Imagine.

Roland®

PRO 4

SOLJET PRO4 XF-640

www.rolanddg.eu



Overwhelming print quality at astronomical speeds

How fast can we go without compromising print quality? We introduce the SolJet Pro 4 XF-640 – the fastest printer ever manufactured by Roland DG. The XF-640 delivers unrivalled productivity and exceptional quality. The robust design and well-known reliability of Roland complete the picture. This printer will take your company to the top,
so get ready for launch!

SOLJET PRO4 XF-640
4 Colors







Speed and quality in perfect balance

Large production volumes thanks to the latest technology

The print heads in the XF-640 are 'staggered', resulting in exceptional high-speed printing. Thanks to a new technology, these heads are controlled with even greater precision. Furthermore, these are the very latest print heads available on the market. These heads can release drops in seven different sizes and therefore optimise graphic quality for the material and resolution selected. The four colours (CMYK) are mirrored in the heads, which results in the colour order of the ink remaining the same in both print directions. Thanks to all of this you can be sure of excellent print quality in each print mode.

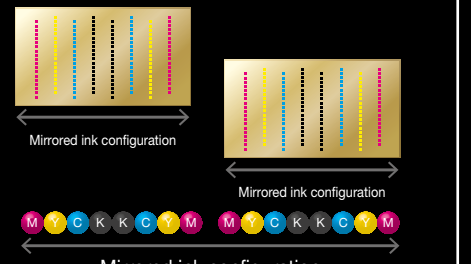
The XF-640 is approximately 2.5 times faster than its predecessor (the XJ-640) and attains a maximum speed of 102m²/hour when printing banners. This combination of speed and quality makes the XF-640 the perfect apparatus for the production of large volumes.

XF-640 throughput for banner

Max Speed (360×360/1PASS)	102 m²/h
Billboad (540×360/2PASS)	63 m²/h
High Speed (540×360/4PASS)	31 m²/h
Standard (720×720/5PASS)	24 m²/h
High Quality (720×1440/9PASS)	13 m²/h

XF-640 throughput for vinyl

High Speed (360×720/4PASS)	30 m²/h
Standard (720×720/6PASS)	20 m²/h
High Quality (720×1440/12PASS)	10 m²/h
Artistic (1440×1440/16PASS)	4 m²/h



ECO-SOL MAX2 for intense colours

ECO-SOL MAX2 is the latest generation of Roland DG's awarded eco-solvent ink. The ink scores extremely high on all relevant levels: the outdoor durability, the scratch resistance, chemical resistance and colour range.
In addition, the ink is compatible with the broadest range of print media on the market. Thanks to its new composition, the ink creates even sharper images. ECO-SOL MAX2 is also nickel-free.



ECO-SOL MAX2









RIP & PRINT MANAGEMENT SOFTWARE

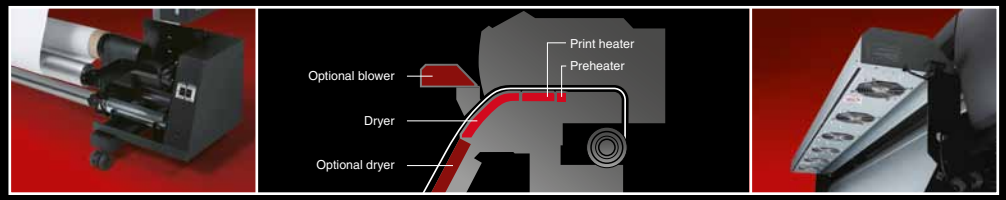
Roland VersaWorks®

VersaWorks adjusts the result to the end-use

Roland VersaWorks RIP and print management software is included with the XF-640. In this software you choose a print mode, depending on the print's intended use. You can choose, for example, for a print that will be used outdoors, where the colours should be extremely vivid. You can also choose the fine art print mode if it is important for the finest details to be present. VersaWorks also supports the use of the PANTONE colour library. PANTONE spot colours in a design will automatically be converted to a CMYK value and will then be linked exactly to a colour within the range of the ECO-SOL MAX2 ink set. Searching for the right colour is simplified to a great extent by this workflow. VersaWorks estimates how much ink a specific task will require and how long it will take for this task to be completed, in addition to the media amount still on the roll, preventing nasty surprises.

New take-up system and drying for large volumes

The XF-640 is equipped with a new take-up system that rolls up your prints carefully and quickly. Heavy material is also held in place tightly and rolled up evenly. The new optional dryer/blower ensures simultaneous drying of the ink with high print speeds.



Stable structure for guaranteed results

Robust design of reliable machinery

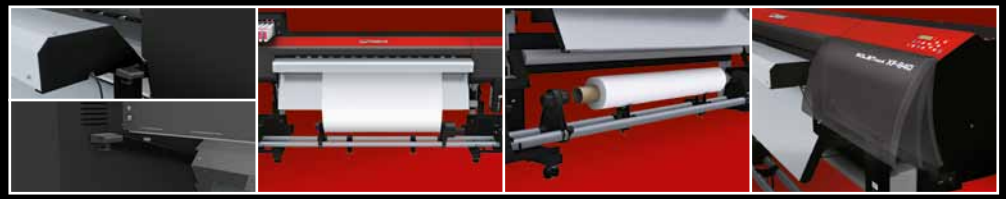
The XF-640 has a robust structure, resulting in the print head moving across the print material in a stable manner, even at the highest speeds. Flawless media feeding is assured – even in the case of large volumes - thanks to the 16 pinch rollers, improved grid rollers and durable motor. You can therefore print for long periods of time, without any problems and without interruptions.



Attention to level of user-friendliness

Useful improvements for efficient operation

The ink cartridges are located at the front of the printer, for quick replacement. Media rolls can also be positioned easily, and can be clamped down at the front and back. Narrower rolls can also be positioned easily, because the rolls are secured to the take-up system on the left-hand and right-hand sides. In addition, special media brackets ensure that heavy rolls are positioned and removed in a safe way. The cover also opens with one push and maintenance of the appliance is therefore simplified.





SOLJET PRO4 XF-640

Specifications		
Printing technology		Piezoelectric inkjet
Media	Width	259 to 1,625 mm
	Thickness	Maximum 1.0 mm with liner
	Roll outer diameter	Maximum 210 mm
	Roll weight	Max. 40 kg
	Core diameter *1	76.2 mm or 50.8 mm
Printing width*2		Max. 1,615 mm
Ink cartridges	Types	Roland ECO-SOL MAX2, 440-cc cartridges
	Colours	Four colours (cyan, magenta, yellow, and black)
Printing resolution (dots per inch)		Maximum 1,440 dpi
Distance accuracy *3		Error of less than ±0.3 % of distance travelled, or ±0.3 mm, whichever is greater
Media heating system *4		Print heater / preheater, setting range for the preset temperature: 30 to 45C° Dryer, setting range for the preset temperature: 30 to 55C°
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 120 V ±10 %, 11 A, 50/60 Hz or AC 220 to 240 V ±10 %, 6 A, 50/60 Hz
Power consumption		During operation: Approx. 1,350 W / Sleep mode: Approx. 20 W
Acoustic noise level		During operation: 62 dB (A) or less / During standby: 45 dB (A) or less
Dimensions / Weight (with stand)		2,750 (W) x 800 (D) x 1,295 (H) mm / 177 kg
Environmental	Power on	Temperature: 15 to 32°C (20°C or more recommended), humidity: 35 to 80%RH (non-condensing)
	Power off	Temperature: 5 to 40°C, humidity: 20 to 80%RH (non- condensing)
Included items		Exclusive stands, power cord, media clamps, media holder, replacement blade for separating knife, software RIP, 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 Media type: Media specified by Roland DG Corp. Temperature: 25°C, humidity: 50%. Roll media must be loaded correctly. Excluding expansion/contraction of the media. Not assured when the pre-heater, print heater or dryer is used. All correction or adjustment function of this machine has been made properly. Print travel: 1m.
*4 Warm-up is required after power up. This may require 5 to 20 minutes, depending on the operating environment. Depending on the ambient temperature and media width, the preset temperature may fail to be reached.

Roland VersaWorks System Requirements	
Operating system	Windows® 7 Professional or Ultimate (32/64-bit); Windows Vista® Business/Ultimate (32/64-bit);Windows® XP Professional Service Pack 2 or later (32/64-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

*Roland VersaWorks® is a 32-bit application, which runs on 64-bit Windows® with WoW64 (Windows 32-bit on Windows 64-bit).

Ink		
ECO-SOL MAX2	ESL4-4CY	Cyan, 440cc
	ESL4-4MG	Magenta, 440cc
	ESL4-4YE	Yellow, 440cc
	ESL4-4BK	Black, 440cc
Cleaning cartridge	ESL4-CL	Cleaning liquid, 1pc.

Optional DU2-64 heater and blower specifications		
Dryer unit		Heating type (with blower fan), setting range for the preset temperature: 30 to 55°C *1
Power requirements *2		AC 100 to 120V ±10%, 5.5 A, 50/60 Hz or AC 220 to 240 V ±10%, 3 A, 50/60 Hz
Power consumption		Approx. 750 W
Weight		26 kg
Environmental	Power on	Temperature: 15 to 32°C - (20°C or more recommended), humidity: 35 to 80% (no condensation)
	Power off	Temperature: 5 to 40°C, humidity: 20 to 80% (no condensation)
Included items		Power cord, arms, bushing, cable clamps, stays, hexagonal wrench, bolts, washers, user's manual

*1 Warm-up is required after power-up. This may require 5 to 20 minutes, depending on the operating environment. Depending on the ambient temperature and media width, the preset temperature may fail to be reached.
*2 Be sure to connect the machine to an unshared electrical circuit. Be sure to verify the amperage of the circuit breaker or fuse used.

DU2-64

To further increase your productivity, we recommend to use our optional heater and blower unit. The new, redesigned heater delivers even temperature distribution across large graphics and dries ink saturated prints quickly during high-speed production.



Imagine. Roland®

Roland DG Benelux nv | Houtstraat 3 - B-2260 Oevel | T: +32 14 57 59 11 | F: +32 14 57 59 12 | **www.rolanddg.be**
Roland DG Deutschland GmbH | Halskestrasse 7 - D-47877 Willich | T: +49 2154 8877 95 | F: +49 2154 8877 96 | **www.rolanddg.de**
Roland DG Benelux nv - Hungarian Office | FSD Park 3 - H-2045 Törökbálint | T: +36 23 338 041 | F: +36 23 338 087 | **www.rolanddg.hu**