

TrueVis MG2 Series

UV Printer/Cutters



Product Information Guide

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Product Overview

The TrueVis MG2-640 and MG2-300 advance Roland DG's UV roll-to-roll print-and-cut platform with a new 1.33-inch, 300-npi printhead designed to increase productivity while maintaining smooth gradients, crisp detail, and consistent image quality.

The MG2 Series combines single-pass multilayer printing, integrated contour cutting, automated maintenance, a 7-inch touchscreen, standard take-up, and 1,000 ml ink pouches in 64-inch and 30-inch models. Four fixed ink configurations allow customers to prioritize maximum CMYK productivity, high-density White, Gloss effects, or expanded-gamut Orange and Red.

- **Faster UV Production**

The new 1.33-inch, 300-npi printhead increases nozzle density and ink output to support higher production speeds while maintaining TrueVis print quality.

- **Single-Pass Multilayer Printing**

Produce three- to five-layer jobs in a single pass without media pullback, helping improve layer-to-layer registration and simplify day/night, window, and textured-effect workflows.

- **Flexible Ink Configurations**

Four configurations combine CMYK with White, Gloss, Orange, and Red to support different production priorities and application requirements.

- **Automated Maintenance**

An automatic cloth wiper, dedicated cleaning liquid, drain-bottle sensor, and cap-top UV protection help reduce routine operator intervention and support stable printhead condition.

- **Integrated Workflow**

The 7-inch touchscreen, VersaWorks 7, direct prepared-job access, standard take-up, and Roland DG Connect support a more streamlined production and device-management workflow.

- **Product Summary:**

The TrueVis MG2 Series combines higher productivity, specialty-ink capability, multilayer printing, integrated print-and-cut, and simplified operation in 64-inch and 30-inch UV production platforms.

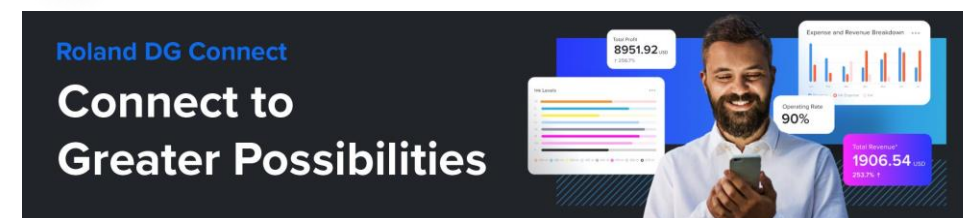
TrueVis MG2 Series



Product Overview

Product concept:

The MG2 Series combines faster UV production, high-value specialty output, integrated print-and-cut, and automated maintenance in a standard-class platform. It is available in 64-inch and 30-inch models with four ink configurations.



Product Overview

What is new compared to the MG-640?

Area	MG-640	MG2-640
Printhead	Older Generation	New 1.33-inch, 300-npi printhead
Multilayer Printing	Previous layered-print workflow	Up to five layers in one pass without media pullback
Ink Capacity	500 ml; 220 ml White	1000 ml pouches all colors
Take-up Unit	Optional	Smart Take Up Included
Maintenance	Conventional rubber wiper system	Automated cloth wiper, dedicated cleaning liquid and cap-top UV protection
Operator Interface	Conventional control panel	7-inch touchscreen with prepared-job access
CMYK-to-White Speed	17.2 sq. ft./h	39.8 sq. ft./h

Features and Benefits

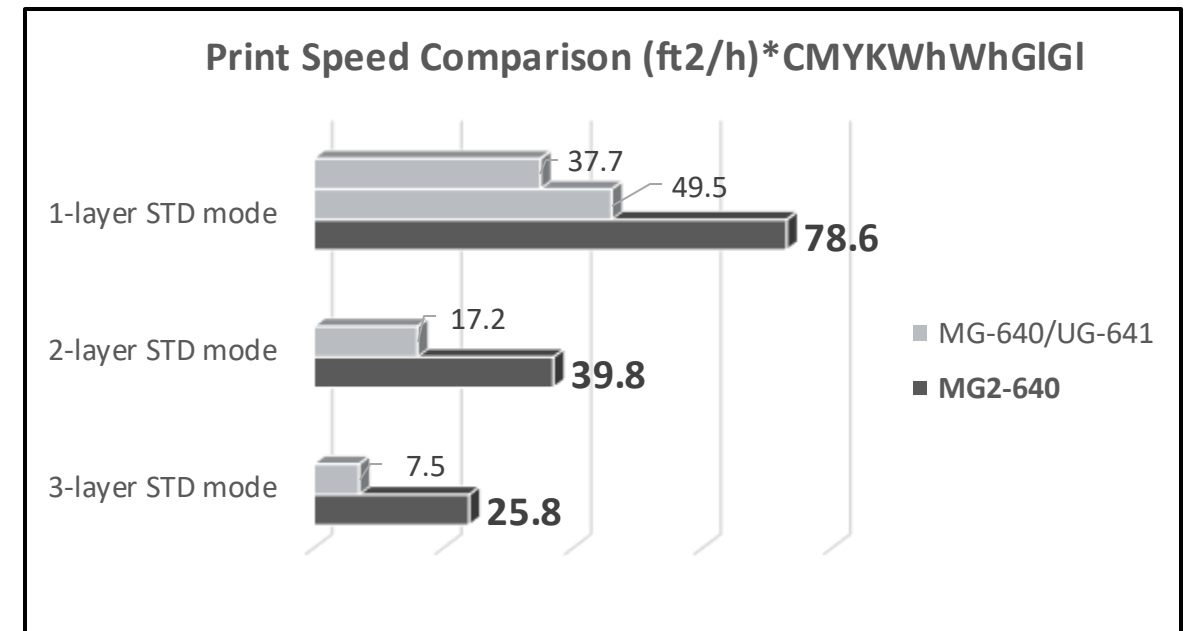
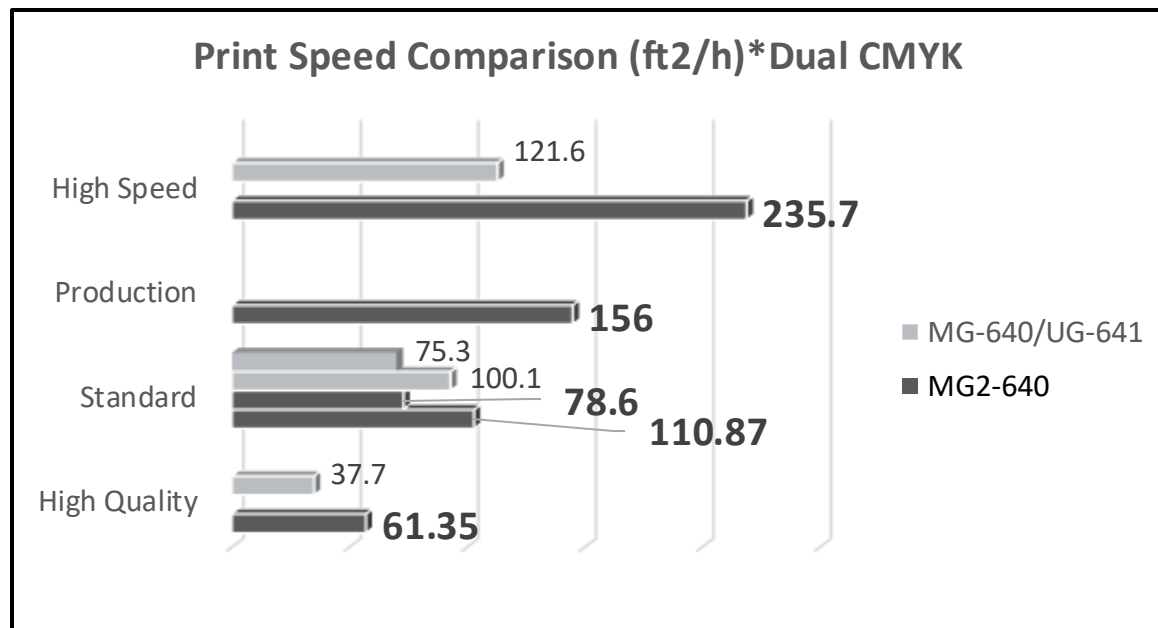
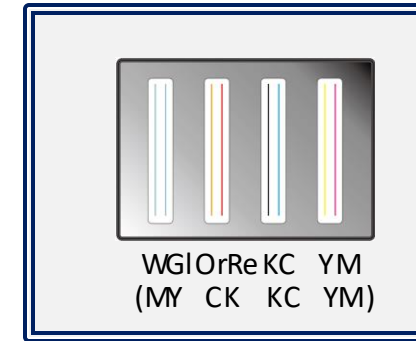
Feature	What It Does	Why It Matters
Single-Pass Multilayer Printing	Prints three to five layers without media pullback.	Simplifies layered production and improves layer-to-layer registration.
Day/Night Graphics	Combines color and White layers for different reflected and illuminated appearances.	Creates premium window, lightbox, and backlit applications.
Textured and Decorative Effects	Uses Gloss and layered ink to add dimension and tactile effects.	Opens higher-margin decorative, label, and specialty work.
Integrated Print-and-Cut	Prints and contour-cuts on one device.	Reduces transfers, alignment steps, equipment footprint, and operator handling.
Standard Take-Up Unit	Collects roll media during production and can support print/cut workflows.	Keeps output controlled and supports longer unattended runs.
7-inch Touchscreen	Provides visual setup, status, and job controls.	Reduces training time and makes daily operation easier.

Features and Benefits

Feature	What It Does	Why It Matters
Automatic Cloth Wiper	Removes fine ink residue more effectively than a conventional rubber wiper.	Supports nozzle stability and reduces routine operator intervention.
Dedicated Cleaning Liquid	Automatically maintains the printhead and wiper system.	Helps reduce downtime and supports consistent output.
Cap-Top UV Protection	Uses motor-controlled shielding to reduce UV exposure at the cap top.	Helps prevent UV-related maintenance issues.
1,000 ml Ink Pouches	Provides twice the nominal capacity of the previous 500 ml format.	Reduces ink changes and supports longer production runs.
Direct Job Printing	Lets operators select and print prepared VersaWorks jobs from the panel.	Reduces trips to the RIP workstation and simplifies repeat work.
Roland DG Connect	Adds monitoring, job data, backup, remote, and business tools.	Improves visibility, uptime, and production continuity.
VersaWorks 7 RIP Software	Manages color, profiles, job queues, nesting, print-and-cut data, and production settings.	Gives operators powerful production control through a familiar and intuitive Roland DG workflow.

Features and Benefits

The MG2 Series' new 1.33-inch, 300-npi printhead increases nozzle density and ink output to deliver improved productivity without compromising TrueVis image quality. In CMYK production, it supports faster output while maintaining smooth gradients, crisp detail, and consistent color. In the CMYKWhWhGIGI configuration, the higher-density printhead significantly improves White and Gloss productivity, enabling more efficient multilayer graphics with stronger opacity, dimensional effects, and precise layer-to-layer registration.

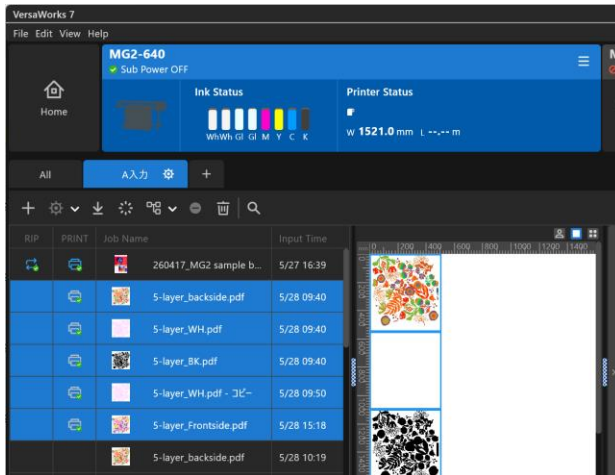


*Please note that the information above is preliminary as of today.

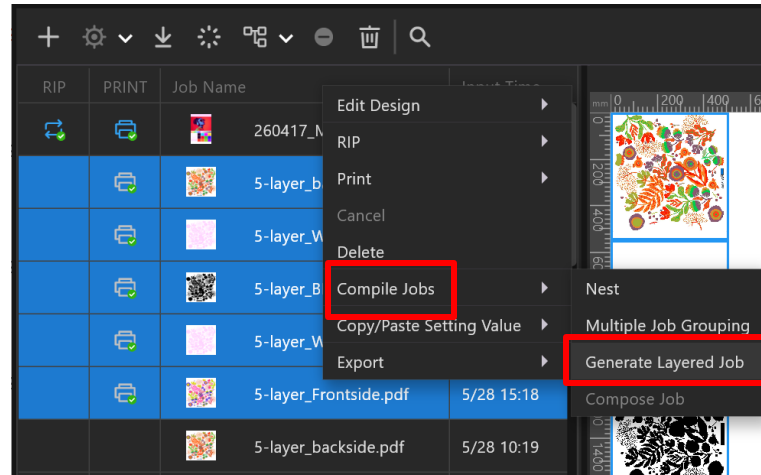
Features and Benefits

One-Pass Multilayer Printing Workflow

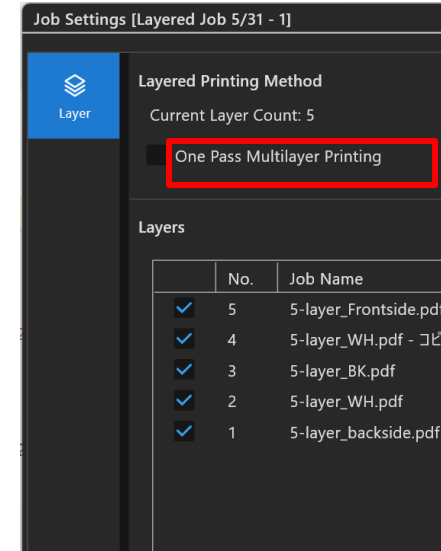
1. Add jobs to job list



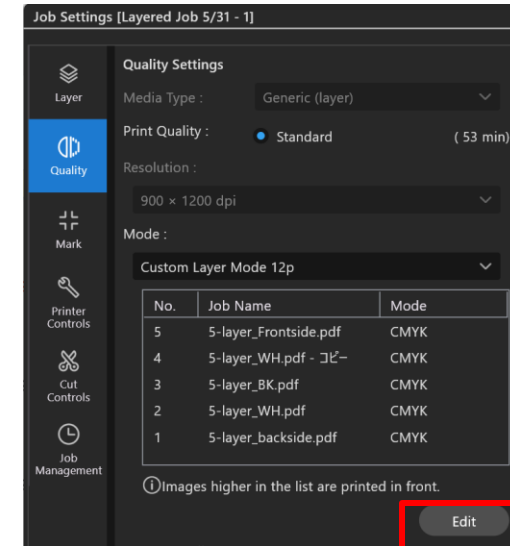
2. Select jobs and right click
Compile jobs-> Generate Layered job



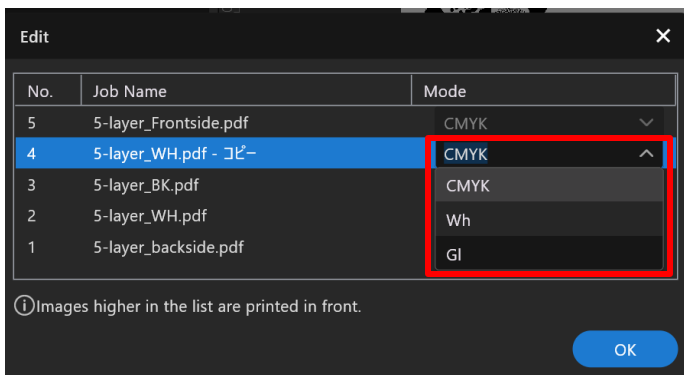
3. Click the checkbox
One-Pass Multilayer Printing



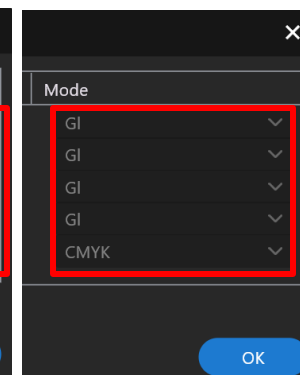
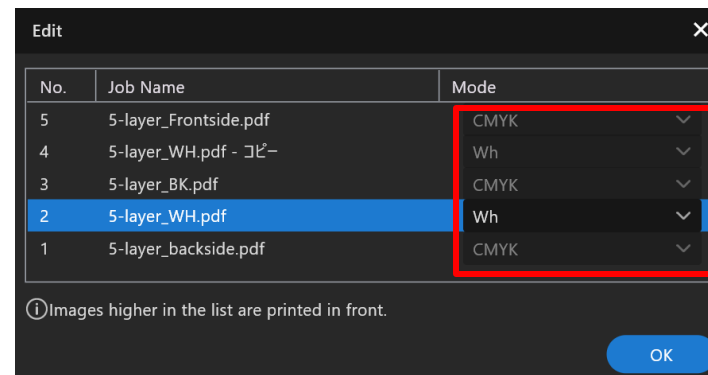
4. Click Edit button
to select each layer's mode



4. Select each layer's mode
from CMYK/Wh/GI



5. Done

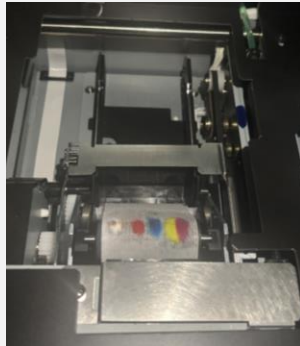


Features and Benefits

✓ New Cloth Wiper

The new cloth wiper is designed to remove fine ink residue from the printhead surface more effectively than a conventional rubber wiper.

Benefit: Helps maintain nozzle condition and supports more consistent droplet placement and print quality.



✓ Automated Cleaning System

The MG2 Series uses a dedicated cleaning liquid as part of its automatic maintenance system to help keep the printhead and wiper area clean.

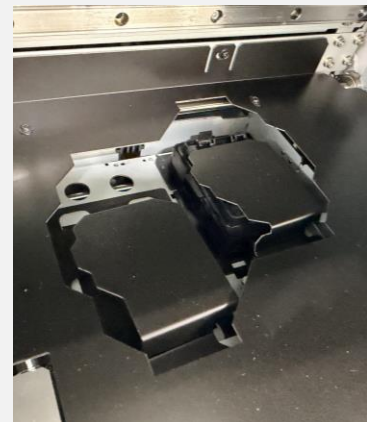
Benefit: Reduces routine manual maintenance and helps support stable print performance over time.



✓ Cap-Top UV Protection

A motor-controlled cap-top protection system helps shield the capping area from unnecessary UV exposure.

Benefit: Helps reduce UV-related contamination and supports more reliable cap-top and printhead maintenance.

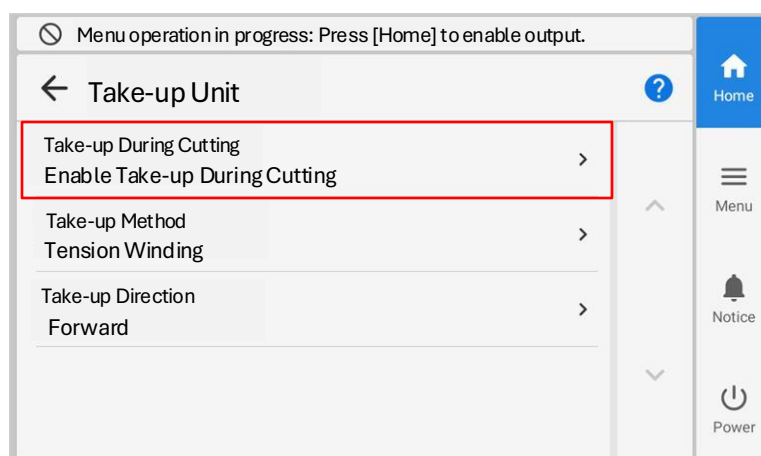
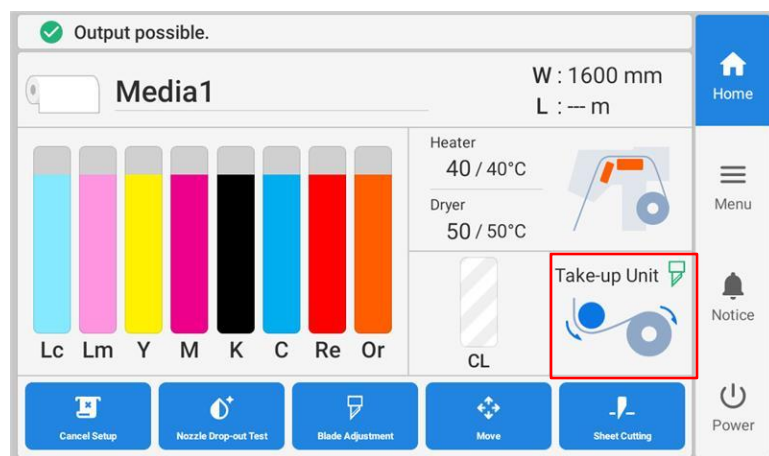


Features and Benefits

Included Smart Take-Up System

The MG2 Series includes a newly designed take-up unit as standard to support consistent media handling during longer production runs. It can be used with both print-only and print-and-cut workflows, helping to maintain controlled media tension and alignment while reducing operator intervention.

Benefit: Supports smoother media handling, longer production runs, and a more efficient overall workflow.



Features and Benefits

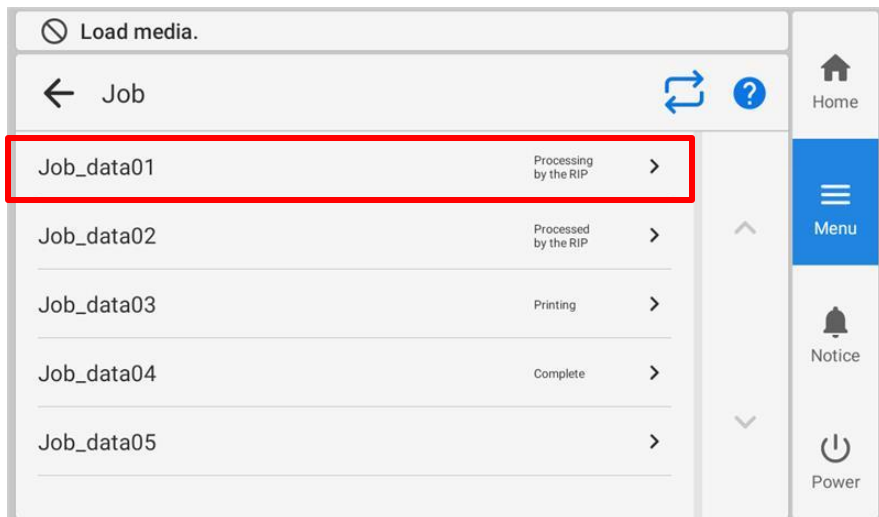
Direct Print from the MG2 user panel

Operators can access prepared VersaWorks 7 jobs directly from the MG2 control panel, reducing the need to return to the RIP workstation for common production tasks.

From the control panel, users can:

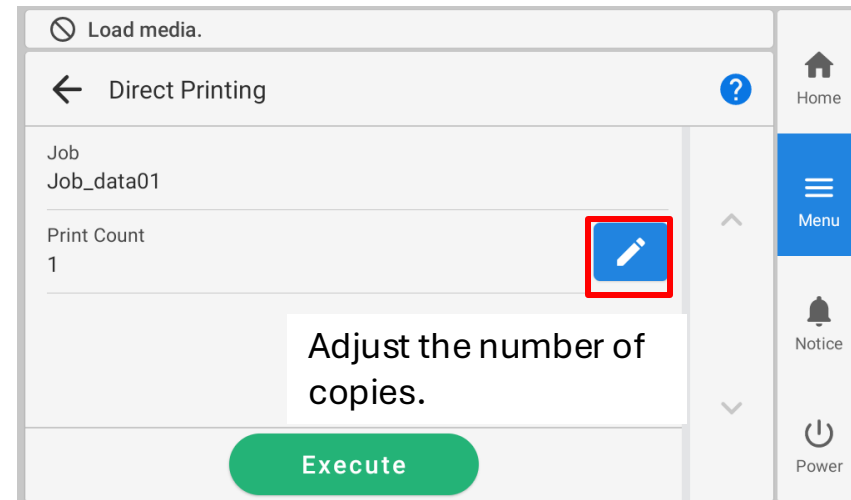
- Browse designated VersaWorks 7 folders
- Select prepared job files
- RIP and print selected jobs
- Print jobs that have already been RIP processed
- Adjust the number of copies

Note: RIP-only processing is not supported from the MG2 control panel.



Direct printing from the MG2 control panel allows operators to select and start prepared VersaWorks 7 jobs without returning to the RIP workstation. This simplifies repeat production, reduces unnecessary operator steps, and helps ensure the correct prepared job is used each time.

Benefit: Faster access to repeat jobs, more consistent production, and a more efficient day-to-day workflow.

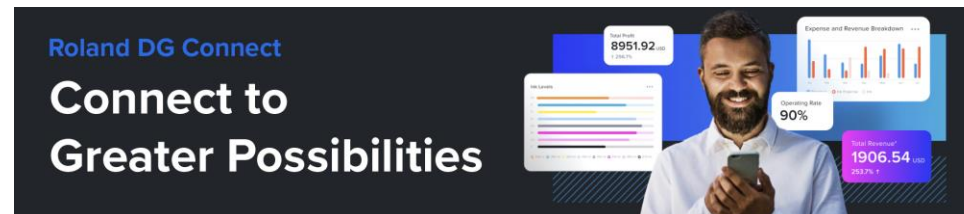


Software Overview

Roland DG Connect

Feature	What It Does	Why It Matters
Real-Time Monitoring	Shows status, ink levels, print counts, and errors.	Helps operators identify issues before they interrupt production.
Health Check	Summarizes device condition and maintenance information.	Supports informed maintenance decisions and stable operation.
Job Log and Usage Data	Tracks jobs, media, ink consumption, and operating history.	Improves estimating, pricing, and production analysis.
Business Dashboard	Provides operational and ROI-oriented reporting.	Helps owners understand utilization and production performance.
Multi-Device Management	Organizes supported Roland DG devices in one environment.	Improves visibility across mixed or growing equipment fleets.

Access via any web browser on Windows 10/11, macOS, or mobile (iOS/Android) devices.

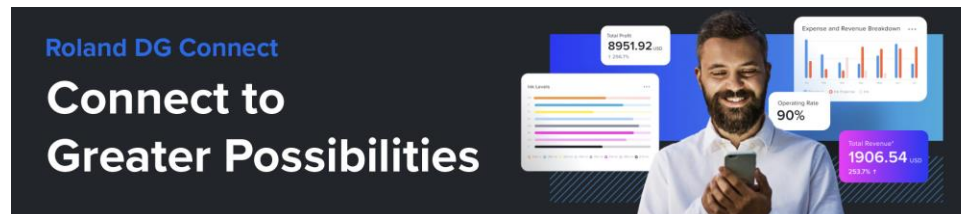


Software Overview

Connected Workflow Modules

Module	What It Does	Why It Matters
Designer Visual Communication	Creates print-ready graphics and special-color layers in a browser-based tool.	Reduces design and prepress steps for signage, decals, labels, and print-and-cut work.
VersaWorks Backup	Backs up settings, queues, jobs, and source files to the cloud.	Speeds recovery after PC failure or software reinstallation.
VersaWorks Remote	Adds and starts prepared jobs through Roland DG Connect.	Keeps production moving when the operator is away from the RIP PC.
VersaWorks ColorMatch	Supports printer emulation, equalization, and media-profile creation.	Improves repeatability across printers, media, and mixed production environments.
Availability	Functions may be optional, subscription-based, or region-dependent.	Set expectations correctly during the sales process.

Access via any web browser on Windows 10/11, macOS, or mobile (iOS/Android) devices.



Top Product Advantages of the MG2 Series

Faster, High-Quality UV Production

Capable of print speeds up to 235.7 ft²/h, while maintaining smooth gradients, crisp detail, and variable-dot print quality.

Single-Pass Multilayer Printing

Produces three- to five-layer graphics without media pullback, helping improve layer-to-layer registration and simplify multilayer workflows.

Flexible Ink Configurations

Four configurations support different production priorities, including maximum CMYK productivity, high-density White and Gloss, and expanded-gamut Orange and Red.

More Efficient Ink and Maintenance Workflow

1,000 ml ink pouches reduce replacement frequency, while automated maintenance helps reduce routine operator intervention during production.

Integrated Print, Cut, and Take-Up

Printing, contour cutting, and controlled media take-up are integrated into a single production platform for a more streamlined workflow.

Connected Roland DG Workflow

VersaWorks 7 and Roland DG Connect support job preparation, repeat production, device monitoring, and day-to-day workflow management.

Product Value:

The MG2 Series combines higher UV productivity, specialty-ink capability, multilayer printing, integrated print-and-cut, and simplified operation in one versatile platform.

TrueVis MG2 Series



Ink Consumption

Ink consumption_EUV5EP

6C (CMYKIWhWhGIGI)

	N5A	N2A
Print Data		
Color Setting	True Rich Color Standard	
Size	A2	

Mode	Quality	Resolution (dpi)	Color	Pass	N5A (ml)	N2A (ml)
Generic	Artistic	1200 x 1800	CMYK	24	1.94	3.21
	High Quality	1200 x 1200		16	1.79	3.02
	Standard	900 x 1200		16	1.81	3.24
	High Speed	900 x 600		12	1.77	3.20
				8	1.54	2.60

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Print Speeds

CMYK(OrRe)

Media	Print Mode	Mode	Resolution (dpi)	Scan Speed (mm/s)	Pass	MG2-640	MG2-300
						m2/h	m2/h
Generic	Artistic	CMYK(OrRe)	1200 x 1800	914	24	2.8	TBD
	High Quality	CMYK(OrRe)	1200 x 1200	914	16	4.3	
	Standard	CMYK(OrRe)	900 x 1200	1219	16	5.4	
		CMYK(OrRe)		1219	12	7.3	
	High Speed	CMYK(OrRe)	900 x 600	1219	8	10.8	

 : Default setting

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Print Speeds

CMYK

Media	Print Mode	Mode	Resolution (dpi)	Scan Speed (mm/s)	Pass	MG2-640	MG2-300
						ft2/h	ft2/h
Generic	High Quality	CMYK	1200 x 1800	914	12	61.4	TBD
	Standard	CMYK	900 x 1800	1219	12	78.6	
		CMYK	900 x 1200	1219	8	110.9	
	Production	CMYK	900 x 1200	1219	6	156.1	
	High Speed	CMYK	900 x 600	1219	4	235.7	
		: Default setting					

TrueVis
MG2 Series



Periodic Replacement Parts

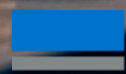
Item Name	Approximate timing of replacement
Print head	50 billion shots
Wiper *	Wiping 190 times
Flushing sponge*	6 months
Scan motors	3,000 hours
Ink tube	3,000 hours
Lithium battery	24 months
UV lamp	3,000 hours
UV lamp filter	Replace it if the filter has been clogged with dust and ink.
Pinch roller	Replace it if the rubber part is worn out.
Blade protector	Replace it if there are scratches on it.

Specifications

		MG2-640	MG2-300
Printing method		Piezo ink-jet method	
Media	Width	335 to 1,625 mm (13.2 to 64 in.)	182 to 762 mm (7.2 to 30 in.)
	Thickness	Max. 1.0 mm (39.3 mil) with liner, for printing Max. 0.4 mm (15.7 mil) with liner and 0.22 mm (8.6 mil) without liner, for cutting	
	Roll outer diameter	Max. 250 mm (9.8 in.)	
	Roll weight	Max. 45 kg (99 lb.)	Max. 30 kg (66 lb.)
	Core diameter	76.2 mm (3 in.) or 50.8 mm (2 in.)	
Printing/cutting width (*1)		Max. 1,600 mm (62.9 in.)	Max. 736 mm (28.9 in.)
Ink	Type	UV Ink (EUV5EP) 1,000ml pouch	
	Colors	Eight colors (Cyan, Magenta, Yellow, Black, Gloss, White, Orange, and Red) Seven colors (Cyan, Magenta, Yellow, Black, White (2 pouches), Orange, and Red) Six colors (Cyan, Magenta, Yellow, Black, Gloss (2 pouches), and White (2 pouches)) Four colors (Cyan, Magenta, Yellow, and Black)	
Ink-curing unit		Built-in UV-LED lamps	
Printing resolution (dots per inch)		Max. 1,800 dpi	
Cutting speed		10 to 300 mm/s (0.39 to 11.8 in./s)	
Blade force (*2)		30 to 500 gf	
Blade	Type	Roland CAMM-1 series blade	
	Offset	0.000 to 1.500 mm (0.0 to 59 mil)	
Software resolution (when cutting)		0.025 mm/step (0.98 mil/step)	
Media heating system (*3)		Front heater set temperature : 30 to 55 °C (86 to 131 °F)	
Connectivity		Ethernet (100BASE-TX/1000BASE-T, automatic switching)	
Power-saving function		Automatic sleep feature	
Rated input		100-120/220-240 Va.c. 50/60 Hz 5.3/2.7 A	100-120/220-240 Va.c. 50/60 Hz 4.1/2.0 A
Power consumption	During operation	Approx. 700 W	Approx. 550 W
	Sleep mode	Approx. 65 W	
Acoustic noise level	During operation	66 dB(A) or less	
	During standby	62 dB(A) or less	
Dimensions (Width x Depth x Height)		2,902 mm × 748 mm × 1,412 mm (114.3 in. x 29.5 in. x 55.6 in.)	2,038 mm × 748 mm × 1,412 mm (80.3 in. x 29.5 in. x 55.6 in.)
Weight		210 kg (463 lb.)	165 kg (364 lb.)
Environment	During operation (*4)	Temperature : 20 to 32 °C (68 to 89.6 °F) , Humidity : 35 to 80 % RH (no condensasion)	
	Not operating	Temperature : 5 to 40 °C (41 to 104 °F) , Humidity : 20 to 80 % RH (no condensasion)	

A man with short dark hair, wearing a dark green button-down shirt, is focused on operating a large industrial vinyl cutter. He is holding a thin wire or tool near the cutting head of the machine. The machine is blue and silver, with a large roll of material being cut. The background is a soft, out-of-focus gradient of orange and blue. The text "Make Your Mark" is overlaid in a large, white, serif font across the center of the image.

Make Your Mark

The Roland logo, consisting of a blue square with a white horizontal line through it, followed by the word "Roland" in a white sans-serif font.

Roland

Thank You!