

Specifications

Driving method		Digital control servo motor
Cutting method		Media-moving method
Loadable material width		50 to 700 mm (2 to 27-1/2 in.)
Maximum cutting area		Width: 584 mm (22-15/16 in.) Length: 24998 mm (984-1/8 in.)
Acceptable tool		Special blade for CAMM-1 series
Cutting speed		10 to 500 mm/s (all directions)
Blade force		30 to 250 gf
Mechanical resolution		0,0125 mm/step (0,000492 in./step)
Software resolution		0,025 mm/step (0,000984 in./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 interface (compliant with Universal Serial Bus Specification Revision 1.1), Serial (RS-232C)
RePlot memory		800 Kbyte
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		855 (W) x 315 (D) x 240 (H) mm (33-11/16 (W) x 12-3/8 (D) x 9-7/16 (H) in.)
Weight		16 kg (35 lb.)
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, separating knife, roller base, tweezers, test-use material, application tape, USB cable, CD-ROM, user's manual

*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 3000 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.

System Requirements for Included Software

	Roland CutStudio	Roland CutStudio Plug-in for Adobe® Illustrator®	Roland CutStudio Plug-in for CorelDRAW®
Operating System/Application Software	Windows® 7 (32/64-bit); Windows Vista® Home Premium (32-bit)/Business (32/64-bit); Windows® XP Home Edition/Professional (32/64-bit)	Adobe® Illustrator® CS2/CS3/CS4/CS5 for Windows® and MAC OS*1	CorelDRAW® 12/X3/X4/X5 for Windows®*1

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

Options

Environmentally Friendly POP Series Sheets (Non-Chlorine Olefin Sheets)

Product number	Size	Description
POP-M-BK	305 mm x 10 m (12"x 32')	Matte black, 1 roll
POP-M-WH		Matte white, 1 roll
POP-M-RD		Matte red, 1 roll
POP-M-G2		Matte green, 1 roll
POP-M-YE		Matte yellow, 1 roll
POP-M-BL		Matte blue, 1 roll
AP-305		Transfer tape, 1 roll

*If the surface becomes covered with dirt and dust, wipe with water or neutral detergent. Do not use organic solvents or alcohol which can damage the material.
*These sheets, except black, are more transparent than commercially available vinyl sheets. Before gluing onto other sheets or darker materials, be sure to check that you are satisfied with the finished look of the job.



Optional Stand
PNS-24

Blades

Product number	Offset value	Applicable cutting material	Quantity per package
ZEC-U5022	0.25 mm	Signage vinyl in general	2 pcs.
ZEC-U5025	0.25 mm	Thick, reflective and fluorescent vinyl, as well as signage vinyl in general	5 pcs.
ZEC-U3017	0.175 mm	Signage vinyl in general For cutting small letters or intricate designs	3 pcs.

Blade Holders

Product number	Description	Specifications
XD-CH3	Blade holder with blade extension adjuster, made of resin	Standard blade holder for working with signage vinyl in general.
XD-CH2	Blade holder with blade extension adjuster, made of aluminium	Blade holder for signage vinyl in general as well as thicker material. It also performs very well when creating detailed cutting.

Serial Cable

Product number	Specifications
XY-RS-34	3 m (9.8 ft)

ISO 14001:2004 and ISO 9001:2008 Certified

Roland pursues both environmental protection and continuous quality improvement. Under the philosophy of preserving the environment and human health, Roland is actively working to abolish organic solvents in production, to reduce and recycle waste, to reduce power use, and to purchase recycled products. Roland constantly strives to provide the most highly reliable products available.



Roland 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 dealer for details. No guarantee or warranty is implied other than expressly stated. Roland shall not be liable for any incidental or consequential damages, whether foreseeable or not, caused by defects in such products.
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AUTHORIZED DEALER:

Printed in Japan. RDG90328 10 SEP AE-2 G-S

www.rolanddg.com

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Desktop Sign Maker
CAMM-1SERVO
GX-24



Quality Signmaking On Your Desktop.

Signmaking Has Never Been Easier.

With the CAMM-1 GX-24 vinyl cutter, you can create stand-out signage for your business in minutes. The GX-24 includes a host of advanced features that make it both powerful and easy to use. Even novices can master its operation in no time.



■ One Device For A Wide Variety of Applications

Roland's CAMM-1 vinyl cutters have been recognized worldwide as the industry's most cost-effective and reliable tools for producing banners, vehicle graphics, store displays, point-of-purchase materials, informational signs, backlit displays, flock heat transfers and almost any other vinyl cutting application. Powered by a digitally controlled servo motor for speed, precision and reliability, Roland CAMM-1 technology is now better than ever.

■ All-in-One Simplicity

Simply connect the GX-24 to your computer through the USB interface and you are ready to begin. It comes complete with everything you need to get started, including a Windows® driver and new CutStudio™ drawing application software. A newly designed blue LCD panel is perfectly positioned for easy viewing and navigation.

■ Roland CutStudio Design Software Included

Roland CutStudio is the perfect companion for your GX-24. Draw and edit circles and curves. Position your text along lines. It functions as a plug-in software for Adobe® Illustrator® CS2/CS3/CS4/CS5 and CorelDRAW® 12/X3/X4/X5, allowing you to create original graphics using popular design packages. It also imports graphic data from popular file formats including jpg, bmp, and both ai and eps formats from Adobe Illustrator versions 7 and 8. CutStudio accepts scanned images from TWAIN 32 scanners as well.



■ Produce Labels and Decals with Your Printer

With CutStudio, you can take any image printed on a commercially available printer and contour cut it. Use this feature to quickly produce labels and decals without special equipment. CutStudio also accommodates larger jobs by dividing them into tiles.

■ More GX-24 Features

- Fine tune your operation by adjusting blade-force with slide control, even while cutting.
- Store up to eight settings of regularly used blade and media combinations for quick recall.
- Two sets of guide lines (front and back) ensure precise media alignment.
- Front panel knife guide allows easy sheet trimming and removal of media.
- Test-cut function allows you to verify the machine's down force before you begin your job.
- An easy-to-attach sheet roller base helps ensure proper media feeding.
- A convenient tray on the back of the GX-24 stores blades and blade holders.

■ Simple Steps to Create Labels and Decals with the GX-24 and a Color Printer



Choose media size and add crop marks from the CutStudio Plug-in on Adobe Illustrator.



Place your design inside the crop marks.



Print the graphics and the crop marks with your color printer.



Load the printed output on your GX-24 and send the cutting data to the GX-24.



The GX-24 contour cuts the graphics.

