Color CAMM
Sign Maker by Roland DG Corporation
PC-12

Your One-Stop Print and Cut Shop

**P.O.P. Signs. Decals. Stickers.
Labels. Apparel decoration.
The PC-12 Does It All.**

Introducing the most versatile, hard-working peripheral on the market today!

The remarkable PC-12 desktop thermal transfer printer/cutter not only produces crisp, high-resolution graphics, it precision contour cuts them for you. Perfect for short-run decals, labels, indoor and outdoor signage, product personalization and comps, the PC-12 is an indispensable creative tool for a variety of businesses.

Professional Quality Printing

Wax ribbons produce outstanding 2400 dpi[1] photo quality graphics using traditional CYMK colors plus spot gold and silver foil and gloss finish[2]. Resin ribbons print durable designs in eye-catching 600 dpi color.

1) Apparent resolution printed in Variable Dot photo printing mode.
2) The gloss finish ribbon is available as an option to give wax output a polished appearance.

Precision Contour Cutting

The PC-12 cuts everything from traditional rectangular labels to intricate text, arcs and curves with precision and ease.

A Bright Idea

Add gold or silver foil wax inks and gloss finish to your design for a touch of elegance. Spot red, blue and white — in addition to metallic gold and silver — add vibrancy to resin ink designs.

Attractive *and* Durable

Resin inks are water-, fade- and scratch-resistant, for long-lasting, high-quality outdoor signage.

Endless Variety

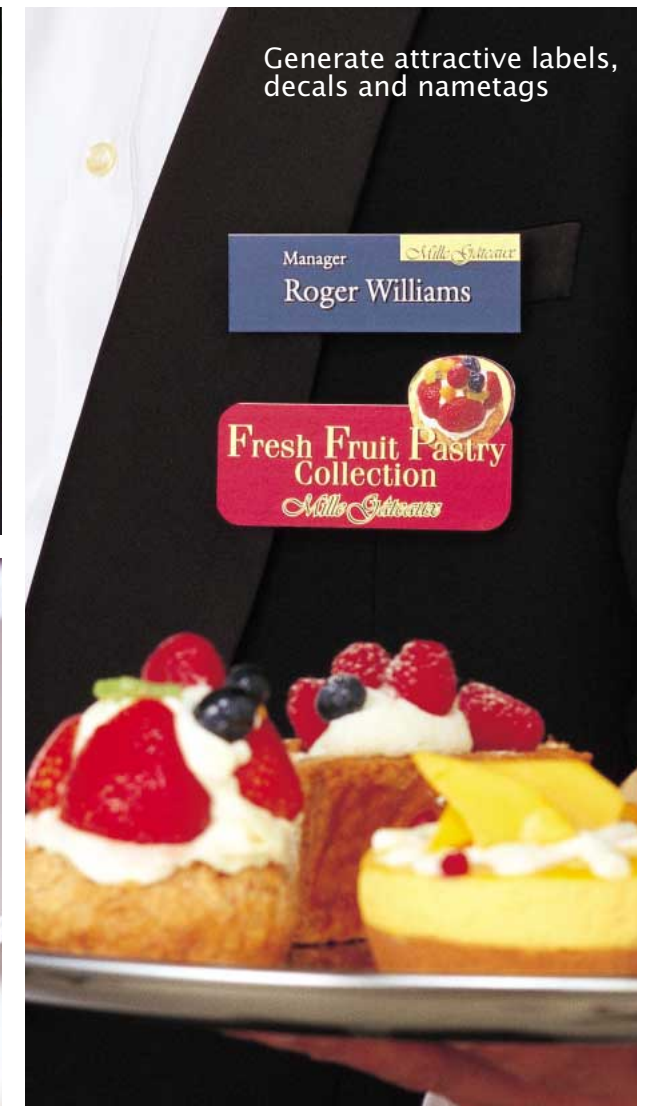Create everything from basic vinyl letters to full-color thermal transfer decals with ease.

So easy to use — just select "print" and the PC-12 does the rest.

Create professional-quality counter cards and P.O.P. displays

Finally, A Machine That Exceeds Your Imagination

Introduce new products and services with style and flair

Produce eye-catching fade-, water- and scratch-resistant signage

Generate attractive labels, decals and nametags

Manager
Roger Williams

Fresh Strawberry

Introduce new merchandise. Offer new services. Re-package existing product lines. The PC-12 unlocks your creativity and enables you to present new ideas with a look and feel that is decidedly professional, but at a cost that is remarkably affordable. Whether you need menu boards, personalized uniforms or product labels, the versatile PC-12 accomplishes every task quickly and easily with impressive results.

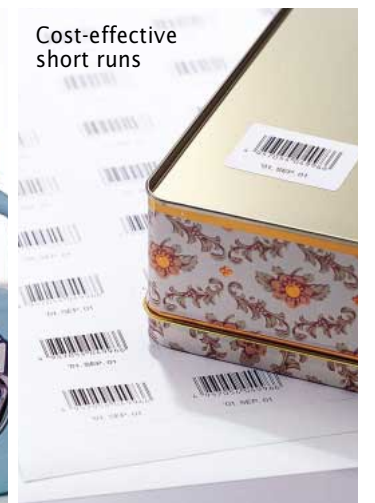## The PC-12 Expands Your Business Horizons

Easy and fun personal identification

Attractive product personalization

Eye-popping product comps

Cost-effective short runs

PC-12 Quality: The Difference is in the Details

This highly effective desktop device combines state-of-the-art thermal transfer printing technology with high precision contour cutting capabilities and easy-to-use plug-and-play software, Roland ColorChoice®, to create a printer/cutter that is surprisingly versatile and affordable. Thanks to the thermal transfer process, which uses heat to fuse the inks into the material, labels, decals and signage exhibit vibrant color *and* durability without lamination.

Color CAMM PC-12

Cut Out for Anything

No matter how intricate your design, the PC-12 can cut it out! Best of all — it's easy! Simply create your design using your favorite graphics software program and add cut lines. The PC-12 will then precision contour cut your design directly out of vinyl or heat transfer material. Maximum cutting size: 323.4 mm wide x 2000 mm long (12.7 inch wide x 78 inch long).

Wax and Resin Ink Cartridges Produce Endless Variety

A choice of wax or resin ink cartridges opens up a wide range of possibilities. Wax inks enable variable dot printing for eye-popping, photo-quality signage, comps or heat transfer decals at 2400 dpi[3]. In addition to standard cyan, magenta, yellow and black (CMYK), gold and silver foils and gloss finish ribbons are available. Using resin inks, the PC-12 produces high-impact, 600 dpi graphics that are water-, fade- and scratch-resistant, making them ideal for both indoor and outdoor applications. Resin ink colors include CMYK, plus spot red, white and blue and metallic gold and silver.

3) Apparent resolution printed in Variable Dot photo printing mode. Choose wax or resin inks depending upon your application and media.

9 Ink Cartridges Offer Increased Convenience and Flexibility

The PC-12's nine-ink cartridge capacity and Automatic Cartridge Sensing (ACS) technology offer maximum versatility. Users can load a full accompaniment of spot colors in addition to traditional CMYK, load more cartridges of a most-used color, or load both resin and wax inks at the same time[4]. Each ink cartridge features a bar code that identifies both the ink color and the ink type. This enables the PC-12 to identify which ink cartridges are needed to complete a specific project. And, if a cartridge runs out of ink, the PC-12 will pause the job until the used cartridge is replaced with a new one, then resume work with no loss in product quality.

4) The different types of ink cannot be used together.

Easy-to-Use Roland ColorChoice® RIP Included[5]

Professional quality printing and cutting, including precision color management, is made possible with the powerful Roland ColorChoice® (RCC) software RIP (Raster Image Processor) that comes standard with the PC-12. RCC is a true Adobe® PostScript®3™ multi-platform high-performance software application that enables you to control printing directly from your favorite Windows®[6] and Mac OS design applications[7]. RCC also includes a wide variety of convenient functions such as automatically laying out and printing multiple copies, plus rotating and mirroring.

5) Windows® 98/Me/2000 and Mac OS 8.5 to 9.x
6) Adobe® Illustrator® 8.0/9.0, Adobe® PageMaker® 6.5, CorelDRAW® 8/9 and Quark Xpress™ 4, etc.
7) Adobe® Illustrator® 8.0/9.0 and Adobe PageMaker 6.5 etc.

Special Graphic Design Software Skills Not Required

Expertise with graphic design software is not required to use the PC-12. The Windows driver allows you to use word processing, spreadsheet or any Windows application for your graphics. Just press "Print" as you would for any desktop printer.

Small Desktop Footprint

The PC-12 is big on versatility and small on size. In fact, its small footprint makes this multi-tasking printer/cutter ideal anywhere that space is at a premium, such as a home office or small business.

Professional Results Right Out of the Box

The PC-12 offers plug-and-play connectivity with both Windows®- and Mac-based operating platforms. A USB interface makes connecting easy. Simply take the PC-12 out of the box, snap in your ink cartridges, install RCC and you're ready to print.

More Advanced Features

The PC-12 includes an automatic sheet cutter for separating roll-fed jobs after printing. It also incorporates a built-in optical registration feature which recognizes printed crop marks so you can remove media after printing and then reinsert it for cutting, even after lamination.

● Throughput

Inks	Mode	Print	Cut	Total
Wax	Normal	4'20"	6'35"	10'55"
Resin	Normal	9'15"	6'35"	15'50"
Wax	VPhoto	10'50"	6'35"	17'25"

20 stickers in Size A4, approx. 82 MB, Illustrator 8.0 format
56.4 mm x 47.7 mm (2-1/4 inch x 1-15/16 inch) per sticker
The time represents printing in CMY and contour cutting only. It doesn't include data processing.
Windows® 2000, Pentium III 1 GHz, 384 MB RAM, Parallel interface used
Printing & cutting speed depends on file and output size.

Label Making Made Easy

Turn any design into an eye-catching sign by following these simple steps:

❶ Create Your Design

Compose your layout in your favorite graphics software application. Add cut lines.

❷ Press "Print"

The easy-to-use Roland ColorChoice® software makes selecting your print settings — from the number of prints to enlargements and reductions — effortless.

❸ Watch Your Label Come to Life

Once the print function is complete, the PC-12 automatically cuts out your design.

■ Specifications

Model	PC-12
Mechanism	Media-movement system, thermal transfer serial, automatic double-cartridge changing type
Acceptable Media	Width: 150 to 330.2 mm (5-15/16 to 13 in.) length: 10 m (10.9 yd.) or less (roll-media specifications) (*1)
Maximum Work Area	323.4 mm x 2,000 mm (12-11/16 x 78-11/16 in.) (*2)
Acceptable Media Types	Vinyl-chloride media, synthetic-paper media (thickness 0.07 to 0.22 mm)
Tools	Blade, ink-ribbon cartridges
Number of Installed Cartridges	9
Cutter Force	30 to 200 gf
Cutting Speed	Maximum 40 mm/sec (1.5748 in./sec)
Printing Speed	Maximum 252 mm/sec (9.921 in./sec)
Cutting Resolution (Software Resolution)	0.025 mm/step (0.000984 in./sec)
Printing Resolution	Equivalent to 2,400 dpi (wax-ink VPhoto Color printing), 600 dpi x 600 dpi (wax-ink or resin-ink Standard Color printing)
Cutting Accuracy (Distance Accuracy)	±0.3 % or less of movement distance or ±0.3 mm (±0.0118 in.) or less, whichever value is larger (*3)
Registration Between Printing & Cutting	±0.3 mm (±0.0118 in.) or less (excluding media expansion and contraction; excluding media reloading) (*3)
Registration Between Printing & Cutting with reloaded media (during crop-mark operation)	±0.3 % or less of movement distance or ±2 mm (±0.07874 in.) or less, whichever value is larger (*3, *4)
Color superimposition accuracy	±0.15 mm (±0.00591 in.) or less at resin-ink YMCK or wax-ink CMYK printing sequence (*5)
Interface	Parallel interface (compliant with IEEE 1284 nibble mode) USB interface (compliant with Universal Serial Bus Specification Revision 1.1)
Memory	800 Kbyte
Operation-panel keys	power, ready/insert
LED	power, ready, error
Power-saving function	Operation during standby
Power consumption	0.7 A to 0.3 A / 100 to 240 V ±10 % 50/60 Hz
Acoustic noise level	During printing/cutting operation: 55 dB(A) or less, during standby: 40 dB(A) or less
Dimensions (With media base installed)	568 (W) x 438 (D) x 202 (H) mm (22-3/8 (W) x 17-1/4 (D) x 8 (H) in.) With front cover open: 568 (W) x 528 (D) x 202 (H) mm (22-3/8 (W) x 20-13/16 (D) x 8 (H) in.)
Weight (With media base installed)	10.0 kg (22 lb.)
Operating Temperature	15 to 30 °C (59 to 86 °F)
Operating Humidity	30 to 70 % (non condensation)
Accessories	PC-12 ColorCAMM Driver for Windows® CD-ROM, media base, media cover, ink-ribbon cartridge (resin), test-use media, cleaning pads (white and orange), media blade, blade holder, power cord, head cleaner, user's manual, Roland ColorChoice® for PC-12 CD-ROM, and Roland ColorChoice® for PC-12 User's Manual

*1 Other conditions are diameter of 110 mm (4-5/16 in.) or less and weight of 2.0 kg (4.4 lb) or less. *2 May be limited by the program. Feed accuracy is guaranteed up to 500 mm (19-11/16 in.) *3 At operating environment: 25 °C and 50 % RH Media types: genuine resin-use media (vinyl; white), wax-use media (synthetic paper; white) Data size: 500 mm (19-11/16 in.) Media-feed direction Carriage-movement direction 300 mm (11-13/16 in.) Windows-based driver setting: prefeed enabled Excluding effects due to crooked media or media expansion or contraction   *4 No lamination   *5 ±0.25 mm (±0.0098 in.) or less when using wax-ink gold or silver special color
*Printing and cutting quality differs between media.
*Color reproduction differs between wax and resin inks.

■ Connectivity

	Operating System	Interface
Using PC-12 Driver for Windows	Windows 98/Me/2000	USB*
	Windows 95/98/Me/NT 4.0/2000	Parallel
Using Roland ColorChoice for PC-12	Windows 98/Me/2000	USB*
	Mac OS 8.5 - 9.x	USB*

*USB A-B cable is applicable.

■ Options

Thermal Transfer Ribbon Cartridges (Wax)

Process Color	Cyan	CR-MW-CY
	Magenta	CR-MW-MG
	Yellow	CR-MW-YE
	Black	CR-MW-BK
Spot Color	Gold foil	CR-MW-FGL
	Silver foil	CR-MW-FSL
Gloss Finish	—	CR-MW2-GF

Media	CPS-330-YP10	Synthetic matte paper with adhesive for wax ink (330 mm x 10 m)
	CPS-305-WH10	White vinyl for resin ink (305 mm x 10 m)
	CPS-305-CL10	Clear vinyl for resin ink (305 mm x 10 m)

Thermal Transfer Ribbon Cartridges (Resin)

Process Color	Cyan	CR-MR-CY
	Magenta	CR-MR-MG
	Yellow	CR-MR-YE
	Black	CR-MR-BK
Spot Color	Red	CR-MR-RD
	Blue	CR-MR-BL
	Gold	CR-MR-GL
	Silver	CR-MR-SL
	White	CR-MR-WH

Blade	ZEC-U5025	5 pcs.

Roland

AUTHORIZED DEALER:

www.rolanddg.com