

 Roland

CAMMJET

CJ-500



- 1440 dpi
- Print & contour cut
- 6-color pigment inks
- PANTONE® Hexachrome®
- Automatic registration

The Ultimate Sign Making Solution

The revolutionary CAMMJET CJ-500 combines all of the printing features of the award-winning Hi-Fi JET plus full-contour cutting, delivering unprecedented versatility and productivity. With outstanding cutting functions, color matching capabilities, photo realistic wide-format printing, and its unique ability to cut after lamination, the CAMMJET takes creativity to a whole new level. It truly is the ultimate sign production solution.

**Print
& Cut**

 **Roland**
Get it right on a Roland

CAMMJET - Adding More Value to Your Sign Business

The next generation of printer/cutter

As a revolutionary signmaking tool, the CAMMJET opens up exciting business opportunities for you. Integrating large-format color printing with cutting functions, it offers new dimensions in creativity. Capable of printing both realistic images on adhesive media and contour cutting any shape or size required, it brings new creative possibilities from point-of-purchase displays to window displays and floor graphics. Nothing prints or cuts better than a Roland. Our models continue to deliver first-rate quality in their separate roles as printers and cutting machines. With its combination of new creative opportunities and all round sign-production ability, the CAMMJET is quite simply the ultimate sign production solution.

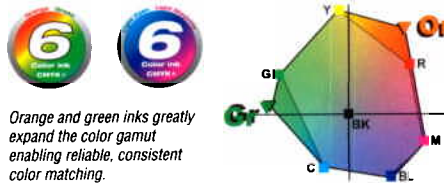
Stunningly realistic photographic quality

Using high 1440 dpi resolution and the latest Roland Piezo inkjet technology, the CAMMJET produces superb photo-quality printing. Images are so amazingly lifelike, you can't tell they're from an inkjet printer, even up close.

Accurate color reproduction is an essential feature for sign production. The CAMMJET adds two additional colors to the normal four colors (CMYK) of process printing to produce stunning six-color printing. You can choose between two combinations: orange and green, for reproduction of corporate colors and PANTONE® Colors; or light cyan and light magenta, for outstanding natural gradations in human skin tones.

The CAMMJET uses specially developed UV stable pigment inks, ideal for use outdoors where fading can be

a problem. These new pigment inks deliver high-fidelity color reproduction every bit as vibrant as dye ink.



Orange and green inks greatly expand the color gamut enabling reliable, consistent color matching.

High performance productivity

The CAMMJET offers a choice of five resolutions (1440, 720, 540, 360 and 180 dpi) and seven print modes matched to Roland media for sign output. The new mode Fine2 (540 dpi resolution) produces excellent photo-quality images every time on high-gloss vinyl and PET-G media at the high print speeds ideal for signmakers.

Easy to operate

Ease of operation was a priority in the engineering of the new CAMMJET. Ink cartridge replacement is a clean, one-step operation and media loading/unloading is simple using a single lever. Adjustable head heights (up to 1.0mm media thickness for printing) are also managed with a single, easily accessible lever. For excellent results in continuous printing and output of long items, the printer body and stand have extra rigid construction to eliminate vibration and ensure optimal print quality, making the CJ-500 ideal for unattended or overnight output. An optional take up system is available for unattended printing.

High-precision cutting functions - even after lamination

To ensure high-precision contour cutting even after lamination, the CJ-500 has a unique built-in optical registration function that recognizes when the print is reloaded on the machine after lamination. This function reads the crop marks - generated automatically during printing - accurately registering for high-precision cutting. The CAMMJET, with a top cutting speed of 600mm/sec, cutting increments accurate to 0.025mm, and new curve-smoothing functions to enhance total throughput, is truly the ultimate sign production solution.

Includes Adobe® PostScript® 3™ software RIP

The CAMMJET CJ-500 includes Roland COLORCHOICE® 3.0 Adobe® PostScript® 3™ software which provides powerful RIP, cutting and output functions. COLORCHOICE® 3.0 software is designed specifically for printer-cutter machines, so you can handle printing and cutting operations simultaneously from a single data file from a wide range of software applications*. The CJ-500 works with Windows®98/95/NT 4.0 and Macintosh™. Included ICC profiles are optimized for the specific Roland media, the degree of resolution and the inkset to ensure ideal color output every time. With Roland COLORCHOICE® 3.0, your new CAMMJET CJ-500 will make your business the ultimate sign production solution for all of your customers.

*Illustrator 7.0/8.0, Freehand 7.0/8.0



Specifications

Printing / Cutting method		Piezo inkjet method / Media-moving method
Printing / Cutting area		53 x 984-1/8" (1346.2 x 24998 mm)
Acceptable material widths		3.5—54" (90—1371 mm) (Note that detection of the front and rear edges is not possible for material measuring from 3.5—17" (90 mm to 430 mm).)
Conditions for usable materials		-Cuttible material thickness: 0.08—0.22 mm (depending on material composition) -Maximum cuttable material thickness including base paper (backing paper): 0.4 mm -Maximum printable material thickness including base paper (backing paper): 1.0 mm (when head is raised to maximum)
Ink cartridges	Pigment ink / Capacity	Exclusive UV stable pigment-ink cartridge / 220 cc ±5 cc
	Color	Six colors: the four colors cyan, magenta, yellow, and black, plus either light cyan and light magenta or orange and green
	Dye ink / Capacity	Exclusive dye-ink cartridge / 220 cc ±5 cc
	Color	Cyan, magenta, yellow, black, light cyan, and light magenta
Printing resolution (Printing dot resolution)		1440 dpi x 720 dpi / 720 dpi x 720 dpi / 540 dpi x 540 dpi / 360 dpi x 720 dpi / 180 dpi x 720 dpi
Acceptable tool		Cutter (blade and blade holder): Special blade for CAMM-1 series
Cutting speed / Force / Offset		10—600 mm/s (10—300 mm/s in the material-feed direction) / 30—200gf / 0.000—1.500mm
Software resolution (When cutting)		0.025 mm/step
Distance accuracy (When cutting)		Error of less than ±0.4% of distance traveled, or 0.3 mm, whichever is greater When distance correction has been performed (when the setting for [CALIBRATION] - [CUTTING ADJ.] has been made): Error of less than ±0.2% of distance traveled, or 0.1 mm, whichever is greater
Repetition accuracy (When cutting)		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"): Length 4,000 mm (157-7/16") - For materials with a width of 610 mm (24") or less: Length 8,000 mm (315-15/16")
Repetition between printing and cutting		±0.5 mm max. at 25 degree Celsius (excluding possible shift caused by expansion/contraction of the material and/or by reloading the material.)
Interface		Bidirectional parallel interface (compliant with IEEE 1284; nibble mode)
Power consumption	Printing / Cutting mode	Maximum: 1.0A/100V—240V -10% 50/60 Hz
	Standby mode	Maximum: 0.4A/100V—240V -10% 50/60 Hz
Acoustic noise level	Printing / Cutting mode	64dB (A) or less (According to ISO7779)
	Standby mode	40dB (A) or less (According to ISO7779)
Dimensions (With stand)		91-9/16" [W] x 29" [D] x 50-11/16" [H] (2325 mm [W] x 736 mm [D] x 1287 mm [H])
Weight (With stand)		231.5 lb. (105 kg)
Environment	Power on	Temperature: 59—95 degree Fahrenheit (15—35 degree Celsius), Humidity: 35% to 80% (non-condensing)
	Power off	Temperature: 41—104 degree Fahrenheit (5—40 degree Celsius), Humidity: 20% to 80% (non-condensing)
Accessories		Power cord: 1, Drain bottle: 1, Drain-bottle cap: 1, Screws: 2, Blade: 1, Blade Holder: 1, Replacement blade for separating knife: 1, Cleaning kit: 1, Roland COLORCHOICE® CD-ROM: 1, Roland COLORCHOICE® installation guide: 1, User's manual: 1

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