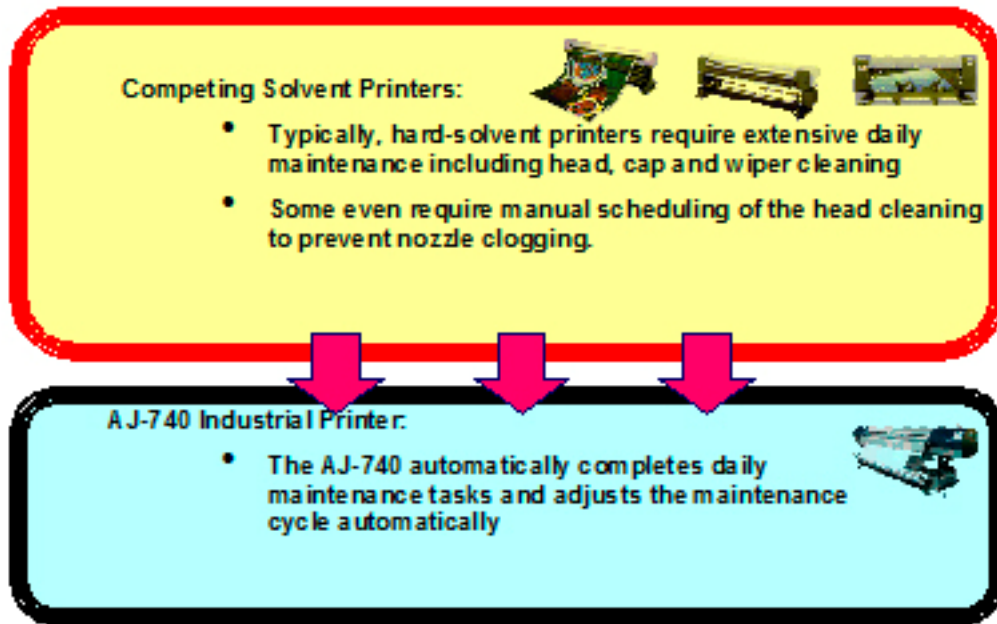
**With Light Ink Control**

### **High-Capacity Ink Delivery System**

The AJ-740 comes equipped with high-capacity 1-liter ink cartridges for seamless unattended printing. An advanced ink delivery system allows replacement of cartridges without pausing.

### **Automated Intelligent Maintenance System**

Operational costs for the AJ-740 are low compared to other industrial printers due to an innovative automated intelligent maintenance system that saves ink and reduces down time. This advanced system performs routine maintenance tasks automatically, eliminating the need for time-consuming daily manual cleanings. The AJ-740's maintenance system even adjusts the maintenance schedule automatically depending on the room temperature. As a result, manual cleaning around the print head and capping station is required only every two weeks.



### Heavy-Duty Media Feed and Take Up System

The AJ-740 includes an automated media feed and take-up system to facilitate precision unattended printing. This pre-assembled unit includes convenient front-mounted feed and take-up rollers and an advanced tension-controlled take-up system that together ensure correct media feed and tracking through the longest production runs. The system handles rolls weighing up to 220 lbs.



### Advanced Tri-Heater and Blower System

The AJ-740 features an integrated tri-heater system and blower that make both high-speed printing and take-up possible. The heating system consists of three elements. A pre-heater opens pores in the media to improve its receptiveness. The print heater accelerates ink fastness and brightness by ensuring the ink is absorbed. Finally, the dryer and blower accelerate ink drying for better productivity, workability and scratch resistance.

### **Roland VersaWorks RIP**

Built upon the genuine Adobe® PostScript® CPSI™ RIP engine, VersaWorks is a powerful RIP software written from the ground up to be easy to use, even for those who are not familiar with digital printing, and still offer advanced features. VersaWorks is now better than ever, upgraded with powerful new features including Roland Color, Roland's exclusive spot color matching system, and Variable Data Printing, allowing users to merge txt or CSV data fields within a pre-defined design template for custom prints with variable text and graphics.



VersaWorks also offers a variety of layout, edit and print functions that increase productivity. With VersaWorks, users can preview jobs on screen and take advantage of two job queues for handling different print conditions. Users can also automatically update VersaWorks through the Internet, ensuring that they always have the latest software version and Roland DGA ICC profiles available. VersaWorks is compatible with Windows® XP Professional, 2000 and Windows Vista™.

### **Two-Year Trouble-Free Warranty**



Roland inkjets combine unbeatable performance with legendary Roland reliability. As further proof of their unmatched reliability, Roland is pleased to offer an unprecedented Two-Year Trouble-Free Warranty for AJ Series printers when they are equipped exclusively with Roland inks.

### **Optional Mesh Printing Unit**

The AJ-740's versatility can be further enhanced with the optional MU-740 Mesh Printing Unit for economical unlined mesh media. Custom engineered for the AJ-740, the unit is easy to attach and detach and features a built-in drainage system for easy removal of excess ink.

Popular for a variety of indoor and outdoor applications, mesh banner is particularly well suited for graphics that may be exposed to excessive wind or any graphic calling for a unique sheer look. Unlined mesh offers many advantages over lined mesh including a lower cost per square foot. In addition, unlined mesh is easier to print, handle and transport, and it does not generate liner waste.



Optional MU-740 for mesh media.

### **Optional Captivair Air Scrubbing System**

Modifying existing HVAC systems can be both complicated and expensive. For our AdvancedJET customers, we are pleased to recommend the Captivair System, custom-engineered for the AJ-740. The Captivair system proactively captures fumes, odors and VOCs right at the source. The unique Captivair hood design removes solvent fumes and re-circulates the purified air into the room for a comfortable work environment.

The Captivair System for the AJ-740 will be available in September of 2007.

### **104" Model Also Available**

For shops requiring grand-format capabilities, Roland offers the 104" AdvancedJET AJ-1000. The AJ-1000 combines all the advanced features of the AJ-740 into a larger, more powerful platform. As Roland's fastest printer, the AJ-1000 delivers a maximum print speed of 968sqft/hr in billboard mode.

## **Summary**

The AdvancedJET AJ-740 is the ultimate printer for power users everywhere. Recommend this unit to large commercial and mid-level shops, and to any business moving into the high-volume production market. No competing printer on the market today offers the high production speeds, quality imaging,

rugged outdoor durability and easy, automated maintenance engineered into the AJ-740. And no other comparable printer offers Roland's two year warranty and legendary reputation for reliability, service and support.