Roland



The powerful GR cutter series from Roland DG

CAMM-1

GR-640 / GR-540 / GR-420

Cuts More.
Cuts Faster.
Cuts Tougher.

The powerful GR cutter series from Roland DG

Pushing the boundaries of what you thought it was possible to cut. The CAMM-1 GR series takes cutting productivity, precision and strength to the next level. As the pioneers of high-precision vinyl cutting, Roland DG now returns with an intuitive, versatile solution. Stand-alone cutter or paired with your existing printer - it's entirely your choice. But be sure - you can power up your business with the GR cutter series.

CAMM-1

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New electronic pinch rollers

10 settings at the touch of a button to feed media with just the right amount of pressure

LED status lamp

Instantly check job status from a distance

Handles

Handle for moving the unit easily

Tray

Convenient storage of blades, blade holders and other small items



Digital encoder for variable blade height control

Ensures maximum throughput and reduces the risk of substrate damage.

Newly designed cutting carriage

Up to 600 gf downforce for maximum media compatibility

L-shaped design

Robust integrated stand and media holder increase stability and minimise vibration

Media basket

Keeps media clean and contained, even with lengthy cuts. Comes as standard.

PRODUCTIVITY

The fastest cutter in its class

Delivering up to 1,485 mm per second, the CAMM-1 GR cutter boasts the fastest throughput in its class. Its optimised cutting carriage drive system boosts productivity even further by minimising the vertical distance the blade has to travel. When it comes to finishing, productivity once again is built-in, offering advanced weeding tools that will help you keep pace with the GR's high-speed production.



QUALITY

High-precision cutting, even in high-speed mode

The GR delivers precision results, even when operating at high-speed. Designed for both strength and stability, the powerful new cutting carriage and blade holder deliver up to 600 gf downforce, while the ergonomic L-shaped design of the integrated stand and machine provide maximum stability to ensure an outstanding quality finish.

Intelligent tracking and feeding

For improved tracking and smooth media feeding without feed marks, the GR's new electronic pinch rollers can be adjusted at the touch of a button to up to 10 pressure settings to handle even the most challenging of media including soft flock materials, thin window tint films and thick reflective film.



VERSATILITY

An unrivalled choice of media options

With its impressive cutting power and variable pinch roller pressure, the GR is compatible with a huge range of media, so you can offer your customers an even wider choice of applications. Cut sign vinyl, reflective film, magnetic rubber, sandblast masking, window tint, flock, foil, laminated graphics, cardboard and much more. It's certainly up for the challenge.

EASE OF USE

Advanced new Roland CutStudio software

Designed to integrate easily into any workflow, the GR features both USB and Ethernet connectivity and runs from a wide range of software packages. Not only that, included with the GR series is the newly upgraded Roland CutStudio software which makes it quicker and easier than ever to create and edit cutting data. Exclusive plugins with Adobe® Illustrator®, CorelDRAW® and drivers to other design software, allow seamless integration to support the most complex design requirements.

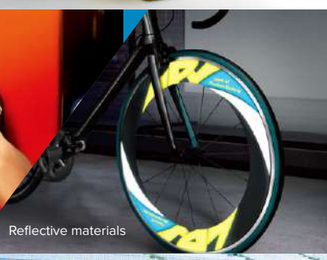
Roland CutStudio's advanced features include:

Weed line : reduce post-production time with the ability to include vertical and horizontal lines for easy weeding
Perforated cut line : cut the face sheet and through the media on labels and stickers to deliver a professional finish, fast.
Cut color : designate color to cutting lines according to type for maximum cutting efficiency
Tiling : for easy application, accurately cut graphics for large installation in sections
Zoom in / out : scale artwork up or down in percentage increments
Overlap cutting : specify the number of passes for jobs requiring more than one cut pass


Labels and packaging



Magnetic rubber


Reflective materials



Window graphics


Vehicle wrap



GR-640 1,802mm (70") cutter



GR-540 1,548mm (60") cutter



GR-420 1,224mm (48") cutter

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Roland CutStudio

Roland DG Creative Center

Roland DG Academy

Roland DG Care

Specifications				
Model		GR-640	GR-540	GR-420
Mechanism / Driving method		Media-movement method / Digital control servo motor		
Acceptable media widths		Max. 1,802 mm (70 in.)	Max. 1,548 mm (60 in.)	Max. 1,224 mm (48 in.)
Maximum cutting area		Width: 1,651 mm (65 in.) Length: 25 m (984 in.)	Width: 1,397 mm (55 in.) Length: 25 m (984 in.)	Width: 1,075 mm (42 in.) Length: 25 m (984 in.)
Maximum cutting speed		1,485 mm/s (High speed mode, in 45°direction)		
Cutting speed / Cutting force		10 - 1,050 mm/s (in increments of 10 mm/s) / 20 - 600 gf (in increments of 10 gf)		
Mechanical resolution		0.005 mm/step		
Software resolution		0.025 mm/step		
Distance accuracy		Error of no more than +/-0.2% of distance traveled, or 0.1 mm (0.00394 in.), whichever is greater		
Repetition accuracy *1 *2		0.1 mm or less		
Interface		Ethernet 10BASE-T / 100BASE-TX (auto-negotiation), USB 2.0 (full speed)		
Buffer size		8MB (2MB for re-plot buffer)		
Power supply / Power consumption		AC 100 - 240 V 50/60 Hz 0.7 A / Approx. 70 W		
Acoustic noise level	During operation	67 dB (A) or less (according to ISO7779)		
	During standby	43 dB (A) or less (according to ISO7779)		
Dimensions with stand		2,165 mm (W) × 740 mm (D) × 1,190 mm (H)	1,910 mm (W) × 740 mm (D) × 1,190 mm (H)	1,650 mm (W) × 740 mm (D) × 1,190 mm (H)
Weight with stand		93.5 kg	87 kg	78 kg
Packaging dimensions		2,300 mm (W) × 565 mm (D) × 770 mm (H) (90.5 in. (W) × 22.2 in. (D) × 30.3 in. (H))	2,050 mm (W) × 565 mm (D) × 770 mm (H) (80.7 in. (W) × 22.2 in. (D) × 30.3 in. (H))	1,740 mm (W) × 565 mm (D) × 770 mm (H) (68.5 in. (W) × 22.2 in. (D) × 30.3 in. (H))
Packaging weight		128 kg	118 kg	108 kg
Operating environment		Temperature: 5 to 40 °C (41 to 104 °F) , Humidity: 35 to 80 % (no condensation)		
Included items		Power cord, electrical plug adopter, blade (ZEC-U5032, 1pc), blade holder (XD-CH4-BL), cable clamp, replacement blades for sepa rating knife, installation guide, USB cable (2 m), alignment tool, Roland DG software (to download), user's manual (to download)		

*1 Only applicable under certain internal test conditions with the usage of specific vinyl sheet and cut settings. *2 Excluding stretching/contraction of the material.

Options		
Blades	ZEC-U5032	0.25mm offset, 2-pcs, For reflective, fluorescent and standard materials
	ZEC-U5025	0.25mm offset, 5-pcs, For reflective, fluorescent and standard materials
	ZEC-U5022	0.25mm offset, 2-pcs, For standard materials
	ZEC-U5010	0.50mm offset, 2-pcs, For window tint application
	ZEC-U3017	0.175mm offset, 3-pcs, For small letters or intricate designs
	ZEC-U1715	0.25mm offset, 5-pcs, For sandblast stencils
	ZEC-U3050	0.50mm offset, 5-pcs, For thick materials
	ZEC-U3075	0.75mm offset, 5-pcs, For thick materials
	ZEC-U3100	1.00mm offset, 5-pcs, For thick materials
Blade holders	XD-CH4-BL	Blade holder with blade extention adjuster, color Blue
	XD-CH4-OR	Blade holder with blade extention adjuster, color Orange
	XD-CH4-RD	Blade holder with blade extention adjuster, color Red

Software	Operating System	Application Software
Roland On Support	Windows® 7/8/8.1/10 (32/64-bit)	
Roland CutStudio	Windows® 7/8/8.1/10 (32/64-bit)	
Roland CutStudio Plug-in for Adobe® Illustrator®	Windows®*, MAC OS*	Adobe® Illustrator® CC (2014) /CC (2015) /CC (2017)
Roland CutStudio Plug-in for CorelDRAW ®	Windows®*	CorelDRAW® X6/X7/X8

*Operating system version must have compatibility with the software shown above.

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