



Product Information Guide

CAMM-1 GS-24 Desktop Cutter



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What you need to know

The GS-24 is the newest addition to the legendary CAMM-1 series of vinyl cutters. For more than 20 years, the CAMM-1 series has been synonymous with versatility, precision contour cutting and rugged reliability. The GS-24 continues in the footsteps of its predecessors while introducing significant hardware and software enhancements, making it the most capable, easiest to use 24-inch desktop vinyl cutter Roland has ever made.

When you consider the outstanding cut quality, newly enhanced CutStudio software, and a 40 percent increase in downforce, along with the best support and warranty in the industry, it's no mystery why the GS-24 will be out-cutting and out-selling the competition for years to come.



- **Roland CutStudio Software**

- New additions: Overlap Cutting (up to 10x), Cut by line color, Overcut, Perforated Cutting and Hi-Speed, Heavy & Normal cutting modes for optimal cutting performance
- Easily assign registration marks for precise contour cutting of pre-printed graphics using optical laser alignment
- Import industry standard file formats – .AI, .EPS, .BMP, .JPG
- Use all native True Type fonts in Windows without the need for outlining
- Plugins available for Adobe® Illustrator® (Mac and PC versions) and CoreDRAW® X3, X4, X5 and X6 (PC only)

- **Newly Designed Cutting Carriage**

- Redesigned carriage provides added stability for precision cutting at the highest downforce of 350 grams
- New tool carriage, blade holder and blade ensure superb cut quality on thicker materials
- Newly added LED indicator shows current status of the cutter

- **Compatible with Roland VersaWorks® 5.31 RIP Software**

- Powered by Roland Quadralign™ optical registration system for superior quality and productivity
- Control up to four Roland printers, printer/cutters, or vinyl cutters

The CAMM-1 GS-24 makes contour cutting heat transfers for apparel decals, labels, and signage easier than ever before. Newly added hardware and software enhancements also allow the GS-24 to cut rhinestone template, card stock, magnetic and other specialty materials, enabling users to expand their current product offerings.

Pricing: CAMM-1 Desktop GS-24 \$1995
U.S. List Price, Shipping January 2015

Key Features and Benefits

CAMM-1 GS-24

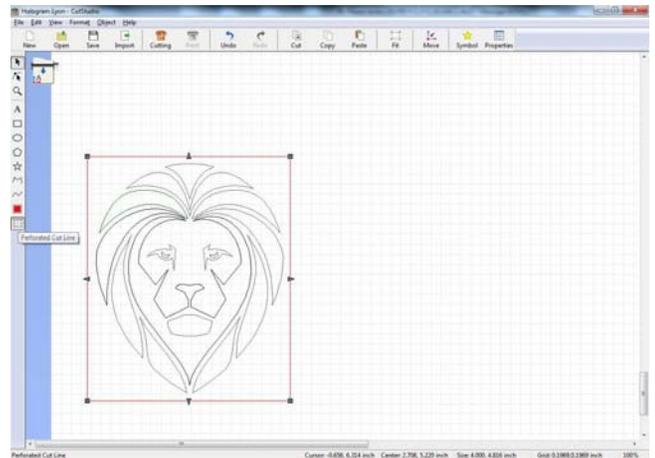
- 350 grams of downforce
- Overlap cutting (up to 10x)
- Perforated cutting
- Overcut function
- Cut by line color
- Optical registration for contour cutting of Pre-printed graphics
- Quadralign with Roland VersaWorks
- Extended mode supports an additional 20 mm in width
- USB 2.0 plug and play with multiple device support
- CutStudio output software
- Industry best Three-Year Trouble-Free Warranty*



*Requires product registration. Valid in Canada, US and Latin America regions only

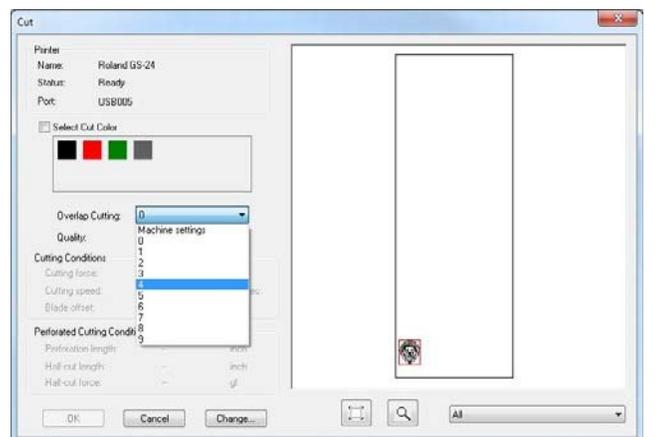
CutStudio Output Software

Roland's powerful CutStudio software makes it easy to design and create custom cut graphics for a wide range of applications, including decorated apparel, signage, labels, decals, vehicle graphics and POP displays. With new additions like overlap cutting, perforated cutting and the ability to cut by line color – all selectable directly from CutStudio – the GS-24 maximizes productivity while providing unparalleled cut quality. Like Roland's CAMM-1 Pro Series cutters, the GS-24 benefits from an improved Windows driver that allows users to set origin and blade locations after cutting. Also included are Windows plugins for Adobe Illustrator 9/10/CS/2/CS3/CS4/CS5/CS6/CC and CorelDraw 10/11/12/X3/X4/X5/X6 as well as a Mac plugin for Adobe Illustrator 9/10/CS/CS2/CS3/CS4/CS5/CS6/CC.



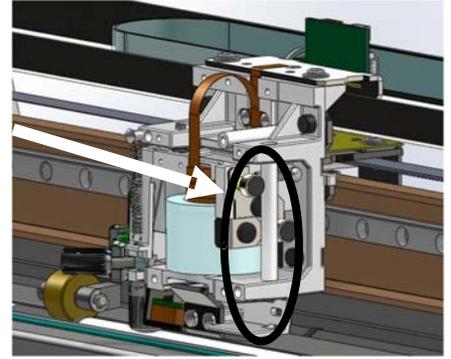
Overlap and Overcut Feature

The GS-24 boasts a new overlap and overcut feature that lets you set any job to be contour cut up to 10 times, making it easy to cut the toughest of materials. The overcut feature, which adds a 1 mm margin to the beginning and end of a vector, improves accuracy and cut quality on sharp corners when cutting thicker materials.



Increased Downforce

The GS-24 has a completely redesigned cutting carriage and tool carriage boasting 350 grams of downforce. Added stability in the cutting carriage combined with a newly designed blade and blade holder help the GS-24 achieve superior cut quality across a wide range of substrates, opening up new applications previous CAMM-1 desktop models couldn't handle.



USB Plug and Play

The GS-24 has an upgraded, high-speed USB 2.0 interface that allows for simple plug and play installation. From out of the box to being ready to go, the GS-24 takes just a few minutes to set up with the latest Windows and Mac Operating systems. The high-speed USB 2.0 interface also allows for multiple CAMM-1 USB devices to be driven from the same workstation, which is just another example of Roland's commitment to developing technologies that improve ease of use and increase overall production.

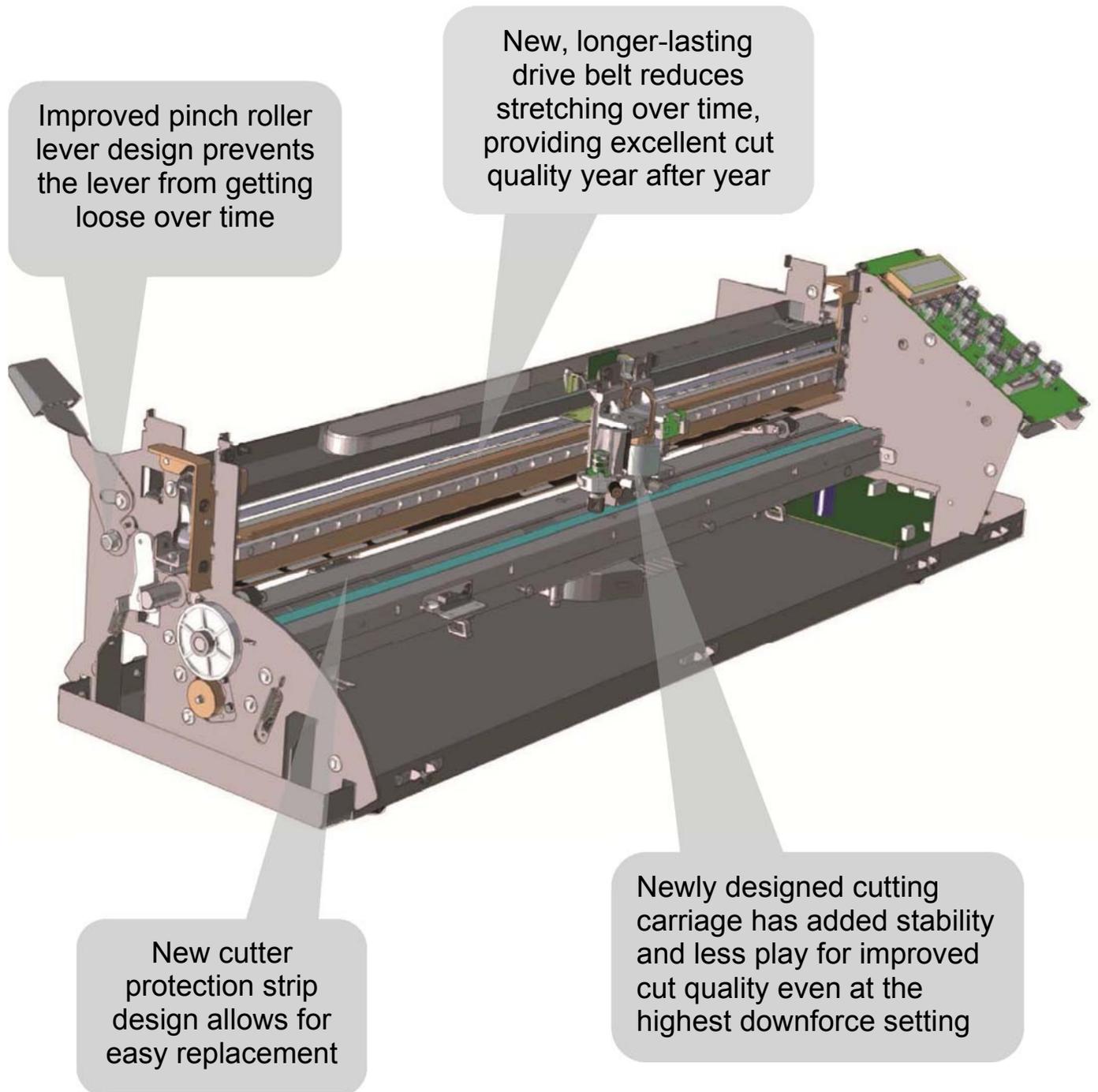
Three-Year Trouble-Free Warranty*

The CAMM-1 series of desktop cutters have become widely known for their outstanding performance and rugged reliability. To prove just how reliable the GS-24 will be day in and day out, Roland is offering an industry best Three-Year Trouble-Free Warranty when the product is registered within 60 days of delivery.

** Requires product registration, only valid in US, Canada and Latin America regions*



Mechanical Structure Changes



Specifications

Model	GS-24	
Driving method	Digital control servo motor	
Cutting method	Media-moving method	
Loadable material width	50 - 700 mm	
Maximum cutting area	Width:584mm Length: 25000 mm	
Acceptable tool	Special blade for CAMM-1 series	
Maximum cutting speed	500mm/s (all directions)	
Cutting speed	10 - 500 mm/s (all directions)	
Blade force	30 - 350 gf	
Mechanical resolution	0.0125 mm/step	
Software resolution	0.025 mm/step	
Distance accuracy *1	Error of less than ± 0.2 % of distance traveled, or ± 0.1 mm, whichever is greater	
Repetition accuracy *1*2	± 0.1 mm or less	
Alignment accuracy for printing and cutting when loading printed material *1*3	± 1 mm or less for movement distance of 210 mm or less in material-feed direction and movement distance of 170 mm or less in width direction (Excluding effects of printer and/or material)	
Interface	USB 2.0	
Replot memory	2 MByte	
Instruction system	CAMM-GL III	
Power supply	Dedicated AC adapter	
	Input: AC 100 to 240 V ± 10 % 50/60 Hz 1.7 A	
	Output: DC 24 V, 2.8 A	
Power consumption	Approx. 30 W (including AC adapter)	
Acoustic noise level	During operation	70 dB (A) or less (according to ISO 7779)
	During standby	40 dB (A) or less (according to ISO 7779)
Dimensions	860 (W) x 319 (D) x 235 (H) mm	
Weight	13.5 kg	
Packaging size	975 (W) x 450 (D) x 390 (H) mm	
Packaging weight	18 kg	
Environment	Temperature: 5 to 40°C (41 to 104°F), humidity: 35 to 80 % (no condensation)	
Included items	AC adapter, power cord, blade, blade holder, roller base, Alignment Tool USB cable, Set UP guide	

*1 According to material and cutting conditions as specified by Roland DG Corp. (using the PNS-24 stand, sold separately).

*2 Excluding material expansion and contraction. Provided that media length is under 1600 mm.

*3 Using Roland CutStudio, a laser or inkjet printer having a resolution of 720 dpi or better. Excluding glossy or laminated material. Excluding effects of printing distortion due to printer precision and effects of material expansion, contraction, or warping. Depending on the ink (black) employed by the printer used, correct sensing may not be possible .

Options

Blades

- ZEC-U5032 For cutting reflective and fluorescent vinyl, as well as sign vinyl in general, offset value 0.25mm, 2-pack
- ZEC-U1715 For cutting sandblast stencils for friction feed, maximum 1.00mm thickness, offset value 0.25mm, 5-pack
- ZEC-U3017 For cutting sign vinyl in general plus cutting small letters or intricate designs, offset value 0.175mm, 3-pack

Blade Holders

- XD-CH3 For sign vinyl in general. Blade holder with blade extension adjuster, made of resin

Operating system

	Operating System	Application Software
Roland OnSupport	Windows® Vista/7/8/8.1 32/64-bit	–
Roland CutStudio	Windows® 7/8/8.1 32/64-bit Windows Vista® Home Premium 32-bit /Business 32/64-bit	–
Roland CutStudio Plug-in for Adobe®Illustrator®	Windows®, MAC OS*	Adobe® Illustrator® CS5/CS6/CC/CC(2014)
Roland CutStudio Plug-in for CorelDRAW®	Windows®*	CorelDRAW® X3/X4/X5/X6/X7

**Supported operating system is limited to the version that is supported by the graphic software*

Summary

The GS-24 is the most technologically advanced, yet easiest to use, 24-inch desktop cutter in Roland's history of the CAMM-1 series. The new and improved hardware and software features make the GS-24 the perfect choice for anyone from a brand new user looking to start a small business to current Roland owners ready to upgrade to the company's best desktop cutter ever. All of the changes made to the GS-24 directly address requests made from end-users, our dealer channel and internal Roland personnel from around the globe.

Roland's commitment to meeting the ever-changing needs of our customers has resulted in not only the most advanced CAMM-1 series cutter, but also the most reliable. Built to deliver unsurpassed performance over the long haul, the GS-24 will further reinforce the trust users have in Roland products. The fact that we're backing up that quality and durability with an industry-best Three-Year Trouble-Free Warranty will also reassure GS-24 customers that they've made a smart buying decision.

With all of the new hardware and software features built into the GS-24, we're confident we will see renewed excitement from existing Roland owners, as well as an influx of new prospects, that will create significant industry buzz and increased sales.

Sell Smart!