

VersaCAMM

Roland Metallic Color System Library
 Roland Metallic Texture System Library

Print & Cut Inkjet
 Roland VersaWorks™

8 Colors
 7 Sizes
 6 Colors
 4 Colors
 Ink Gradient System
 New Print Head

Specifications	VS-640	VS-540	VS-420	VS-300
Printing technology	Piezoelectric inkjet			
Media	Width	210 to 1,625 mm (8.3 to 64 in.)	210 to 1,371 mm (8.3 to 54 in.)	182 to 1,071 mm (7.2 to 42.2 in.)
	Thickness	Maximum 1.0 mm (39 mil) with liner for printing Maximum 0.4 mm (16 mil) with liner and 0.22mm (9mil) without liner for cutting		
	Roll outer diameter	Maximum 210 mm (8.3 in.)		
	Roll weight Core diameter ¹	Maximum 40 kg (88 lb.) 76.2 mm (3 in.)	Maximum 30 kg (66 lb.) 76.2 mm (3 in.) or 50.8 mm (2 in.)	Maximum 25 kg (55 lb.) 76.2 mm (3 in.)
Printing / cutting width²	Maximum 1,600 mm (63 in.)	Maximum 1,346 mm (53 in.)	Maximum 1,046 mm (41.2 in.)	Maximum 736 mm (29 in.)
Ink cartridges	Type/Capacity	Eight colors (cyan, magenta, yellow, black, light cyan, light magenta, metallic silver and white), seven colors (cyan, magenta, yellow, black, light cyan, light magenta, white and white), six colors (cyan, magenta, yellow, black, light cyan, and light magenta), or four colors (cyan, magenta, yellow, and black)		
	Colors	Maximum 1,440 dpi		
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 (0 to 0.059 in.)			
Software resolution (when cutting)	0.025 mm/step (0.000984 in./step)			
Distance accuracy (when printing)³ *4	Error of less than ±0.3% of distance traveled, or ±0.3 mm, whichever is greater			
Distance accuracy (when cutting)³ *4	Error of less than ±0.4% of distance traveled, or ±0.3 mm, whichever is greater			
Repeatability (when cutting)³ *5	±0.1 mm or less			
Alignment accuracy for printing and cutting³ *6	±0.5 mm or less			
Alignment accuracy for printing and cutting when reloading media³ *7	Error of less than ±0.5% of distance traveled, or ±3 mm, whichever is greater			
Media heating system⁸	Print heater	Setting range for the preset temperature: 30 to 45°C (86 to 112°F)		
	Dryer	Setting range for the preset temperature: 30 to 50°C (86 to 122°F)		
Connectivity	Ethernet (10BASE-T/100BASE-TX, automatic switching)			
Power-saving function	Automatic sleep feature			
Power requirements	AC 100 to 120 V ±10%, 8.2A, 50/60 Hz or AC 220 to 240 V ±10%, 4.2A, 50/60 Hz	AC 100 to 120 V ±10%, 7.9A, 50/60 Hz or AC 220 to 240 V ±10%, 4.0A, 50/60 Hz	AC 100 to 120 V ±10%, 7.2A, 50/60 Hz or AC 220 to 240 V ±10%, 3.7A, 50/60 Hz	AC 100 to 120 V ±10%, 5.6A, 50/60 Hz or AC 220 to 240 V ±10%, 2.9A, 50/60 Hz
	Approx. 1,080 W	Approx. 1,050 W	Approx. 960 W	Approx. 740 W
Power consumption	During operation	Approx. 14.8 W	Approx. 14.4 W	Approx. 14.4 W
	Sleep mode	Approx. 1.4 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 (59 to 90°F) [20°C (68°F) or more recommended], Humidity: 35 to 80%RH (no condensing)		
	Power off	Temperature: 5 to 40°C (41 to 104°F), Humidity: 20 to 80%RH (no condensing)		
Dimensions (with stand)	2,575 (W) x 705 (D) x 1,105 (H) mm (101.4 (W) x 27.8 (D) x 43.5 (H) in.)	2,315 (W) x 705 (D) x 1,105 (H) mm (91.2 (W) x 27.8 (D) x 43.5 (H) in.)	2,015 (W) x 705 (D) x 1,105 (H) mm (79.4 (W) x 27.8 (D) x 43.5 (H) in.)	1,705 (W) x 705 (D) x 1,105 (H) mm (67.2 (W) x 27.8 (D) x 43.5 (H) in.)
Weight (with stand)	130 kg (287 lb.)	120 kg (265 lb.)	105 kg (232 lb.)	90 kg (199 lb.)
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 (77°F), 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 1 m *5 (PREFEED) menu item must be set to "ENABLE". ⁵ 64-inch and 54-inch models, media over 610 mm wide, and 4,000 mm long. Media 610 mm wide or less and 8,000 mm long. 45-inch and 30-inch models, 3,600 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 (64-inch model), 1,346 mm (54-inch model), 1,046 mm (42-inch model), or 736 mm (30-inch model) 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 skewed 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/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).

Options					
ECO-SOL MAX Media (for banners, posters, POPs and vehicle graphics, etc.)	Model	Description	ECO-SOL MAX INK	Model	Description
	SFPLF-1300	Backlit film, 1300 mm x 30 m (51' x 98')		ESL3-4MG	Magenta, 440cc
	SV-G-1270G	Gray adhesive vinyl, 1270 mm x 30 m (50' x 98')		ESL3-4YE	Yellow, 440cc
	SV-G-610G	Gray adhesive vinyl, 610 mm x 30 m (24' x 98')		ESL3-4CY	Cyan, 440cc
	SCM-GPPG-40-127	White glossy photo paper, 1270 mm x 40 m (50' x 131')		ESL3-4BK	Black, 440cc
	SCM-GPPG-50-914	White glossy photo paper, 914 mm x 50 m (35' x 164')		ESL3-4LC	Light cyan, 440cc
	MPP-SG-1067	Semi glossy photo paper, 1067 mm x 30 m (42' x 98')		ESL3-4LM	Light magenta, 440cc
	SCM-GWVG-40-137	Calendered White Vinyl, adhesive, 1370 mm x 40 m (53' x 131')		ESL3-MG	Magenta, 220cc
	SCM-GWVG-40-152	Calendered White Vinyl, adhesive, 1520 mm x 40 m (60' x 131')		ESL3-YE	Yellow, 220cc
	SP-CL-1000T	Clear PET film, adhesive, 1000 mm x 20 m (39' x 65')		ESL3-CY	Cyan, 220cc
SP-CL-515T	Clear PET film, adhesive, 515 mm x 20 m (20' x 65')	ESL3-BK	Black, 220cc		
ESP-CL-1300	Clear PET film, 1300 mm x 30 m (51' x 98')	ESL3-LC	Light cyan, 220cc		
SCM-GPPM-40-127	Photo mat paper, 1270 mm x 40 m (50' x 131')	ESL3-LM	Light magenta, 220cc		
SCM-GPPM-50-762	Photo mat paper, 762 mm x 50 m (30' x 164')	ESL3-MT	Metallic silver, 220cc		
SCM-GSPET-40-500	Glossy gold PET, adhesive, 500mm x 40 m (19' x 131')	ESL3-WH	White, 220cc		
SCM-GSPVC-40-610	Glossy silver PET, adhesive, 610mm x 40 m (19' x 131')	Cleaning cartridge	SL-CL	Cleaning liquid, 1 pc.	
SCM-GSPVC-40-610	Glossy silver vinyl, adhesive, 610mm x 40 m (24' x 131')	Blades	ZEC-US022	For thick, reflective and fluorescent vinyl, 2pcs.	
SP-M-1270	Matte PET film, 1270 mm x 30 m (50' x 98')	ZEC-US025	For thick, reflective and fluorescent vinyl, 5pcs.		
SP-M-610	Matte PET film, 610 mm x 30 m (24' x 98')	Blade Holders	XD-CH2	Blade holder with blade extension adjuster, made of aluminum	
SCM-TTRH-25-750	Garment heat transfer, 750 mm x 25 m (29' x 82')	XD-CH3	Blade holder with blade extension adjuster, made of resin		
HTSP-10-500	Special silicon paper for matte finish, 500 mm x 10 m (19.68' x 32.8')	Automated take-up system	TUZ-64/54/42/30	For VS-640/540/420/300, rolls up to 30kg (66 lbs.)	
HTA-25-500	Application film, 500 mm x 25 m (19' x 82')	TUC-2	Controller for TUZ-64/54/42/30 take-up system		

About Metallic Silver and White Inks Due to the nature of white and silver inks, the pigment in these inks will settle in the cartridge and ink flow system, requiring you to shake the cartridge before each use. Outdoor durability is three years for CMYK inks, one year for white ink, and one to three years for metallic silver ink, depending on the media used. Roland strongly recommends lamination for both indoor and outdoor graphics to ensure the quality of metallic inks.



Roland DG products that feature this environmental labels meet the company's criteria for environmental consciousness, a set of standards based on ISO 14021 self-declaration type II. For more information, please visit www.rolanddg.com.



As an ENERGY STAR® partner, Roland DG Corporation has determined that this product meets the ENERGY STAR guidelines for energy efficiency. ENERGY STAR is a U.S. registered mark.

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 dealer 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. 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.

Roland AUTHORIZED DEALER: Printed in Japan. RDG-416083399 12 MAR BE-2 P-S

www.rolanddg.com

Imagine.
Roland

DVE
 Digital Value Engineering

Metallic Revolution

VersaCAMM Print&Cut Inkjets

VS-640 VS-540 VS-420 VS-300

Option		
Automated take-up system	TUZ-64 for VS-640 TUZ-54 for VS-540 TUZ-42 for VS-420 TUZ-30 for VS-300	Heater and blower 7-Colors Configurations Indispensable Option OndS 640A for VS-640 OndS 540A for VS-540 OndS 420A for VS-420 OndS 300A for VS-300

Application software compatible with Cutting and Print&Cut
 Adobe® Illustrator® 10, CS, CS2, CS3, CS4, C55/ CorelDRAW® 11, 12, X3, X4, X5

Metallic Revolution

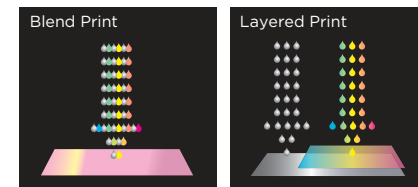
Add Stylish Accents, Sophistication and Premium Value with Metallic Silver Ink

With the addition of Metallic Silver ink, you can easily apply luxurious effects to printed graphics with brilliant metallic colors that were previously available only through silk screening, offset printing, and hot stamping. The design possibilities are boundless with the rich textures and smooth gradations of gold, silver, metallic and pearlescent colors. A choice of four inkjet printer/cutter sizes provides a wide variety of cost-effective options.

Explore a New World of Creative Expression with Metallic Colors

Metallic Colors and White Ink Produce Premium Quality Results

The metallic and white ink option allows Roland VS users to add value and sophistication to virtually any graphic. ECO-SOL MAX Metallic Silver ink can be printed as a spot color, or combined with CMYK to produce a wide range of metallic and pearlescent colors. Two metallic print modes are available to expand your options. Choose Blend print mode to print CMYK+Lm and Metallic Silver ink together for natural metallic colors. Or choose Layered print mode to print Metallic Silver first, then CMYK+Lm with one pass. This mode achieves richer metallic colors just like by coating silver with translucent CMYK colors.



Produce Stunning Metallic Effects Easily

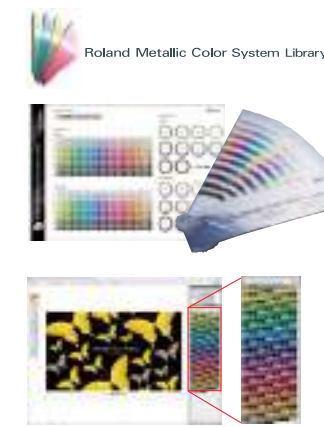
Roland's Metallic Texture System Library allows you to easily apply unique patterns and textures to metallic colors for added impact. Simply select a texture or pattern from the Roland swatch library in Adobe® Illustrator® and apply it to your graphic.



You can choose from 26 unique designs including hairline borders and dot patterns.

Wide Range of Metallic Colors Available with the Roland Color System Library

The VS series supports 512 spot metallic colors allowing you to apply one or more predefined colors to any graphic with a click of the mouse. You can also choose colors from Adobe® Illustrator®.



Included Software Ensures Optimum Performance

VersaWorks, Roland's Powerful, Easy-to-Use RIP Software

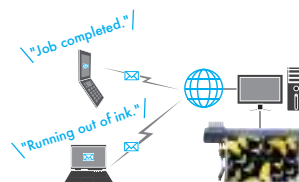
Roland's true Adobe® PostScript® 3™ RIP is easy to use and incorporates the latest CPSI engine for exceptional production output. Features include estimation of ink usage and print time for each job, control of up to four Roland devices, and accurate color matching using the Roland Color System.



RIP & PRINT MANAGEMENT SOFTWARE
Roland VersaWorks® Adobe PostScript 3

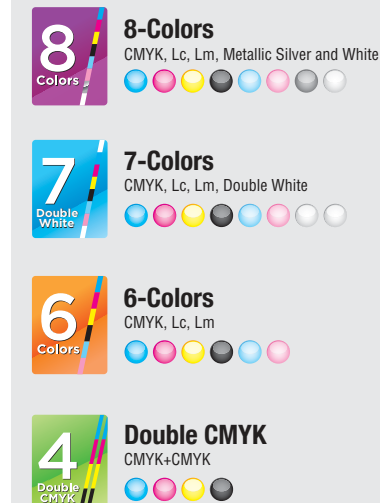
Roland OnSupport for Remote Production Management

Roland OnSupport is an online customer support system allowing you to remotely track the status of your VersaCAMM VS series activities. The system sends e-mail notifications directly to your PC or mobile phone with important information such as when a job is completed and when ink is running low. With Roland OnSupport, you are free to leave your printer unattended, knowing that critical production information will be sent to you in real time. The system also provides valuable information such as how to create print files using metallic colors and tips to further enhance metallic effects.



Unique Printing Options to Drive Your Business

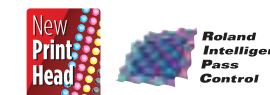
Choose From 4 Ink Configurations



*Ink configuration must be selected upon purchase.

New Print Head Delivers the Ultimate in Image Quality

Based on a new generation of print head technology, the VS series fires droplets of seven different sizes for beautifully smooth gradations, high-fidelity photographs and flawless solid colors. A new gold-plated print head is designed to repel ink, preventing clogs. Precision-rounded nozzles and accurate ink firing produce perfect ink droplets for unrivaled image quality.



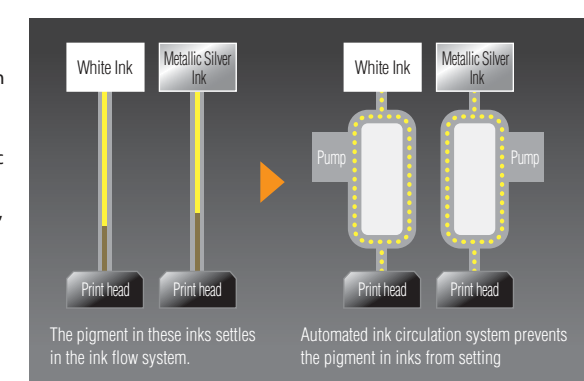
Integrated Printing And Contour Cutting for Increased Productivity

Roland's integrated Print&Cut Technology streamlines your production environment. With this efficient, automated process, you can produce print/cut graphics of virtually any shape on one device for maximum productivity. The optional media take-up system collects Print&Cut graphics automatically for unattended operation.



Automated Ink Circulation System for Consistent Long-Term Image Quality

The VS series comes with Roland's unique, automated ink circulation system that prevents the pigment in metallic silver and white inks from settling. This system automatically reduces waste of white and metallic silver inks, lowers running costs, produces exceptional image quality, and ensures consistent metallic and white density throughout the longest production runs.



Flawless Media Feeding

The VS series features newly designed fixed media shafts and adjustable flanges for precision media tracking and easy loading and unloading of even the heaviest media rolls.



White Add Versatility and Boost Productivity with VS series White Ink Options.

The ability to use white ink greatly expands expressive potential across a wide range of media.

With white ink you can output onto transparent, silver, colored and other media. This opens up all kinds of value added options, like bright window displays, window decals for vehicles, or short run package prototypes and mock-ups.

Increase Your Productivity with Double-White.

You can also select Double-White printing, which outputs two channels of white simultaneously. Compared with one-channel white printing, this configuration doubles the conventional printing speed when using white as a single color.*An optional Dryer/Blower** can also be added to speed up the drying process. This increase in speed will naturally improve the overall productivity of your business.

*1 Compared to the VS series with 8 color printing. **2 The optional Dryer/Blower is required for Double-White printing.

Spectacular window displays dress up storefronts. Short-run decals are ideal for sales campaigns. Great for sneak previews and private showings. Ideal for short-run mock-ups.

