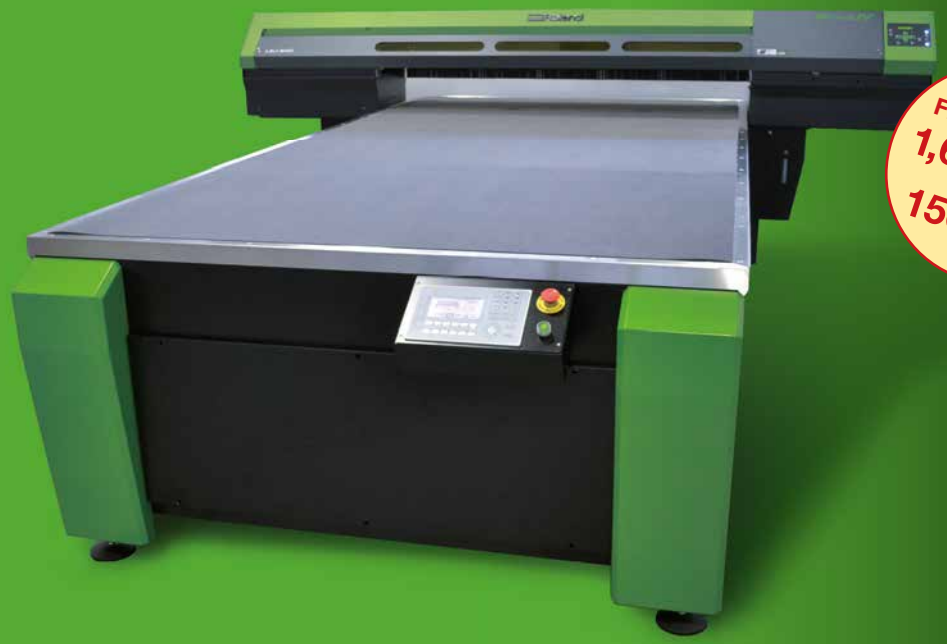
Imagine. Roland®

VersaUV LEJ-640F

Flatbed printing onto rigid and flexible substrates up to 15cm thick

Based on the award-winning VersaUV technology, the VersaUV flatbed LEJ-640F prints CMYK plus white and clear inks onto both flexible materials and rigid substrates up to 15cm thick. With the LEJ-640F, you can print white on a variety of clear substrates for text and graphics that stand out. Layers of clear ink create custom patterns and embossing effects, perfect for premium brands. With a wide bed size of 1.6 by 2.5m, the LEJ-640F lets you explore a wide range of applications with just one device, from packaging prototypes and POP to wide-format signage and window displays.



Roland Texture System Library

UV LED

Adobe PostScript 3

RIP & PRINT MANAGEMENT SOFTWARE
Roland VersaWorks®

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 material. Clear ink can be layered into striking gloss and matte finishes. More than 70 ready-to-apply patterns are included in Roland's VersaWorks Texture System Library.

Versatility

The LEJ-640F can print on a wide range of materials; rigid, flexible and sheets. These include polyurethane, polystyrene, polypropylene, cardboard, aluminium panels, fluted and corrugated boards and acrylics. It's also possible to print on sheets of flexible material such as self adhesive vinyl, polycarbonate, PET, polyethylene and PVC banner. The versatility and ease of use allows the operator to deliver many types of applications from one device.

Advanced technology

A fully-automated, built-in sensor determines the relevant print head height for each job, allowing for the thickness of the media to be printed. This feature prevents head strikes and ensures reliable, high-quality printing up to 1440 x 1440 dpi across the widest range of substrates with weights up to 200Kgs. The bed can be divided up into seven areas for ease of material handling and maximum productivity. Roland's unique ink circulation system prevents white ink particles from settling for reduced waste and consistent print quality.

Large 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 and requires 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.

LEJ-640F print modes and speeds

Print mode	Print speed
High quality	4.1 m^2/h
Standard	5.5 m^2/h
High speed	12.4 m^2/h

*Printed in CMYK, bi-directional

Choose from 3 different ink configurations

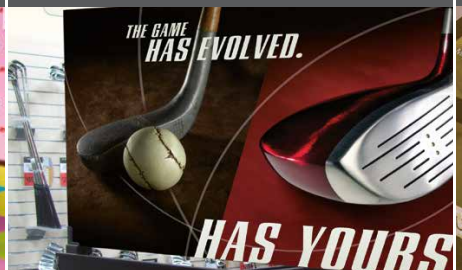
CMYK + Clear ink + White ink

CMYK + Clear ink + Clear ink

CMYK + White ink + White ink

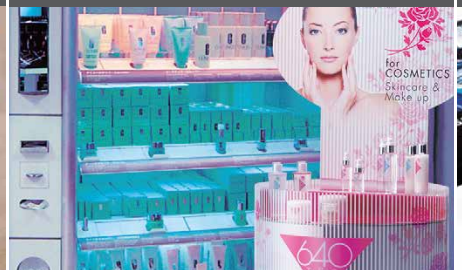
Event Customisation

Advertising Materials



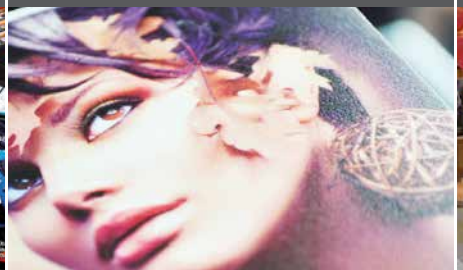
Varnishing Effects

POS Customisation



Prototypes

Advertising Materials



Displays

Imagine. Roland®

VersaUV LEJ-640F

Specifications		LEJ-640F
Printing technology		6 heads piezo, UV LED
Media	Dimensions	Width 1,625 mm, Length 2,100 mm (extendable)
	Thickness	Up to 150 mm
	Weight	Maximum 200 kg
Printing area *1		LEJ-640 F210: Width 1,615 mm, Length 2,100 mm
		LEJ-640 F250: Width 1,615 mm, Length 2,624 mm
		LEJ-640 F320: Width 1,615 mm, Length 3,324 mm
Length out of range *2		1,870 mm
Ink cartridges	Type	Roland ECO-UV, 220cc
	Colours	cyan, magenta, yellow, black, white and gloss
Vacuum system	Turbine	2,2 Kw (three-phase) with silencing system
	Partition	LEJ-640 F210: 4 selectable areas, LEJ-640 F250: 5 areas, LEJ-640 F320: 6 areas
Interface		Ethernet Base 10/100
Printing resolution (dots per inch)		Maximum 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"
Job purposes		Continuous, unloaded, return to origin, statified
Media height detection		Manual / Automatic optical (laser barrier) for opaque materials
Surface homogenity check		Optical (laser barrier)
Power requirements		AC 380 V 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)
Dimensions		LEJ-640 F210: 3,184 x 3,283 x 1,300 mm
		LEJ-640 F250: 3,184 x 3,760 x 1,300 mm
		LEJ-640 F320: 3,184 x 4,455 x 1,300 mm
Printing bed height		895 mm
Weight	Net weight	LEJ-640 F210: 800kg, LEJ-640 F250: 900kg, LEJ-640 F320: 1050kg
	Distribution	On 4 points diameter 120 mm (1,510 x 2,910 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 valve commands.

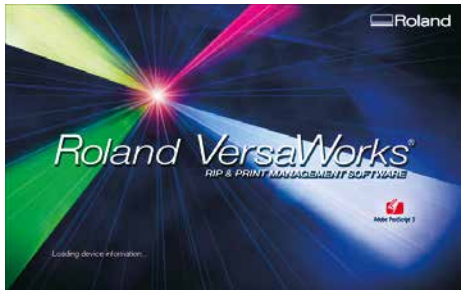
The usage of the machine is limited only to those instructed and trained by Roland. It is necessary to add the extracting air system.

Roland VersaWorks System Requirements	
Operating system	Windows® 8 Professional or Ultimate (32-bit); Windows Vista® Business/ Ultimate (32-bit); Windows® XP Professional Service Pack 2 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 1280 x 1024 or more recommended
Free hard-disk space	40 GB or more recommended
Hard-disk file system	NTFS format
Optical drive	DVD-ROM drive

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

Roland VersaWorks RIP and Print Management Software

VersaWorks™ RIP software has been developed exclusively for use with all Roland inkjet printers and printer/cutters. Its technical foundations are built on the latest Adobe® Postscript engine, providing you with a powerful production tool to ensure quick, flexible and precisely colour matched output.



- Easy-to-use graphical user interface
- Built with the latest Adobe PostScript (CPSI 3018) engine
- Roland Color spot colour management system
- Roland Texture Libraries for clear inks
- Simultaneous RIP and print capability
- Colour matching features
- Built-in PANTONE® library automates spot colour matching
- Predictive ink calculator estimates the amount of ink needed for each job
- Support for contour cutting
- Manages up to four Roland devices

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