CAMM-1 Vinyl Cutters

Roland CX Series Takes
Signmaking to New Heights

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The Number One Choice of Signmakers Around the World

CX-12/24 Desktop Cutters
Unmatched Reliability and Ease of Use in a Compact Size

Roland's CAMM-1 desktop vinyl cutters are known worldwide for being affordable, reliable and as easy to use as any desktop printer. They're the most cost-effective way to produce banners, vehicle graphics, store displays, point-of-purchase materials, informational signs, backlit displays, and almost any other type of durable custom graphics. The CAMM-1 CX-12/24 cutters offer exceptional performance, unbeatable Roland reliability and unmatched value, making them the perfect desktop signmaking machine.

Cutting Edge Technology

Signmaking professionals demand the latest technology and the CX-12/24 Desktop Vinyl Cutters deliver. With an advanced curve-smoothing function to cut circles and curves faster than ever and with higher precision. With increased throughput for exceptional production speed. And with a test-cut function that allows you to check down force before actual cutting to achieve exactly the results you want.

Blade offset values can be adjusted manually for optimum results on a wide range of vinyl and specialty substrates including sandblast. You can store up to eight settings of regularly used blade and media combinations.

Every CX-12/24 comes with a precision blade that gives you control over every job from vector graphics to letters. An optional small-lettering blade offers sharp, high-quality cutting for small type and intricate designs.

Easy-to-use

A new, large jog dial and LCD display makes selecting menus faster and easier than ever. The control panel and sheet set lever have been relocated for convenience and a new blade groove on the apron makes manual cutting simple. A sheet roller base is attached to every CX-24 to keep media feed straight. New guidelines make it easy to ensure proper alignment of the media.

The CX-12/24 and CX-300/400/500 include a Windows driver so you can output directly from vector-based design software, just like any desktop printer. A replot function allows you to input data once and output repeatedly without having to resend from the computer. Computer processing time is reduced, thanks to a built-in 1 MB butter.

CAMM-1 Desktop Model CX-12
Usable media width: 1.938 - 15.563" (50 - 395 mm)
Maximum cutting width: 11" (280 mm)

CAMM-1 Desktop Model CX-24
Usable media width: 1.938 - 27.5" (50 - 700 mm)
Maximum cutting width: 23" (584 mm)

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CX PRO Series
Setting A New Price-Performance Standard

The revolutionary CX PRO Series cutters feature industry-first enhancements, including Roland CutChoice™ software and the ability to feed media from both the front and rear. Bringing you an unprecedented combination of price and performance, the CX PRO comes in three models with a maximum media width from 36 to 54 inches.

High Speed & High Precision

A digitally controlled servo motor, curve smoothing function and 32-bit RISC CPU provide high speed cutting at 33 inches per second. Three standard cutting modes – Normal, Heavy and Hi-Speed – and a selectable blade force pressure between 20 and 350 gf allow the CX PRO Series to cut a wide variety of media, from window films to sandblast. Roland's media tracking system makes it possible to cut long, continuous signs and banners with unmatched accuracy.
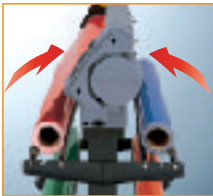
Unique Front and Rear Media Feeding

Sign shops will appreciate the increased flexibility and productivity provided by the CX PRO Series ability to feed cut sheets and rolls either back-to-front or front-to-back. In addition to the included roll hanger, three optional hangers can be added for additional media storage.

More Advanced Yet Simpler to Use Than Ever

The CX PRO includes both parallel and USB ports for plug and cut connectivity with both Windows® and Mac computers. The front panel includes buttons for frequently used settings, such as blade force, cutting speed and origin point. You can store cutting parameters for up to eight pre-set jobs, including speed, blade compensation and force, tool movement speed during tool-up and cutting mode. A replot function re-cuts jobs at the touch of a button. The CX PRO Series also includes an automatic sheet cutter and a half-cut function for scoring paper.

Roland CutChoice™ Included with PRO Series

Roland CutChoice™ is an Adobe Illustrator® and CorelDRAW® plug-in application with a host of convenient features. Users can enlarge, reduce, re-position, rotate and mirror images. CutChoice™ allows you to cut enlarged images as crisply as the original size, cut TrueType fonts without outlining and preview multi-colored images by color. It also simplifies cutting overlays by allowing you to select individual colors for cutting.

CAMM-1 PRO Model CX-300
Usable media width: 2-36" (50 - 915 mm)
Maximum cutting width: 29" (737 mm)

CAMM-1 PRO Model CX-400
Usable media width: 3-1/2 - 46" (90 - 1,178 mm)
Maximum cutting width: 39" (1,000 mm)

CAMM-1 PRO Model CX-500
Usable media width: 3-1/2 - 54" (90 - 1,372 mm)
Maximum cutting width: 47" (1,195 mm)

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CAMM-1

Specifications

CAMM-1 Desktop Cutters

Key Features

- Variable cutting speeds from .40"/sec to 15.75"/sec
- Three custom offset increments of 0.175, 0.250 and 0.500 mm
- Eight custom user pre-set settings to store for later use
- Three origin point settings, adding material front edge sensing

Easy Operation

- One piece front panel
- Easy-to-use JOG dial eliminates dipswitches
- Easy-to-read 16 character LED display
- Relocated material load lever
- Cutter knife groove on front apron for easier manual cutting
- Replot function (800 kb)

Other Features

- Windows 95/98/2000/NT drivers included
- Test-cut function
- 1MB data buffer
- Compatible with a wide variety of media
- Compatible with all professional signmaking software

	CX-12 & 24
Maximum cutting speed	16 IPS (40cm/s)
Blade force (Grams)	30gf to 200gf
Buffer size	1 MB standard
Mechanical resolution	.002"/STEP
Interface ports	Parallel, Serial
Power consumption	0.8A/117V, 0.4A/ 220 to 230V

	CX-12	CX-24
Acceptable media width	1.938" to 16" (50 to 406mm)	1.938" to 28" (50 to 711mm)
Maximum cutting width	11" (280mm)	23" (580mm)
External dimensions (WxDxH)	22" x 11" x 9" (535 mm x 278 mm x 221mm)	33" x 11" x 9" (840 mm x 278 mm x 221 mm)
Weight	22 lbs. (10 kg)	30.9 lbs. (14 kg)

For a complete listing of specifications go to www.rolanddga.com/cx/specs

CAMM-1 PRO Series

Key Features

- Front or rear loading of media with optional media hangers
- Integrated SL Tracking system for straightline tracking of media/vinyl
- A pre-feed option establishes a footprint to ensure straight tracking and eliminate waste
- Crop marks and Overcut feature for special cut jobs
- LCD Menu driven interface for complete machine control
- Stand included
- Includes CutChoice™ software

Advanced Processors

- Improved motor control: improves cut quality by optimizing acceleration, servo drive and X-Y control.
- Improved throughput cutting path calculation and smoothing

Optimized Acceleration

- The PRO Series has 2G acceleration and uses new dynamic acceleration to optimize speed
- Achieves top speed sooner, decelerates later, maintaining top speed longer than previous models

Precision Cutting

- Third pinch roller on larger models (400/500) for media handling and tracking
- Dynamic acceleration, RISC processor, better vector look-ahead and smoothing for improved quality

	PRO Series
Maximum cutting speed	33 IPS
Blade force (Grams)	20 gf to 350 gf
Data buffer size	2 MB
Mechanical resolution	.000492"/step
Interface ports	USB, Parallel
Power consumption	0.8 A/100 V to 240 V 10 %

	CX-300	CX-400	CX-500
Acceptable media width	2" to 36" (50 mm to 915 mm)	3-1/2" to 46" (90 mm to 1,178 mm)	3-1/2" to 54" (90 mm to 1,372 mm)
Maximum cutting width	29" (737 mm)	39" (1,000 mm)	47" (1,195 mm)
External dimensions with Stand (W x D x H)	45-1/16" x 28-5/8" x 43-13/16" (1,144 mm x 727 mm x 1,113 mm)	55-3/8" x 28-5/8" x 43-13/16" (1,407 mm x 727 mm x 1,113 mm)	63-1/16" x 28-5/8" x 43-13/16" (1,602 mm x 727 mm x 1,113 mm)
Weight with stand	101.4 lb. (46 kg)	116.8 lb. (53 kg)	130.1 lb. (58 kg)

For a complete listing of specifications go to www.rolanddga.com/cxpro/specs

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