

Canon

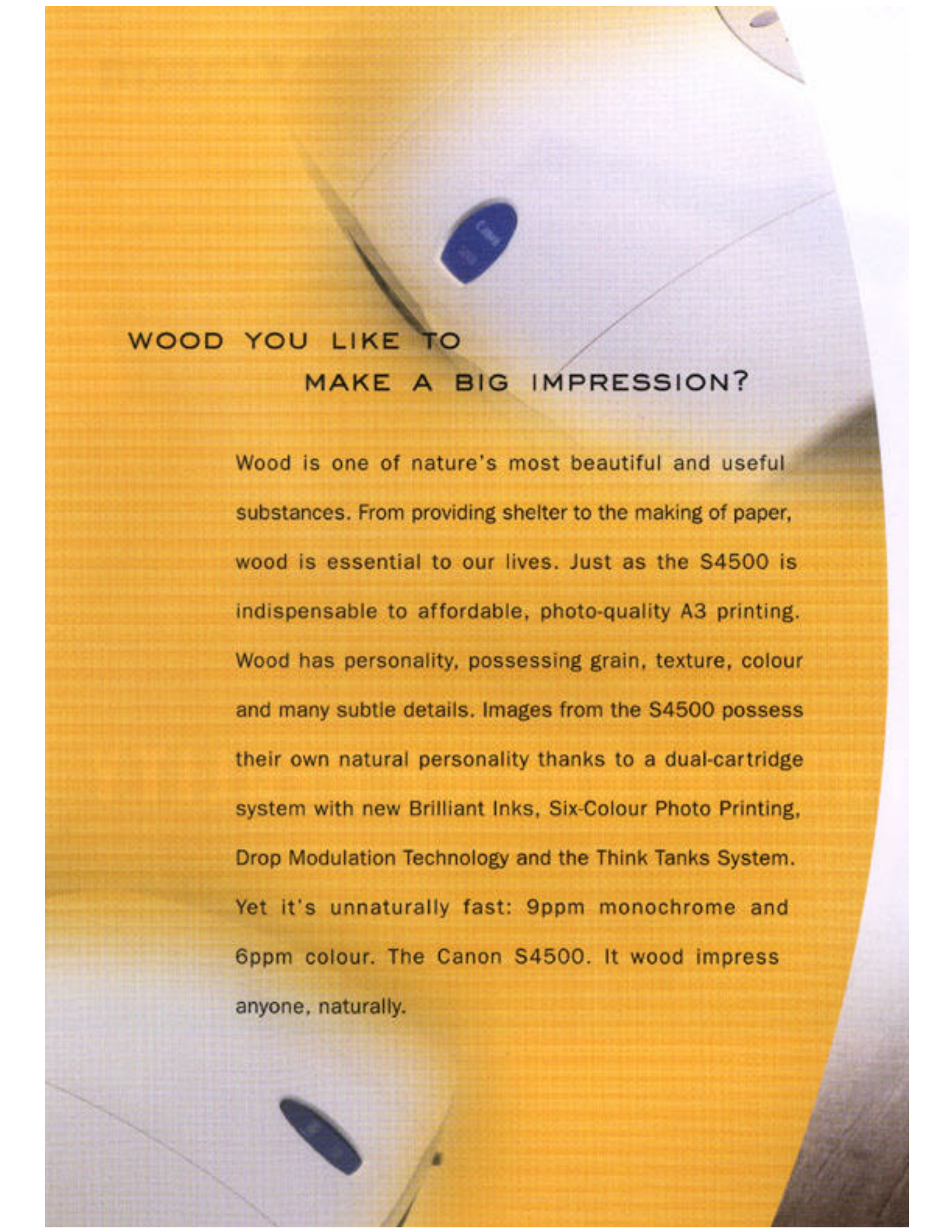


# THE **NATURE** OF REALITY

BRILLIANT TECHNOLOGY FOR THE MOST NATURAL IMAGES EVER.

**S4500**  
BUBBLE JET PRINTER

ESSENTIAL A3 PRINTING



WOOD YOU LIKE TO  
MAKE A BIG IMPRESSION?

Wood is one of nature's most beautiful and useful substances. From providing shelter to the making of paper, wood is essential to our lives. Just as the S4500 is indispensable to affordable, photo-quality A3 printing. Wood has personality, possessing grain, texture, colour and many subtle details. Images from the S4500 possess their own natural personality thanks to a dual-cartridge system with new Brilliant Inks, Six-Colour Photo Printing, Drop Modulation Technology and the Think Tanks System. Yet it's unnaturally fast: 9ppm monochrome and 6ppm colour. The Canon S4500. It wood impress anyone, naturally.

## BRILLIANT NEW INKS FOR

### MORE NATURAL IMAGES



The S4500 uses new inks that produce sharper contrast, more vivid colours, and more clearly defined blacks. The inks are also more resistant to fading. The use of pigment black ink reduces smudging on standard paper, produces dense clear text with razor-sharp outlines and increases water resistance.

## PHOTO-GRADE PRINTING WITH

### 6 BI-LEVEL INK COLOURS\*

Six bi-level ink colours greatly improve "in-between" shades for natural image reproduction — virtually identical to conventional photographs. Pale and intermediate colours, such as those found in skin tones, are much more natural.



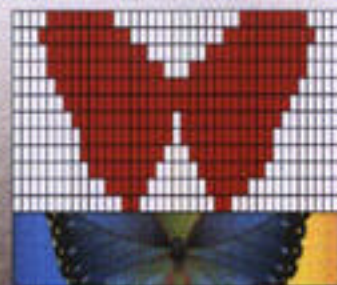
*\* Using a combination of regular colour BC-31e and photo BC-32e (optional extra) cartridges*

## MORE NATURAL IMAGES, MORE QUICKLY

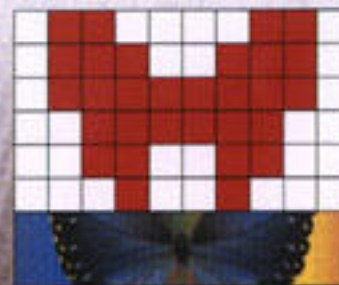
The S4500 uses Drop Modulation Technology (DMT) to achieve a print resolution of up to 1440 x 720dpi\*. The result is sharp, vivid rendering of small text and fine lines and smoother, more natural gradations.



S4500 (1,440 x 720 dpi)



LOWER RESOLUTION



*\*Using a combination of black BC-30e and regular colour BC-31e cartridges*

# FAST PRINTING

## SPEED AND PRECISION

Text **Monochrome**

**9** ppm\*

**Colour**

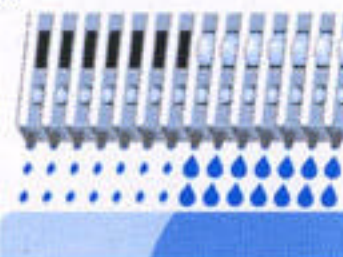
**6** ppm\*

The fleet S4500 prints colour at 6ppm\* and monochrome at 9ppm\*. A multi-nozzle printing system delivers high-volume ink output in both black and colour modes with bi-directional printing, which allows the S4500 to print during the return path of the printer head — two or three rows simultaneously thereby substantially increasing the print speed.

\* Using a combination of black BC-30e and regular colour BC-31e cartridges

## DROP MODULATION TECHNOLOGY™

All nozzles employ Drop Modulation Technology, which produces ink droplets in two distinct sizes. Smaller droplets are used in low-density areas for greater detail, while larger droplets are used in high-density areas for faster printing speed. Drop Modulation Technology enables high-quality printing at exceptional speeds.



Drop Modulation Technology—  
Conceptual diagram

# COST SAVING

## SEPARATE INK TANK SYSTEM



Light Passes through (ink OK)



Light Reflects (no ink)

The mechanism is used to determine ink levels and warn the user when the cartridge is nearly empty.



The Canon Think Tanks System allows you to replace individual inks rather than buying a complete cartridge each time a colour runs out. Moreover, detectors in the cartridge warn you when ink levels are low so you need never run out of ink during a printing job.

# UNIQUE FEATURES

## AFFORDABLE A3 PRINTING

When you need the big picture, the S4500 produces beautiful, high-resolution images in the A3 format. A3 gives you a wide range of creative options, and makes colourful business presentations even more impressive.

A3

## DUAL INTERFACE (USB)

The S4500 comes with parallel interface for Windows, as well as convenient USB interface\* for both Windows and Macintosh. USB means plug-n-play convenience and more rapid data transmission between computer and printer.

*\* USB operation can only be guaranteed on a PC with pre-installed Windows Me, Windows 98, Windows 2000 (This includes Windows Me and Windows 2000 upgraded from pre-installed Windows 98). This product supports the majority of USB equipped PCs; however, due to differences in USB implementation (on some PC's) full compatibility can not be guaranteed.*



USB interface (left) and parallel interface (right)

## HIGH-RESOLUTION SCANNING — A3-SIZE



Replace the ink cartridge with the optional IS-32 scanner cartridge and the S4500 instantly becomes a high-performance, 720dpi scanner.

## A PRINTER DRIVER PACKED

## WITH BUSINESS-ORIENTED FEATURES



### PHOTO OPTIMISER PRO\*<sup>1</sup>

Photo Optimiser Pro improves the precision of existing photo optimiser functions, adds auto tone control, and makes it easy to optimise data correction while remaining as faithful as possible to the original image.

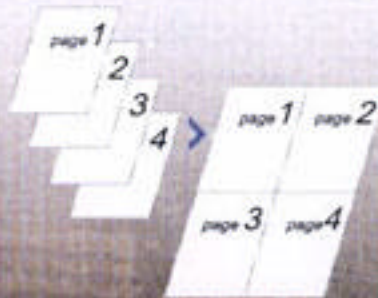
### DOCUMENT STAMP\*<sup>2</sup>

Provides a range of standard stamps such as "CONFIDENTIAL" and "IMPORTANT".



### PAGE LAYOUT\*<sup>3</sup>

Prints up to four pages of data on a single sheet for layout checking.



### REVERSE-ORDER PRINTING\*<sup>1</sup>

Prints in reverse order starting from the last page of the document specified; also compiles multi-page documents in the correct order (no need to sort pages after printing).



<sup>1</sup> Supports Windows 95 / Windows 98 / Windows Me / Windows NT4.0 / Windows 2000 / Mac OS 8.1 or later. <sup>2</sup> Supports Windows 95 / Windows 98 / Windows Me.

<sup>3</sup> Supports Windows 95 / Windows 98 / Windows Me / Windows 2000 / Mac OS 8.1 or later.

Printing Method	Bubble Jet ink on-demand	
Paper Handling	Automatic feed	
Sheet Feeder Capacity	Plain paper	100 sheets (64 g/m <sup>2</sup> )
	High resolution paper	80 sheets
	Transparencies	30 sheets
	Envelopes	10 max. (U.S.No.10 or European DL)
	Glossy photo paper	10 sheets
	Back print film	10 sheets
	High gloss photo film	1 sheet
	Glossy photo card	1 sheet
	T-shirt transfers	1 sheet
Paper Size	B5, B4, A5, A4, A3, Ledger, Letter, Legal, European DL, U.S. No.10	
Paper Type	Plain paper, Bubble Jet paper (LC-301), High resolution paper (HR-101), Envelopes (U.S. No.10 or European DL), Transparencies (CF-102), Back print film (BF-102), Glossy photo paper (GP-301), High gloss photo film (HG-201), Glossy photo cards (FM-101), Banner paper	
Plain Paper Weight	Automatic feed: 64 to 105 g / m <sup>2</sup> (17 to 28 lb.)	
Printing Speed	Monochrome (Approx.)	9 ppm (Text pattern)
	Color (Approx.)	6 ppm Print speed may vary with the content of the document and the processing speed of the host computer.
Resolution	1440 x 720 dpi	
Print Width	289.6 mm (11.4") max.	
Resident Printer Control Modes	Canon Extended Mode	
Interface	IEEE 1284 Compatible Parallel Interface / USB Interface	
Black BJ Cartridge BC-30e **	Print head	160 nozzles
	Ink tank BCI-3BK	Black ink tank
Color BJ Cartridge BC-31e **	Print head	48 nozzles for each color (cyan, magenta, yellow)
	Ink tank BCI-3C	Cyan ink tank
	Ink tank BCI-3M	Magenta ink tank
	Ink tank BCI-3Y	Yellow ink tank
Color BJ Cartridge BC-32e Photo **	Print head	48 nozzles for each color (black, cyan, magenta)
	Ink tank BCI-3PC Photo	Photo cyan ink tank
	Ink tank BCI-3PM Photo	Photo magenta ink tank
	Ink tank BCI-3PBK Photo	Photo black ink tank
Ink Capacity (Approx. figures)	BC-30e + BC-31e (Black)	BK: 1130 pages **
	BC-30e + BC-31e (Color)	BK: 1650 / C: 630 / M: 480 / Y: 370 pages **
	BC-31e + BC-32e (Photo)	PBK: 930 / PC: 420 / PM: 250 / C: 590 / M: 570 / Y: 290 pages ** PBK: 890 / PC: 160 / PM: 140 / C: 580 / M: 540 / Y: 220 pages **
Acoustic Noise Level	Approx. 48 dB(A) ISO 9296	
Operating Environment	Temperature	5°C to 35°C (41°F to 95°F)
	Humidity	10% to 90% with no condensation
Storage Environment	Temperature	0°C to 35°C (32°F to 95°F)
	Humidity	5% to 90% with no condensation
Power Source	USA/Canada	AC 120V, 60Hz
	Australia	AC 240V, 50Hz
	Europe	AC 230V±10%, 50Hz
	Asia	AC 220-230V, 50Hz
Power Consumption	Approx. 2W (Sleeping) Approx. 3W (Standby) Approx. 35W (Printing)	
Regulation	Energy Star, Blue Angel	
Dimensions	574 mm W x 328 mm D x 205 mm H	
Weight	Approx. 6.75 kg (without cartridge)	

\*1 Standard cartridge configuration may vary by region and certain cartridges may be sold as separate options.

\*2 For 1,500 characters (normal text) on A4 page. Print Mode: Plain Paper, Standard mode (default)

\*3 For ISO/IEC-SCID N5 (ISO 12640 N5) on A4 page. Print Mode: Plain Paper, Standard mode (default)

\*4 For ISO/IEC-SCID N5 (ISO 12640 N5) on A4 page. Print Mode: Plain Paper, Super Photo mode

\*5 For ISO/IEC-SCID N5 (ISO 12640 N5) on A4 page. Print Mode: High Resolution Paper, Super Photo mode (default) Print capacity specifications are based on manufacturer's test conditions. Actual number of pages may vary depending on usage conditions. The auto-cleaning function used in this printer to ensure continued print quality is designed to expel small quantities of each color of ink at regular intervals when power is switched on or during printing.

#### Minimum system requirements for printing with PC:

- **Windows®95 / Windows®98**  
486, 16MB RAM, 40 MB free HD space (for printer driver installation), CD-ROM drive, Parallel or USB interface\*, VGA display.
- **Windows®Me**  
Pentium® 150MHz or greater, 32 MB RAM, 40 MB free HD space (for printer driver installation), CD-ROM drive, Parallel or USB interface\*, VGA display.
- **Windows NT®4.0**  
Pentium®, 16MB RAM, 25 MB free HD space (for printer driver installation), CD-ROM drive, Parallel interface, VGA display.
- **Windows®2000**  
Pentium® 133MHz or greater, 32MB RAM for Professional, 64MB RAM for Server, 25 MB free HD space (for printer driver installation), CD-ROM drive, Parallel or USB interface\*, VGA display.  
\* USB operation can only be guaranteed on a PC with pre-installed Windows®98, Windows®Me, Windows®2000 (This includes Windows®Me and Windows®2000 upgraded from pre-installed Windows®98). This product supports the majority of USB equipped PCs; however due to differences in USB implementation (on some PC's) full compatibility can not be guaranteed.

#### Minimum system requirements for printing with Apple Macintosh:

- Macintosh with USB, Mac OS 8.1 or later, 10 MB available RAM, 30MB free HD space (for printer driver installation)

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• Microsoft, Windows, Windows NT are registered trademarks of Microsoft Corporation in the United States and in other countries.

• Apple, Macintosh, Mac are registered trademarks of Apple Computer, Inc. in the United States and in other countries.

• All other brand and product names are registered trademarks or trademarks of their respective owners.

• Specifications are subject to change without notice.

A3

Cost Saving  
Separate Ink  
Tank System

Sharper  
Black Text

Dual  
Interface

Scanner  
Function

S4500

THE BIG PICTURE, NATURALLY

QUALITY

1440  
X  
720dpi

6  
Colour  
Photo  
Printing

SPEED

Black  
9ppm

Colour  
6ppm

PLATFORM

Macintosh  
USB

Windows

# ASIA REGIONAL HEADQUARTERS

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website: <http://www.canon-asia.com>

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### Bangladesh

J.A.N. Associates  
Tel : 880-2-8611444  
Fax: 880-2-8610410

### Brunei

Interhouse Company  
Tel : 673-2-653005  
Fax: 673-2-653003

### Cambodia

Royal Cambodia Co Ltd  
Tel : 855-23-4-26414  
Fax: 855-23-4-26415

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Fax: 9111-680-7180

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Fax: 62-21-6544811

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Fax: 603-7446048

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Fax: 95-1-202079

### Nepal

International Electronics Concern (P) Ltd  
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Fax: 977-1-421909

### Pakistan

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Fax: 92-21-5687923

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Hotline: 65-3342726

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Fax: 941-448980

### Thailand

Canon Marketing (Thailand) Co Ltd  
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Fax: 66-2-3449910

### Vietnam

Ability Representative Office  
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Black BJ Cartridge  
(BC-30e)



Colour BJ Cartridge  
(BC-31e)



Colour BJ Cartridge  
(BC-32e Photo)



BJ Cartridge Container  
(SB-30)



Ink Tank for  
Black BJ Cartridge  
BC-30e  
(BCI-3eBK)



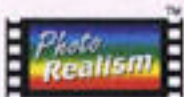
Ink Tanks for  
Colour BJ  
Cartridge BC-31e  
(BCI-3eC / BCI-3eM /  
BCI-3eY)



Ink Tanks for Colour BJ  
Cartridge BC-32e Photo  
(BCI-3ePBK Photo /  
BCI-3ePC Photo /  
BCI-3ePM Photo)



Scanner  
Cartridge  
(IS-32)



S series bubble jet printers

Canon