

Choose for metallic and white ink

Metallic and white, printing and cutting, speed and quality... The VersaCAMM VS-640's possibilities are almost unlimited. The machine allows you to make brilliant posters, stickers, textile transfers, signs, banners, labels and more with fabulous metallic colours. You can have this 1.6m wide machine with four, six or eight colours. Choose the colour combination that fits your company best!*

Combine metallic and white ink for luxurious results

You can get the VersaCAMM VS-640 with four, six or eight colours. By combining the metallic silver ink with CMYK, you get a range of coloured metallic effects like gold, bronze and pearlescent colours. You can choose from more than 500 other metallic colours in the colour library.

The VS-640 features an automatic circulation system for white and metallic ink. This system prevents the ink from settling, which results in an optimal ink quality.



New print heads for excellent print quality

The VS-640 features a new generation of print head technology. The heads fire droplets of seven different sizes with unmatched accuracy for smooth gradations and flawless solid colours. Roland Intelligent Pass Control assures the highest levels of print quality – even in high speed modes.

Trust the online “production assistant”

The VS-640 features “Roland OnSupport”. This new online support system allows you to remotely monitor your machine’s activities. The system sends notifications directly to your PC or mobile phone with important production information. The system informs you for instance when your print job is ready or when the ink is almost empty. With Roland OnSupport, you have complete freedom to leave your printer unattended and focus on other jobs.



Your complete package: professional VersaWorks software included

With Roland DG’s RIP software, anyone can achieve professional print quality without advanced skills or previous experience. VersaWorks supports the Roland Color system which accurately reproduces spot colours from colour charts and swatch books. The Roland Metallic Color library in VersaWorks features 512 colours including gold, silver, bronze and other metallic colours that can be incorporated into graphics. VersaWorks offers a wide range of print options including a high-speed mode for production banner printing, the MAX Impact preset for vivid outdoor graphics and the Artistic mode for exceptional indoor graphics that can be viewed up close. In addition, VersaWorks automatically estimates the ink usage and print time for each graphic to accurately monitor time and costs.

* Ink configuration (either 8 colours (CMYKLCmWMT), 6 colours (CMYKLCm) or 4 colours (CMYK)) must be selected upon purchase.



Posters

Signs

Labels

Banners

Vehicle graphics

Displays

T-shirts

Specifications VS-640		
Printing technology		Piezoelectric inkjet
Media	Width	210 to 1,625 mm
	Thickness	Maximum 1.0 mm with liner for printing Maximum 0.4 mm with liner and 0.22mm without liner for cutting
	Roll outer diameter	Maximum 210 mm
	Roll weight	Maximum 40 kg
	Core diameter ^{*1}	76.2 mm or 50.8 mm
Printing / cutting width ^{*2}		Maximum 1,600 mm
Ink cartridges	Type	Roland ECO-SOL MAX ink
	Capacity	220 cc or 440 cc
	Colours	Eight colours (cyan, magenta, yellow, black, light cyan, light magenta, metallic silver and white), six colours (cyan, magenta, yellow, black, light cyan, and light magenta), or four colours (cyan, magenta, yellow, and black)
Printing resolution (dots per inch)		Maximum 1,440 dpi
Cutting speed		10 to 300 mm/s
Blade force		30 to 300 gf
Blade offset		0 to 1.5 mm
Software resolution (when cutting)		0.025 mm/step
Distance accuracy (when printing) ^{*3, *4}		Error of less than $\pm 0.3\%$ of distance travelled, or ± 0.3 mm, whichever is greater
Distance accuracy (when cutting) ^{*3}		Error of less than $\pm 0.4\%$ of distance travelled, or ± 0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than $\pm 0.2\%$ of distance travelled, or ± 0.1 mm, whichever is greater
Repeatability (when cutting) ^{*3, *5}		± 0.1 mm or less
Alignment accuracy for printing and cutting ^{*3, *6}		± 0.5 mm or less
Alignment accuracy for printing and cutting when reloading media ^{*3, *7}		Error of less than $\pm 0.5\%$ of distance travelled, or ± 3 mm, whichever is greater
Media heating system ⁸	Print heater	Setting range for the preset temperature: 30 to 45°C
	Dryer	Setting range for the preset temperature: 30 to 50°C
Connectivity		Ethernet (10BASE-T/100BASE-TX, automatic switching)
Power-saving function		Automatic sleep feature
Power requirements		AC 100 to 120 V $\pm 10\%$, 8.2A, 50/60 Hz or AC 220 to 240 V $\pm 10\%$, 4.2A, 50/60 Hz
Power consumption	During operation	Approx. 1,080 W
	Sleep mode	Approx. 14.8 W
Acoustic noise level	During operation	64 dB (A) or less
	During standby	41 dB (A) or less
Environmental	Power on	Temperature: 15 to 32°C [20°C or more recommended], Humidity: 35 to 80% (no condensing)
	Power off	Temperature: 5 to 40°C, humidity: 20 to 80% (no condensing)
Dimensions (with stand)		2,575 (W) x 705 (D) x 1,105 (H) mm
Weight (with stand)		130 kg
Included items		Stand, power cord, blade, blade holder, media clamps, media holder, replacement blade for separating knife, software RIP, user's manual, etc.

- *1 The media holder of this machine is exclusively for media with a paper tube core inner diameter of 3 inches. To use a 2 inch media core, please use the optionally available media flanges.
- *2 The length of printing or cutting is subject to the limitations of the program.
- *3 Using Roland specified media, loaded correctly, temperature: 25°C, humidity: 50 %RH, all pinch rollers are used, 25 mm or more for both right and left margins and 35 mm or more front margin, excluding expansion or contraction of the media, and all correction and adjustment functions of this machine have been made properly. Not assured when the print heater or dryer is used.
- *4 Using Roland specified media, print travel of 1m
- *5 [PREFEED] menu item must be set to "ENABLE" Media over 610 mm wide, and 4,000 mm long. Media 610 mm wide or less and 8,000 mm long.
- *6 Provided that media length is under 3,000 mm. Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media.
- *7 Using Roland specified media, data size: 1,000 mm in the media-feed direction, 1,600 mm in the carriage-movement direction. No lamination. Automatic detection of crop marks at 4 points when media is reloaded. During cutting, [PREFEED] menu item must be set to "ENABLE". Excludes the effects of slanted movement and of expansion and contraction of the media.
- *8 Warm-up is required after powerup. 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.

Roland VersaWorks system requirements

Operating system	Windows® 7 Professional or Ultimate (32-bit); Windows Vista® Business/Ultimate Service Pack 1 (32-bit); Windows Vista® Business/Ultimate (32-bit); Windows® XP Professional Service Pack 2 or later; or Windows® 2000 Service Pack 4
CPU	Core™2 Duo, 2.0 GHz or faster recommended
RAM	1 GB or more recommended (Windows7 and Vista: 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
Optical drive	DVD-ROM drive

Options

ECO-SOL MAX ink	ESL3-4MG	Magenta, 440 cc
	ESL3-4YE	Yellow, 440 cc
	ESL3-4CY	Cyan, 440 cc
	ESL3-4BK	Black, 440 cc
	ESL3-4LC	Light cyan, 440 cc
	ESL3-4LM	Light magenta, 440 cc
	ESL3-MG	Magenta, 220 cc
	ESL3-YE	Yellow, 220 cc
	ESL3-CY	Cyan, 220 cc
	ESL3-BK	Black, 220 cc
	ESL3-LC	Light cyan, 220 cc
	ESL3-LM	Light magenta, 220 cc
	ESL3-MT	Metallic silver, 220 cc
ESL3-WH	White, 220 cc	
Cleaning cartridge	SL-CL	Cleaning liquid, 1 pc.
Blades	ZEC-A1003	For normal cutting foil, 3 pieces
	ZEC-A1005	For normal cutting foil, 5 pieces
Blade Holders	XD-CH2	Blade holder with blade extension adjuster, made of aluminium
Automated take-up system	TU2-64	For VS-640, rolls up to 30kg
	TUC-2	Controller for TU2-64 take-up system

About metallic silver and white inks

The pigment in these inks will settle in the cartridge and ink flow system. Due to the nature of white and silver inks, you must shake the cartridge before use. Outdoor durability is three years for CMYK inks, one year for white inks and one to three years for metallic inks depending on the media used. Roland strongly recommends lamination for both indoor and outdoor graphics to prevent metallic inks from scratching.

AUTHORIZED DEALER:

www.rolanddg.eu