

EJ-640 DECO

Water-Based Decoration Printer

**ECOLOGICAL PRINT
FOR INTERIOR DECORATION**



 **Roland**

Introducing the
EJ-640 DECO
Water-based decoration printer

The EJ-640 DECO. Designed for décor.

Master the beautiful, profitable world of customised interior décor with the Roland EJ-640 DECO, an ecological water-based wide-format printer designed for creativity. The EJ-640 DECO is the perfect partner for interior design studios, commercial decorators, web-to-print suppliers, wallpaper manufacturers and sign makers looking to digitally print stunning wallpaper, wall coverings, blinds, lampshades and a host of other on-demand customised interior decoration applications for home and commercial spaces.



GROW YOUR BUSINESS WITH THE EJ-640 DECO

The versatile EJ-640 DECO can unlock a vast number of profitable market possibilities that other printing technologies alone simply can't deliver, including:

BUSINESS AND INDUSTRIAL ENVIRONMENTS



HOSPITALITY



RETAIL



PUBLIC PLACES



HEALTHCARE



RESIDENTIAL AND CONSUMER



ECO-FRIENDLY, SUSTAINABLE PRODUCTION

Reflecting the growing eco-consciousness in B2B and B2C markets and the demand for products that are sustainable yet affordable and on-trend, the EJ-640 DECO is the ultimate eco-friendly printer - with no compromise on the quality or durability of your prints.

- Odourless, water-based ink for use in even the most sensitive locations, such as schools and hospitals.
- Ink supplied in convenient cartridges for minimal waste.
- High-density ink means more efficient ink consumption.
- Long-lasting precision printheads are designed to last years.
- Low-temperature curing reduces power consumption and increases compatibility with eco-friendly sustainably-sourced media, including non-coated, PVC-free papers.

LOW PRODUCTION COSTS FOR MAXIMUM PROFIT

The EJ-640 DECO is the most economical décor solution on the market, with the potential to reduce your costs by an average of up to 50% on ink alone. Cut your costs even further – the EJ-640 DECO delivers truly stunning results on more economical media so you can reduce overheads with no compromise on quality.

STUNNING QUALITY

Expect outstanding quality prints from your dual CMYK EJ-640 DECO printer, with a maximum resolution of 1440 dpi with Variable Dot Control for smooth gradations and deep image saturation.

EJ-640 DECO INK IS ACCREDITED FOR MAXIMUM SAFETY, ECOLOGY AND PERFORMANCE BY THE INDUSTRY'S MOST WIDELY RECOGNISED AND RIGOROUS CERTIFICATION PROGRAMMES.



Rated A+ (very low emission) - AgBB criteria for health-related evaluation of VOC outgassing for indoor use.



Highly washable, UV- and fade-resistant when colours are exposed to light. Conforms with EN15102.



OEKO-TEX® ECO PASSPORT certified - meeting strict requirements for sustainability, safety and compliance with statutory regulations.



The EJ-640 DECO is compatible with FSC-approved sustainably-sourced media.

The EJ-640 DECO is CE and REACH certified. Plus, Roland DG's international ISO certifications are your added assurance of quality products and service.

INCREDIBLE VERSATILITY FOR A HOST OF INTERIOR DÉCOR APPLICATIONS

Whether you're a print service provider or web-to-print graphic supplier looking to expand into new profitable applications; a wallcovering manufacturer wanting to differentiate with on-demand, eco-luxe collections; a designer looking to bring production in-house to reduce lead times; or an interior decorator with an eye on the latest trends, the EJ-640 DECO is compatible with a range of medias to create a host of stunning décor applications to make home, corporate and public spaces unique.

The EJ-640 DECO also delivers fast-drying prints with no outgassing for true same day finishing - ideal for time-critical projects and a range of interior and exterior graphics applications.

POWERED BY VersaWorks 6 RIP SOFTWARE

For the ultimate in intuitive, efficient production, the EJ-640 DECO is powered by the latest VersaWorks 6 RIP software, with a unique combination of practical built-in features to increase productivity without compromising on quality or eco-friendliness.





EJ-640 DECO

Specifications

Printing technology		Piezoelectric inkjet
Media	Width	259 to 1625 mm (10.2 to 64 in.)
	Thickness	Max. 1.0 mm with liner
	Roll diameter	Max. 210 mm (8.3 in.)
	Roll weight	40 kg (88 lb)
	Core diameter * 2	76.2 mm (3 in.) or 50.8 mm (2 in.)
Printing/cutting width *3		Max. 1615 mm (63.6 in.)
Ink	Type	INKU DECO, water based resin ink
	Capacity	500 cc Cartridge
	Colours	4 colours (Cyan, Magenta, Yellow, Black)
Print resolution (dots per inch)		Max. 1440 dpi
Distance accuracy *4		Error of less than $\pm 0.3\%$ of distance travelled, or ± 0.3 mm, whichever is greater
Media heating system *5		Print heater and preheater set temperature: 30 to 45°C (86 to 113°F). Dryer set temperature: 30 to 55°C (86 to 131°F)
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 120 V $\pm 10\%$, 11 A, 50/60 Hz or AC 220 to 240 V $\pm 10\%$, 5.5 A, 50/60 Hz
Power consumption	During operation	1450 W
	During standby	75 W
Acoustic noise level	During operation	62 dB (A) or less
	During standby	45 dB (A) or less
Environment	Power on	Temperature: 15 to 32°C (59 to 90°F) [20°C (68°F) or more recommended], Humidity: 35 to 80%RH (no condensation)
	Power off	Temperature: 5 to 40°C (41 to 104°F). Humidity: 20 to 80%RH (no condensation)
Dimensions (with stand)		2750 (W) x 785 (D) x 1520 (H) mm (108 x 31 x 59.9 in.)
Weight (with stand)		220 kg (485 lb)
Included items		VersaWorks 6 RIP software, take-up system, dedicated stands, power cable, media clamps, media holders, replacement blade for separating, user's manual, etc.

*1 INKU DECO inks have an outdoor life of 2 years. Actual performance will be determined by media.

*2 The media holder for this machine is exclusively designed for media rolls with a paper tube measuring 76.2 mm (3 in.) in diameter. To use 50.8 mm (2 in.) media rolls the optional media flanges are required.

*3 The length of the production run is subject to the limitations of the software program.

*4 Media type: Media specified by Roland DG Corporation. Temperature: 25°C (77°F), humidity: 50% Roll media must be loaded correctly. Excluding expansion/contraction of the media. Not guaranteed when the preheater, print heater, or dryer is used. Assume all correction and adjustment functions of this machine have been made properly. Print travel: 1 m.

*5 Warm-up is required after the power is turned on. This may require 5 to 20 minutes, depending on the operating environment. Depending on the ambient temperature and media width, the preset temperature may not be reached.

Accessories

Model	Description
INKU-DECO-500-CY	INKU DECO Water based resin ink, Cyan 500 cc Cartridge
INKU-DECO-500-MG	INKU DECO Water based resin ink, Magenta 500 cc Cartridge
INKU-DECO-500-YE	INKU DECO Water based resin ink, Yellow 500 cc Cartridge
INKU-DECO-500-BK	INKU DECO Water based resin ink, Black 500 cc Cartridge
11849102	Sheet cut blades, 25 pcs
ESRS7921	Ergosoft Roland Edition Special Plus
EJ DECO Maintenance Kit	Maintenance kit for EJ-640 DECO

VersaWorks 6 System Requirements

Operating system	Windows® 10 (32/64-bit), Windows® 8.1 (32/64-bit), Windows® 7 Professional / Ultimate (32/64-bit)
CPU	Intel® Core™2 Duo, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card and monitor	A resolution of 1280 x 1024 or more recommended
Free disk space (HDD/SSD)	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive
Other	Internet connection recommended

Specifications, designs and dimensions listed may be subject to change without notice.

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