TrueVIS VG2 Series / SG2 Series

Specifications

Model		VG2-640	VG2-540	SG2-640	SG2-540	SG2-300
Printing method		Piezo ink-jet method				
Media	Width	315 to 1,625 mm (12.4 to 64 in.)	275 to 1,371 mm (10.8 to 54 in.)	315 to 1,625 mm (12.4 to 64 in.)	275 to 1,371 mm (10.8 to 54 in.)	182 to 762 mm (7.2 to 30 in.)
	Thickness	Max. 1.0 mm (39 mil) with liner, for printing Max. 0.4 mm (16 mil) with liner and 0.22 mm (9 mil) without liner, for cutting				
	Roll outer diameter	Max. 210 mm (8.3 in.)				
	Roll weight	Max. 40 kg (88 lb.)	Max. 30 kg (66 lb.)	Max. 40 kg (88 lb.)	Max. 30 kg (66 lb.)	Max. 25 kg (55 lb.)
	Core diameter *1	76.2 mm (3 in.) or 50.8 mm (2 in.)				
Printing/cutting width *2		Max. 1,600 mm (63 in.)	Max. 1,346 mm (53 in.)	Max. 1,600 mm (63 in.)	Max. 1,346 mm (53 in.)	Max. 736 mm (29 in.)
Ink	Type	TrueVIS INK 500 ml pouch (Only white 250 ml)				
	Colors	Eight colors (cyan, magenta, yellow, black, light cyan, light magenta, light black, and white) Eight colors (cyan, magenta, yellow, black, light cyan, light magenta, light black, and Orange) Four colors (cyan, magenta, yellow, and black)		Four colors (cyan, magenta, yellow, and black)		
Printing resolution (dots per inch)		Max. 1,200 dpi				
Cutting speed		10 to 300 mm/s (0.4 to 11.8 in/s)				
Blade force *3		30 ～ 500 gf				
Blade		Type: Roland CAMM-1 series blade Offset: 0.000 to 1.500 mm (0.0 to 59.1 mil)				
Software resolution (when cutting)		0.025 mm/step (0.98 mil/step)				
Distance accuracy (when printing) *4 *5		Error of less than ±0.3% of distance traveled or ±0.3 mm (±11.8 mil), whichever is greater.				
Distance accuracy (when cutting) *4		Error of less than ±0.4% of distance traveled or ±0.3 mm (±11.8 mil), whichever is greater. When distance correction has been performed (when the setting for [CUTTING MENU] - [CALIBRATION] has been made): Error of less than ±0.2% of distance traveled or ±0.1 mm (±3.9 mil), whichever is greater.				
Repeatability (when cutting) *4 *6		±0.1 mm (±3.9 mil) or less				
Alignment accuracy for printing and cutting *4 *7		±0.5 mm (±19.7 mil) or less				
Alignment accuracy for printing and cutting when reloading media *4 *8		Error of less than ±0.5% of distance traveled, or ±3 mm (±0.2 in.), whichever is greater				
Media heating system *9		Print heater set temperature: 30 to 45°C (86 to 112°F) Dryer set temperature: 30 to 50°C (86 to 122°F)				
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)				
Power-saving function		Automatic sleep feature				
Power requirements		AC 100 to 120 V ±10%, 8.0 A, 50/60 Hz or AC 220 to 240 V ±10%, 4.1 A, 50/60 Hz				AC 100 to 120 V ±10%, 5.4 A, 50/60 Hz or AC 220 to 240 V ±10%, 2.7 A, 50/60 Hz
Power consumption	During operation	Approx. 1,090 W				Approx. 710 W
	Sleep mode	Approx. 40 W				
Acoustic noise level		During operation: 63 dB (A) or less During standby: 53 dB (A) or less				
Dimensions (with stand)		2,945 (W) × 730 (D) × 1,310 (H) mm (116 [W] × 28.8 [D] × 51.6 [H] in.)	2,685 (W) × 730 (D) × 1,310 (H) mm (105.8 [W] × 28.8 [D] × 51.6 [H] in.)	2,945 (W) × 730 (D) × 1,310 (H) mm (116 [W] × 28.8 [D] × 51.6 [H] in.)	2,685 (W) × 730 (D) × 1,310 (H) mm (105.8 [W] × 28.8 [D] × 51.6 [H] in.)	2,070 (W) × 730 (D) × 1,310 (H) mm (81.5 [W] ×28.8 [D] × 51.6 [H] in.)
Weight (with stand)		204 kg (451.9 lb.)	188 kg (421 lb.)	197 kg (434 lb.)	180 kg (397 lb.)	147 kg (324 lb.)
Environment	During operation	Temperature: 20 to 32°C (68 to 90°F), humidity: 35 to 80 % RH (no condensation)				
	Not operating	Temperature: 5 to 40°C (41 to 104°F), Humidity: 20 to 80 % RH (no condensation)				
Included items		Dedicated stands, power cord, media clamps, media holders, replacement blade for separating knife, manuals, etc.				

*1 The media holders of this machine are designed to be used exclusively with media that has a paper tube (core) with an inner diameter of 3 inches. To use 2-inch media, the optional media flanges are required. *2 The length of printing or cutting is subject to the limitations of the program. *3 • 500 gf is the maximum instantaneous blade force. • The blade force must be adjusted according to details such as the media thickness. *4 • Media type: Media specified by Roland DG Corporation • Temperature: 25°C (77°F), humidity: 50%RH • Roll media must be loaded correctly. • Applicable when all pinch rollers that can be used with the media width are used. • Side margins: 25 mm (1.0 in.) or more for both the left and right margins • Excluding expansion/contraction of the media • Not assured when the print heater or dryer is used. • Assumes all correction and adjustment functions of the machine have been used properly. *5 • Print travel: 1 m (39.4 in.) *6 • [PREFEED] menu item must be set to "ENABLE." Range for assured repetition accuracy • For media with a width exceeding 610 mm (24.0 in.): Length: 4,000 mm (157.5 in.) • For media with a width of 610 mm (24.0 in.) or less: Length: 8,000 mm (315.0 in.) *7 • Provided that the media feed length is 3,000 mm (118.1 in.) or less • Excludes the effects of slanted movement and of expansion and contraction of the media *8 • Data size: 64-inch model: 1,000 mm (39.4 in.) in the media-feed direction, 1,600 mm (63.0 in.) in the carriage-movement direction 54-inch model: 1,000 mm (39.4 in.) in the media-feed direction, 1,346 mm (53.0 in.) 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." • Excluding possible shift caused by expansion/contraction of the media and/or by reloading the media. *9 • 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.

VersaWorks 6 System Requirements

Operating system	Windows® 10 (32/64-bit), Windows® 8.1 (32/64-bit), Windows® 7 Ultimate / Professional (32/64-bit)
CPU	Intel® 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
Other	Internet connection recommended

Options

TrueVIS INK	TR2-CY	Cyan, 500 ml
	TR2-MG	Magenta, 500 ml
	TR2-YE	Yellow, 500 ml
	TR2-BK	Black, 500 ml
	TR2-LC	Light cyan, 500 ml
	TR2-LM	Light magenta, 500 ml
	TR2-LK	Light black, 500 ml
	TR2-OR	Orange, 500 ml
	TR2-WH	White, 250 ml
Cleaning liquid	TR2-CL	Cleaning liquid, 500 ml
Blades	ZEC-U5032	For sign vinyl in general, 2pcs.
	ZEC-U5025	For thick, reflective and fluorescent vinyl, as well as sign vinyl in general, 5pcs.
Blade holders	XD-CH2	Blade holder with blade extension adjuster, made of aluminum
	XD-CH3	Blade holder with blade extension adjuster, made of resin

Options

Automated take-up system

TU4-64 [For VG2-640, SG2-640]
TU4-54 [For VG2-540, SG2-540]
TU4-30 [For SG2-300]
* Rolls up to 40 kg (88.2 lb.)

Heater and blower

DU2-64 [For VG2-640]
Power requirements
AC 100 to 120 V ±10%, 5.5 A, 50/60 Hz
AC 220 to 240 V ±10%, 3 A, 50/60 Hz

DU2-54 [For VG2-540]
Power requirements
AC 100 to 120 V ±10%, 5 A, 50/60 Hz
AC 220 to 240 V ±10%, 2.6 A, 50/60 Hz

*It is recommended to use heater and blower especially for printing with white.

About White Ink

Due to the nature of white ink, the pigment in this ink will settle in the cartridge and ink flow system, requiring you to shake the cartridge before each use. Outdoor durability is three years for CMYKLcLmLkOr inks, and one year for white ink, depending on the media used.

Roland DG 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 DG dealer for details. No guarantee or warranty is implied other than expressly stated. Roland DG shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products. PANTONE® is the property of Pantone LLC. All other trademarks are the property of their respective owners. Reproduction or use of copyrighted material is governed by local, national, and international laws. Customers are responsible for observing all applicable laws and are liable for any infringement. Roland DG Corporation has licensed the MMP technology from the TPL Group.

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September, 2019

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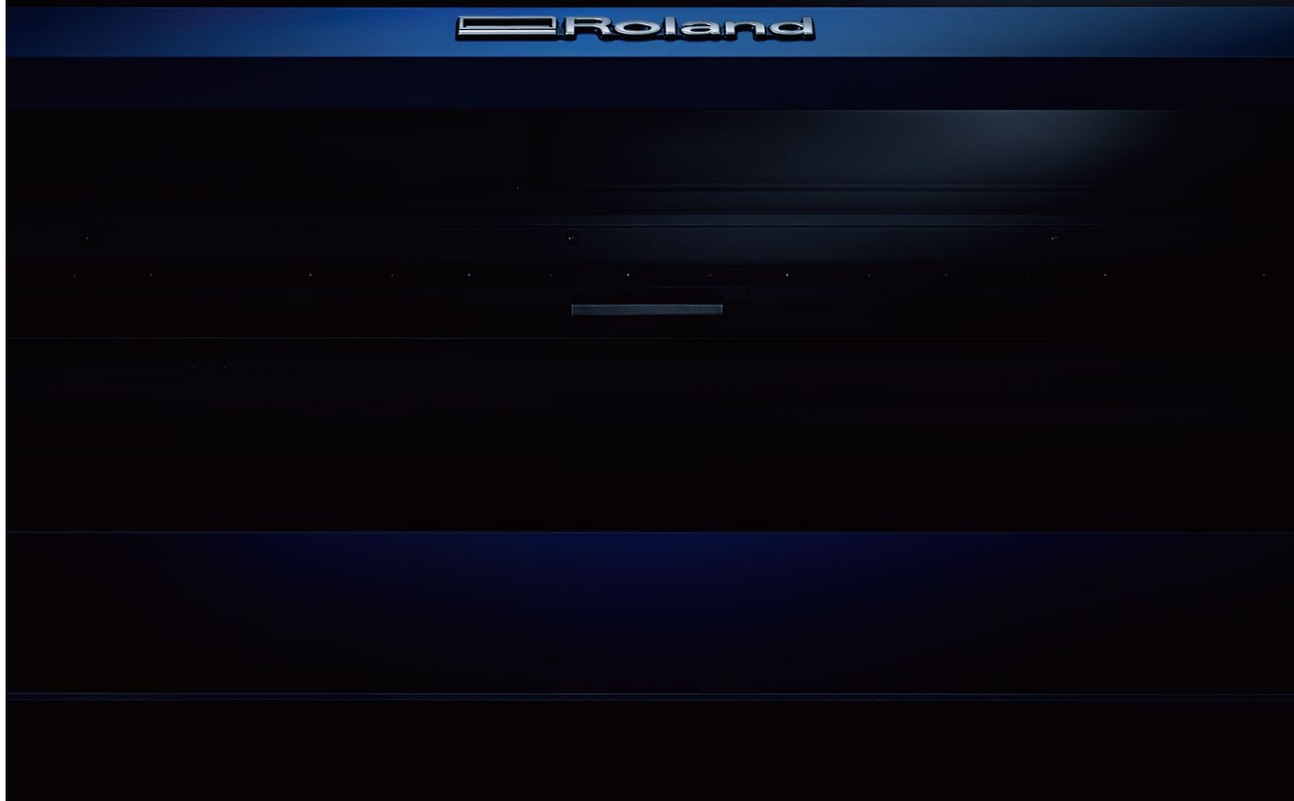
TrueVIS

VG2 Series / SG2 Series



THE POWER TO EXCITE

TrueVIS VG2 Series

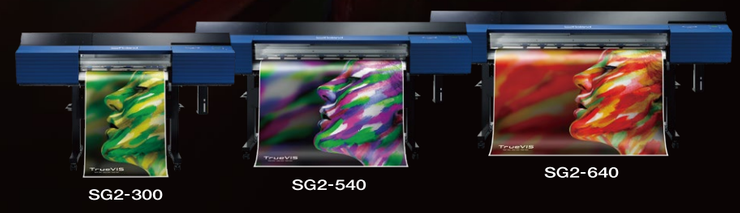
8 Colors : CMYKLcLmLkOr

8 Colors : CMYKLcLmLkWh

4 Colors : Dual CMYK

TrueVIS SG2 Series

4 Colors : CMYK



The TrueVIS VG2/SG2 series was designed to inspire creative expression with outstanding color and to grow your business by providing an unmatched level of convenience and productivity. The vibrant color of new TR2 inks and the new True Rich Color combine to maximize the potential performance of the hardware and inks. Unprecedented gamut expansion, a unique preset that delivers both vividness and natural reproduction at the same time, and the quality of myriad technical details add up to exceptional performance and value. Only the TrueVIS VG2/SG2 series offer this extraordinary power to excite.

Introducing TrueVIS VG2 and SG2 Printer/Cutters

TrueVIS
VG2 Series / SG2 Series

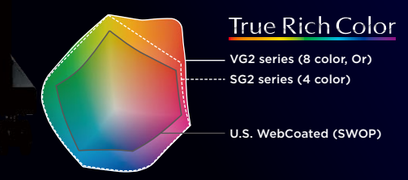
Outstanding Color

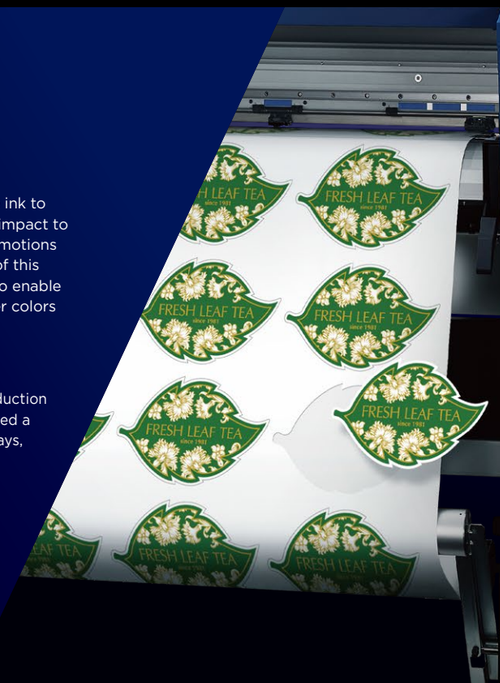
New TrueVIS TR2 ink for Vibrant Color

In addition to seven colors and White, the new TR2 ink supports Orange ink to further increase color gamut. Orange in general adds high visibility and impact to printed graphics and offers a warm and welcoming glow with positive emotions to communication tools or corporate identities. To maximize the effect of this new color ink, a new Multi Process Color Function has been developed to enable using Orange ink as a process color. It enables you to express even richer colors without any special spot-color setting requirements.

Enhance your Business with “True Rich Color”

In order to take full advantage of the VG2/SG2 series’ superior color reproduction capability and the wider color gamut provided by new TR2 ink, we developed a True Rich Color preset. Now vibrant color can be combined with neutral grays, smooth gradations and natural skin tones to create stunning graphics. This pioneering print quality is unequalled for durable graphics.





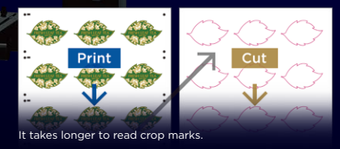
Highly Reliable Print & Cut Production

Automated Long-run Decals/Labels Production

Print & Cut

When multiple copies of stickers, decals, and labels are produced, the shorter the job length is, the higher print & cut accuracy becomes. Using the Multiple Print function allows the printer to automatically conduct highly accurate printing and cutting for a group of labels several times without the need of using crop marks. The combination of a new precision media take-up system with highly accurate print & cut functionality enables the production of longer-run unattended jobs.

Lengthy Print & Cut Jobs with Crop Marks
Print all copies and cut them afterwards.



It takes longer to read crop marks.

New "Multiple Print" Function
Continuous Print and Cut per Shorter Distances.

It results in SHORTER PRODUCTION TIME

Eliminate Trimming with Perforated Cut

The improved cutting control technology of the VG2/SG2 series introduces a precision Perforated Cut function for producing die-cut, ready-made labels/decals without the need of a post-trimming process. Since the perforated cut can also be applied to contour cutting, it can produce unique, custom-shaped stickers ready to be shipped. This eliminates the post trimming process and supports short turn-around jobs.

Reliability, Durability and Safety

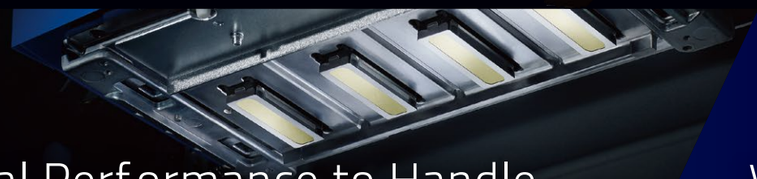
The VG2/SG2 series with new TR2 ink is certified for long-lasting results by 3M™ MCS™ Warranty, providing your customers with the assurance of the quality and reliability of their graphics. It is also certified by the Avery ICS Performance Guarantee which provides protection for up to 4 years outdoors and up to 7 years indoor. Graphics produced with TR2 inks are Greenguard Gold certified to be safe when used indoors at schools or hospitals.

3M™ MCS™ Warranty

3M Performance Guarantee

Avery Dennison™ ICS™ Warranty

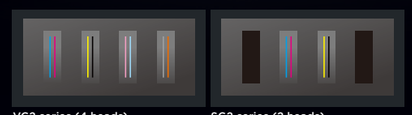
GREENGUARD GOLD — PRODUCT CERTIFIED FOR LOW CHEMICAL EMISSIONS: UL.COM/GG UL 2818



Exceptional Performance to Handle Short Turn-Around Orders

FlexFire Printhead

Roland DG FlexFire printheads maximize printing performance so that even the highest speed setting delivers neutral grays, vivid colors, and smooth skin tones.

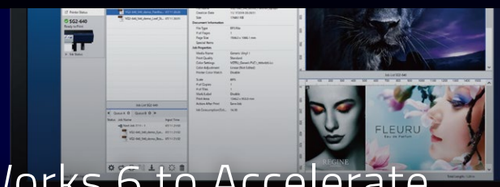


VG2 series (4 heads) SG2 series (2 heads)

Two Take-up Modes
A new take-up unit supports two modes according to the type of media chosen, securing take-up stability for smooth post processing.

Nozzle- Mask Function
A Nozzle Mask function allows you to continue printing even when a nozzle is clogged with ink.

New Media Clamp
A new media clamp allows sheet cutting without removal.



VersaWorks 6 to Accelerate your Printing Business

The new VersaWorks 6 bundled RIP software is designed to simplify operation while maximizing the power of your VG2/SG2 series and other Roland DG devices. A Harlequin RIP dual-core engine with support for PDF 2.0 and native 64-bit processing provides accurate rendering of PDFs with shadows and transparencies.

- An icon-based interface with drag-and-drop functionality facilitates ease of use
- Five print queues and the ability to save and store unlimited queue settings
- Special Color Plate Generation lets you auto-generate White ink layers
- Built-in Pantone® and Roland Color spot color libraries
- Easy printer color matching for consistent colors

VersaWorks™ HARLEQUIN™ PANTONE® Digital Color 2.0 PDF