

 Roland

# CAMM-1 PRO

Sign Maker by Roland DG Corporation

**Model CX-500/400/300**

SELECT SHEET  
ROLL PIECE

PRESET

FORCE

SHEET

SETUP

**CAMM-1 PRO**  
Sign Maker by Roland DG Corporation

*Plug-in Software Included  
Windows® & Mac OS compatible*

**High Speed, High Precision  
High Quality and Reliability**

# Roland Takes Signmaking to New Heights

Roland revolutionizes signmaking with the CAMM-1 PRO CX-series of professional cutters. Crisp, eye-catching graphics are the result of outstanding performance and remarkable versatility.

## High Speed

A digitally controlled servo motor, curve smoothing function and 32-bit RISC CPU provide exacting high-speed cutting, with a maximum cutting speed of 850mm/sec. (33"/sec.).

## High Precision

Three standard cutting modes—Normal, Heavy and Hi-speed—provide optimum versatility. Fine tuning controls adjust blade force pressure between 20 and 350 gf for utmost agility and precision.

## High Quality and Reliability

Roland cutters are known worldwide for producing outstanding results year after year. A reliable tracking system makes continuous, cutting of long signs and banners possible.

## Adobe® Illustrator® and CoreDRAW® Plug-in Software, Roland CutChoice™ Included\*

Roland CutChoice expands your graphics capabilities. Enlarge, reduce, re-position, rotate and mirror images at will. Cut enlarged images as crisp as original size. Cut TrueType fonts without outlining. Preview multi-colored images by color and then create overlays by selecting individual colors for cutting.



\*Windows® 98/Me and Windows® 2000/XP and Mac OS 8.6-9.x compatible.  
Windows: Adobe® Illustrator® ver.8.0/9.0, CoreDRAW® 8.0/9.0/10.0  
Mac: Adobe® Illustrator® ver. 8.0/9.0

## USB Connection

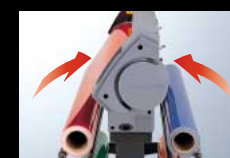
Plug and play capabilities with convenient USB port located on the back panel.



\*\*Includes Windows® 95/98/Me/NT 4.0/2000/XP drivers.  
\*\*\*Roland CutChoice™ is compatible with Adobe® Illustrator® ver. 8.0/9.0 or CoreDRAW® 8.0/9.0/10.0 on Windows® 98/Me/2000/XP, and Adobe® Illustrator® ver.8.0/9.0 on Mac OS 8.6-9.x.

## Unique Front and Rear Loading Capabilities

Increased flexibility and productivity with back-to-front and front-to-back media feeding capabilities for both cut sheets and rolls.



## Easy Operation

Front panel includes buttons for frequently used settings such as blade force, cutting speed and origin point. Stores cutting conditions for up to eight pre-set jobs, including cutting speed, blade compensation, blade force, tool movement speed during tool-up and cutting mode.



## Four Roll Media Capacity

In addition to the included roll hanger, three optional hangers can be added for enhanced productivity and media storage. Position two forward rolls for front loading and two rear rolls for back loading.



## Advanced Features

- Automatic sheet cutter separates the output sheets.
- Built-in accessory holder stores blades, holders, knives, etc.
- Re-plot function re-cuts jobs at the touch of a button.



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### Model CX-500

Usable media width  
90-1372 mm  
(3-1/2'-54")

Maximum cutting width  
1195 mm  
(47")



### Model CX-400

Usable media width  
90-1178 mm  
(3-1/2'-46")

Maximum cutting width  
1000 mm  
(39")



### Model CX-300

Usable media width  
50-915 mm  
(2'-36")

Maximum cutting width  
737 mm  
(29")



## Specifications

Model	CX-500	CX-400	CX-300	
<b>Mechanism</b>	Media-movement method			
<b>Driving method</b>	Digital control servo motor			
<b>Maximum cutting area</b>	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.)	
<b>Acceptable media widths</b>	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.))	
<b>Width of material that can be cut off</b>	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.)	
<b>Tools</b>	Cutter blades: Special blade for CAMM-1 series			
<b>Max. cutting speed</b>	During cutting: 850 mm/sec. (in all directions) During tool-up: 1202 mm/sec. (in 45° direction)			
<b>Cutting speed</b>	10 to 850 mm/sec. (in increments of 10 mm/sec.)			
<b>Blade force</b>	20 to 350 gf			
<b>Mechanical resolution</b>	0.0125 mm/step (0.000492 in./step)			
<b>Software resolution</b>	0.025 mm/step (0.000984 in./step)			
<b>Distance accuracy</b>	Error of less than ±0.2 % of distance traveled, or 0.1 mm (0.00394 in.), whichever is greater			
<b>Repetition accuracy</b>	0.1 mm or less (excluding stretching/contraction of the material) Range for assured repetition accuracy For materials with a width exceeding 610 mm (24 in.): Length 4000 mm (157-7/16 in.) (CX-500/400 only) For materials with a width of 610 mm (24 in.) or less: Length 8000 mm (314-15/16 in.)			
<b>Interface</b>	Parallel (Centronics compatible), USB (Rev 1.1)			
<b>Buffer size</b>	2 MB (1.3 MB for replot buffer)			
<b>Instruction system</b>	CAMM-GLIII (mode1 and mode2)			
<b>Power consumption</b>	Maximum: 0.8 A/100 V to 240 V ± 10 % 50/60 Hz			
<b>Acoustic noise level</b>	Cutting mode: under 62 dB (A) Standby mode: under 40 dB (A) (According to ISO 7779)			
<b>Dimensions</b>	<b>Main unit</b>	1602 mm (W) x 264 mm (D) x 398 mm (H) (63-1/16 in. (W) x 10-3/8 in. (D) x 15-11/16 in. (H))	1407 mm (W) x 264 mm (D) x 398 mm (H) (55-3/8 in. (W) x 10-3/8 in. (D) x 15-11/16 in. (H))	1144 mm (W) x 264 mm (D) x 398 mm (H) (45-1/16 in. (W) x 10-3/8 in. (D) x 15-11/16 in. (H))
	<b>With stand</b>	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))
<b>Weight</b>	<b>Main unit</b>	38 kg (83.8 lb.)	32 kg (70.5 lb.)	27 kg (59.5 lb.)
	<b>With stand</b>	59 kg (130.1 lb.)	53 kg (116.8 lb.)	46 kg (101.4 lb.)
<b>Operating temperature</b>	5 to 40 °C (41 to 104 °F)			
<b>Operating humidity</b>	35 to 80 % (non-condensing)			
<b>Accessories</b>	Power cord: 1, Blade holder (XD-CH3): 1, Blade: 1, Alignment tool: 1, Cable clamp: 1, Replacement blade for separating knife: 1, Roland CutChoice CD-ROM: 1, Roland software package CD-ROM: 1, Startup Manual: 1, To ensure safe use: 1			

## Options

Blades			
Product number	Offset value	Applicable cutting material	Quantity per package
ZEC-U1005	0.25 mm	Signage vinyl in general	5 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.

Roll Hangers	
Product number	Description
HS-500	For CX-500, 1 set
HS-400	For CX-400, 1 set
HS-300	For CX-300, 1 set

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 aluminum.	Blade holder for signage vinyl in general as well as thicker material. It also performs very well when creating detailed cutting.

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