

Imagine.

Roland®

VersaUV
LEJ-640F

SIZE MATTERS

Flatbed printing onto rigid & flexible substrates up to 150mm in height.

Roland DG's VersaUV LEJ-640F wide format machine is the standard for high quality flatbed printing. Capable of printing CMYK plus white and gloss inks onto both rigid and flexible substrates up to 150mm (6 inches) in height and 200kgs in weight, the LEJ-640F truly outperforms traditional CMYK-only machines. It offers printers and sign makers the real flexibility needed to produce the broadest range of creative, high quality and profitable applications, including outdoor and indoor signage, POS displays, exhibition graphics and packaging prototypes.



Prints up to

1600mm wide x 2500mm length x 150mm height

Promotional Printing



Retail Point-of-Sale



Varnishing Effects



Advertising Materials



Specialty inks add value and enhance your creativity

The LEJ-640F outperforms traditional CMYK printers with the addition of white and clear inks that together open up a new world of design opportunities. With high-opacity white ink, you can print crisp, bright text and graphics on a range of coloured and transparent materials. Clear ink can be layered into striking gloss and matt finishes. More than 70 ready-to-apply patterns are included in Roland's Texture Library.



Versatility

The LEJ-640F can print onto an extensive range of rigid and flexible substrates. These include foam PVC, aluminium panels, cardboard, fluted and corrugated boards, acrylics, polyurethane, polycarbonate, polystyrene and polypropylene, as well as flexible self-adhesive vinyl, PET and PVC banner. The low temperature UV-LED lamps also mean that you can print onto heat sensitive media.

Superior Material Handling

The LEJ-640F has a powerful vacuum bed that can be divided into zones for ease of material handling and productivity, with its fully-automated, built-in sensor automatically determining the relevant print head height for each job.

UV-LED lamps increase productivity while lowering costs

The LEJ-640F features the latest generation UV-LED lamps, designed to cure Roland ECO-UV inks. This state-of-the-art curing system is safe to use, low temperature and requires very little power to operate. Lamps last up to 10,000 hours. The LEJ-640F LED curing lamps automatically reposition themselves for optimum image quality in each print mode.

*The life span of Roland UV-LED lamps may vary due to temperature and printing conditions.

Choose from 3 different ink configurations

CMYK + Clear ink + White ink



CMYK + Clear ink + Clear ink



CMYK + White ink + White ink



Specifications

Printing method	6 heads piezo, UV LED	
Acceptable media	Dimensions *1	Width 1,660mm, Length 2,580mm (extendable) *2
	Thickness	Up to 150mm (6")
	Weight	Max 200Kg
Printing area	Width 1,600mm, Length 2,500mm	
Ink cartridges	Type	ECO-UV 220cc
	Colours	Cyan, Magenta, Yellow, Black, White and Gloss
Vacuum system	Turbine	2.2kW (three-phase) with silencing system
	Partition	5 selectable areas (mm): 750 x 550, 800 x 1100
Interface	Ethernet Base 10/100	
Printing resolution	up to 1440 DPI	
Movements	Stepping motors 24,000 pulse/mm	
Distance accuracy	Error of less than ± 0.3% of distance travelled, or ± 0.3 mm (25°C)	
Repetition on horizontal repositioning	± 0.01 mm	
Control panel	LCD B/N 6 inches	
Print media settings	Continuous, Unload sheet, Return to origin, 3D layers	
Media height detection	Manual / Automatic optical (laser) for opaque materials	
Surface security check	Optical (laser barrier)	
Power requirements	AC 380V three-phases (3+GND) - Switch Plug 16A 50/60Hz	
Power consumption	With vacuum	2,700 W
	Sleep mode	150 W
Acoustic noise level	With vacuum	< 70 dB
Air requirements	Pressure	from 4 to 7 bar
	Volume*3	< 3 litres/hour
Environment	Power on	Operation temperature: 20-32 °C, Humidity 35-80% (no condensation)
	Power off	Operation temperature: 5-45 °C, Humidity 20-80% (no condensation)
Max dimensions	3,184(L) x 3,283(P) mm	
Shipment dimensions packed	Shipment	2,225(L) x 3,283(P) mm
Printing bed height	895mm	
Weight	Total	1,000Kg
	Distribution	on 4 points diameter 120mm (1510 x 2910 mm)

*1 functional dimensions of vacuum bed.

*2 not covered length, out of printing unit.

*3 Depends on number of starts of vacuum system, the air is used only for the valve commands.

The usage of the machine is limited only to those instructed and trained by Roland.

Roland VersaWorks System Requirements

Operating system	Windows® 8 Professional/Ultimate (32-bit); Windows Vista® Business/Ultimate (32-bit edition), Windows XP Professional Service Pack 2, Windows 7 or later (32-bit)
CPU	Core™2 Duo, 2.0 GHz or faster recommended
RAM	2 GB or more recommended
Video card and monitor	A resolution of 1,280 x 1,024 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

LEJ-640F print modes and speeds

Print mode	Print Speed
High quality	4.1 m²/h (44.1 sqft/hr)
Standard	5.5 m²/h (59.4 sqft/hr)
High Speed	12.4 m²/h (133.1 sqft/hr)

Printed in CMYK, bi-directional

Options	Model	Description
ECO-UV Ink	EUV-MG	Magenta, 220cc
	EUV-YE	Yellow, 220cc
	EUV-CY	Cyan, 220cc
	EUV-BK	Black, 220cc
	EUV-WH	White, 220cc
	EUV-GL	Gloss, 220cc
Cleaning liquid	SL-CL	1 pc.

This product is available in Europe only.



Vaporised components may slightly irritate the eyes, nose and/or throat during and following printing with this product. If continuously printing in a closed space, the density of volatile compositions will accumulate and may irritate the eyes, nose and/or throat. Roland strongly recommends that you install a ventilation system and use this product in a well-ventilated room. For more information, please contact your local distributor or dealer.

About White Ink

Due to the nature of white ink, the pigment will settle in the cartridge and ink flow system, requiring you to shake the cartridge before each use.

Roland reserves the right to make changes in specifications, materials or accessories without notice. Your actual output may vary. For optimum output quality, periodic maintenance to critical components may be required. Please contact your Roland partner for details. No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. Customers are responsible for observing related laws and ordinances if printed materials will be in direct contact with food or beverage. Adobe, PostScript, PostScript 3 and the PostScript logo are trademarks of Adobe Systems Incorporated. All other trademarks are the property of their respective owners. Roland DG Corp. has licensed the MMP technology from the TPL Group.