

 Roland®

# **CAMM-1**PRO

Sign Maker by Roland DG Corporation

**GX-500/GX-400/GX-300**



***Roland CAMM-1 PRO —  
The Name That More Professionals Trust***

# Performance and Versatility in One Easy-To-Use Device

## CAMM-1 PRO GX-500/GX-400/GX-300 Features:

- Professional, easy-to-use vinyl cutters for signs, vehicle graphics, retail displays, and more
- Proven CAMM-1 technology and legendary Roland reliability
- Cutting speeds of up to 850mm (33") per second for maximum productivity
- Mechanical resolution of 0.0125mm/step (0.00049") guarantees precision results
- Impressive maximum down force of 350 grams for performance with even the thickest materials
- Includes Roland CutStudio\*1, feature-rich design software developed for Roland vinyl cutters
- Automatic 4-point registration system\*2 produces accurate contour cuts every time
- Easy connection to your computer through USB or serial ports
- Plug-in software for Adobe® Illustrator® and CorelDRAW®\*3, for a seamless, consistent operating environment
- Accepts a broad range of materials from sand blast to window film
- Available in three sizes: 1372mm, 1178mm and 915mm (54", 46" and 36")



\*1 Compatible with Windows®98SE/Me/2000/XP. \*2 This system is accessed through Roland CutStudio software and plug-in software for Adobe Illustrator.

\*3 Plug-in software is compatible with Adobe Illustrator 9/10/CS/CS2 for Windows, CorelDRAW 10/11/12 for Windows, and Adobe Illustrator 9/10/CS/CS2 for Macintosh.



Specifications	GX-500	GX-400	GX-300
Mechanism / Driving method	Friction feed / Digital control servo motor		
Maximum cutting area	Width: 1195 mm (47 in.) Length: 24998 mm (984-1/8 in.)	Width: 1000 mm (39 in.) Length: 24998 mm (984-1/8 in.)	Width: 737 mm (29 in.) Length: 24998 mm (984-1/8 in.)
Acceptable media widths	Min. 90 mm (3-1/2 in.) Max. 1372 mm (54 in.)	Min. 90 mm (3-1/2 in.) Max. 1178 mm (46 in.)	Min. 50 mm (2 in.)/Max. 915 mm (36 in.) (50 to 540 mm (2 in. to 21 in.), 582 to 915 mm (23 in. to 36 in.))
Width of material that can be cut off	0 to 1270 mm (0 in. to 50 in.)	0 to 1067 mm (0 in. to 42 in.)	0 to 812 mm (0 in. to 32 in.)
Tools	Special blade for CAMM-1 series		
Maximum cutting speed	During cutting: 850 mm/sec. (in all directions) During tool-up: 1202 mm/sec. (in 45° direction)		
Cutting speed / Blade force	10 to 850 mm/sec. (in increments of 10 mm/sec.) / 20 to 350 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 (0.00394 in.), whichever is greater		
Repetition accuracy (*1) (*2) (*3)	0.1 mm or less		
Interface	Serial (RS-232C-compatible), USB (Rev 1.1)		
Replot memory	2 MB (buffer size: 8 MB)		
Power supply / Power consumption	AC 100V to 240V ± 10% 50/60 Hz 1.2A / Approx. 100W		AC 100V to 240V ± 10% 50/60 Hz 1.1A / Approx. 95W
Dimensions with stand	1602 mm (W) x 727 mm (D) x 1113 mm (H) (63-1/16 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))	1407 mm (W) x 727 mm (D) x 1113 mm (H) (55-3/8 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))	1144 mm (W) x 727 mm (D) x 1113 mm (H) (45-1/16 in. (W) x 28-5/8 in. (D) x 43-13/16 in. (H))
Weight with stand	55 kg (121.2 lb.)	51 kg (112.4 lb.)	44 kg (97 lb.)
Included items	Power cord, blade holder (XD-CH2), pin, blade, alignment tool, cable clamp, replacement blade for sheet cutter, USB cable, Roland software CD-ROM, setup guide, user's manual		

\*1 According to material and cutting conditions as specified by Roland DG Corp. \*2 Excluding stretching/contraction of the material

\*3 Range for assured repetition accuracy: For materials with a width exceeding 610 mm (24 in.): Length 4,000 mm (157-7/16 in.) (GX-500/400 only) . For materials with a width of 610 mm (24 in.) or less : Length 8,000 mm (314-15/16 in.)

Included Software	Roland CutStudio	Roland CutStudio Plug-in for Adobe® Illustrator®	Roland CutStudio Plug-in for CorelDRAW®
OS	Windows® 98SE/Me/2000/XP	Windows®, Mac OS	Windows®
Application Software	—	Adobe® Illustrator® 9/10/CS/CS2	CorelDRAW® 10/11/12

Options		
Blades	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
	ZEC-U5022	For cutting sign vinyl in general, offset value 0.25mm, 5-pack
	ZEC-U5025	For cutting thick, reflective and fluorescent vinyl, as well as sign vinyl in general , offset value 0.25mm, 5-pack
Blade holders	XD-CH2	For sign vinyl in general as well as thicker material. Performs well for detailed cutting. Blade holder with blade extension adjuster, made of aluminum
	XD-CH3	For sign vinyl in general. Blade holder with blade extension adjuster, made of resin
Roll hangers	HS-500	For GX-500, 1 set
	HS-400	For GX-400, 1 set
	HS-300	For GX-300, 1 set
Serial cable	XY-RS-34	3m (9.8ft)

### ISO 14001 and ISO 9001:2000 Certified

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



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