CAMM-1
GR-640 / GR-540 / GR-420

CUTS MORE. CUTS FASTER.
CUTS TOUGHER.

THE POWERFUL GR CUTTER SERIES

Roland

CAMM-1
GR-640 / GR-540 / GR-420

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. Use as a stand-alone cutter or pair with your existing printer - it's entirely your choice. But be sure, you can power up your business with the GR cutter series.

PRODUCTIVITY

The fastest cutter in its class
Delivering up to 1,485mm 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 and advanced weeding tools will help you keep pace with the GR's high-speed production.

Dual position cutting carriage with sheet cutter

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 600g of downforce, while the new L-shaped design of the integrated stand and machine provides maximum stability to ensure an outstanding quality finish.

Laminated graphics

Signs

Labels and packaging prototypes

Reflective graphics

Electronic pinch roller control
For improved tracking and smooth media feeding without feed marks, the GR's new electronic pinch rollers have up to 10 pressure settings to handle even the most challenging of media including soft flock materials, thin window tint and thick reflectives.

Window graphics

Apparel

Sandblast / paint stencils

Floor graphics

KEY FEATURES

Newly designed cutting carriage
Up to 600g of downforce for enhanced media compatibility.

LED status lamp
Instantly check job status from a distance.

Digital encoder for variable blade height control
Ensures maximum throughput and reduces the risk of substrate damage.

Dual position cutting carriage
For standard and perforated cutting.

Optical registration system
For accurate contour cutting of printed graphics.

Tray
Convenient storage of blades, blade holders and other small items.

New electronic pinch rollers
10 settings at the touch of a button to feed media with just the right amount of pressure.

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.

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. Cut sign vinyl, reflective film, sandblast masking, window tint, flock, foil, laminated graphics and much more. Plus, cut and crease cardboard for realistic packaging prototypes. The GR is certainly up for the challenge.
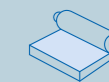
Window tint film | Garment heat transfer | Sign vinyl | Sandblast masking | Laminated graphics

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. With included Windows® driver, plug-ins for Adobe® Illustrator® and CorelDRAW® plus the ability to cut from VersaWorks Dual, the GR allows seamless integration to support the most complex design requirements and create an easy cut or print then cut workflow.

Roland CutStudio's advanced features include:
weeding lines: minimise production time with the ability to include vertical, horizontal and ring throw lines for easy weeding;
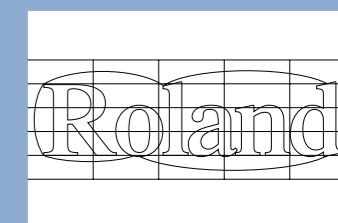**perforated cutting:** cut the face sheet and through the media on labels and stickers to deliver a professional finish, fast;
coloured cutting lines: designate colour to cutting lines according to type for maximum cutting efficiency;
tiling: for easy application, accurately cut graphics for large installations in sections;
scale settings: scale artwork by units or percentage increments;
overlap cutting: specify the number of passes for jobs requiring more than one cut pass.

Advanced weeding auxiliary line function

CAMM-1 GR series

GR-640 **GR-540** **GR-420**

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 mm/s - 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 travelled, 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 to 240 V 50/60 Hz 0.7 A / Approx. 70 W		
Acoustic noise level — During operation	67dB(A) or less (according to ISO7779)		
Acoustic noise level — During standby	43dB(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 cable, electrical plug adapter, blade (ZEC-U5032, 1pc), blade holder (XD-CH4-BL), cable clamp, replacement blades for separating 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 extension adjuster, colour Blue
	XD-CH4-OR	Blade holder with blade extension adjuster, colour Orange
	XD-CH4-RD	Blade holder with blade extension adjuster, colour Red

Software

Software	Operating System	Application software
Roland On Support	Windows7/8/8.1/10 (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.

RolandCare warranty

Roland DG *Care*

Enjoy the peace of mind of having one of the most comprehensive warranty packages in the industry, included with the CAMM-1 GR series.

Imagine. **Roland**

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