

Imagine.



VersaArt
RA-640



Think Art

Discover the Fine Art of Aqueous Printing

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Express your artistic vision beautifully with the superior imaging of our newest print head technology. Achieve faster print speeds and impressive color reproduction for premium graphics on demand. Affordable, yet advanced, the VersaArt RA-640 places high-fidelity print quality within your reach.

Reproduce every detail with the industry's most advanced print head

For flawless print quality, the RA-640 is equipped with the latest print head technology, featuring variable droplet control. Its unique design produces droplets of seven different sizes to accentuate all of the fine details in your image. The result is high-density printing with vibrant colors, flawless photographic reproduction, smooth gradations and superb contrast.



Selecting from seven different droplet sizes to reproduce the fine details

Conventional Roland DG model printing VersaArt RA-640 printing



Think

High productivity and exceptional print quality

With the RA-640, you get all the benefits of our eight-channel mirrored ink configuration, which eliminates the color unevenness that can occur during bi-directional printing. This configuration (CMYKKYMC) delivers unmatched color consistency, even in high speed mode up to 33 m²/h. Roland Intelligent Pass Control® further enhances image quality by precisely controlling dot placement between passes for images that are virtually free of banding.



For accurate color reproduction at all print speeds, the CMYKKYMC configuration applies inks in the same order for both passes.

RA-640 throughput

360x720 dpi/2pass	33 m ² /h
540x360 dpi/3pass	21 m ² /h
720x720 dpi/4pass	16 m ² /h
720x720 dpi/5pass	13 m ² /h

Automated maintenance features ensure print quality

Maintaining the RA-640 is easy. An automated cleaning function keeps the print head in optimal condition, ensuring consistent ink jetting. A dual-wiping system, featuring a standard wiper and additional side wiper, effectively removes dust and debris from the print head to reduce maintenance requirements. An included Jam Guard protects the print head from media jams or collisions.

Unmatched service and support

Roland DG Creative Center : Our own collection of real-world applications is a great source of information and inspiration. Explore our digital printing gallery for new ideas you can apply to your own business.



Roland DG Academy : To get the most from your printer, take advantage of our extensive training resources worldwide. Roland Academy teaches everything from printer basics to advanced production techniques, applications and more.



Roland DG Care : As a Roland owner, you get complete support for the life of your printer. A full range of customer services is offered.





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Specifications

Printing Technology		Piezoelectric inkjet
Media	Width	259 to 1625 mm (10.2 to 64 in.)
	Thickness	Maximum 1.0 mm (39 mil) with liner, for printing
	Roll outer diameter	Maximum 210 mm (8.3 in.)
	Roll weight	Maximum 40 kg (88 lb.)
	Core diameter *1	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing width *2		Maximum 1615 mm (63.6 in.)
Ink cartridges	Types	Roland FPG aqueous ink 220-cc cartridge
	Colors	Four colors (cyan, magenta, yellow, and black)
Printing resolution (dpi)		Maximum 1440 dpi
Distance accuracy *3		Error of less than $\pm 0.3\%$ of distance traveled, or ± 0.3 mm, whichever is greater
Media heating system *4		Print heater, setting range for the preset temperature: 30 to 45°C (86 to 112°F) Dryer, setting range for the preset temperature: 30 to 50°C (86 to 122°F)
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 120 V $\pm 10\%$, 8.2 A, 50 / 60 Hz or AC 220 to 240 V $\pm 10\%$, 4.2 A, 50 / 60 Hz
Power consumption	During operation	Approx. 1080 W
	Sleep mode	Approx. 14.8 W
Acoustic noise level	During operation	64 dB (A) or less
	During standby	41 dB (A) or less
Dimensions (with stand)		2,575 (W) x 705 (D) x 1,175 (H) mm (101.4 (W) x 27.8 (D) x 46.3 (H) in.)
Weight (with stand)		135 kg (298 lb.)
Environmental	Power on	Temperature: 15 to 32°C (59 to 90°F) [20°C [68°F] or more recommended], humidity: 35 to 80%RH (non-condensing)
	Power off	Temperature: 5 to 40°C (41 to 104°F), humidity: 20 to 80%RH (non-condensing)
Included items		Exclusive stands, power cord, media clamps, media holder, replacement blade for separating knife, User's Manual, etc.

*1 The media holder of this machine is exclusive use for the media of paper tube (core) inner diameter 3 inches. To use 2 inches media, the optional media flanges are required. *2 The length of printing is subject to the limitations of the program. *3 Using Roland specified media, print travel of 1m, temperature: 25°C (77°F), humidity: 50%RH, not assured when the print heater or dryer is used. *4 Warm-up is required after power up. This may require 5 to 20 minutes, depending on the operating environment. The preset temperature may fail to be reached depending on the ambient temperature and media width.

Optional media take-up system



TU2-64

Offered as an optional upgrade, the RA-640's heavy-duty take-up system supports media rolls weighing up to 30kg(66lbs.). This finely-tuned system winds your media flawlessly, preserving print quality through even the longest runs.

Roland DG products that feature this environmental label meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.



As 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.



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