

Canon



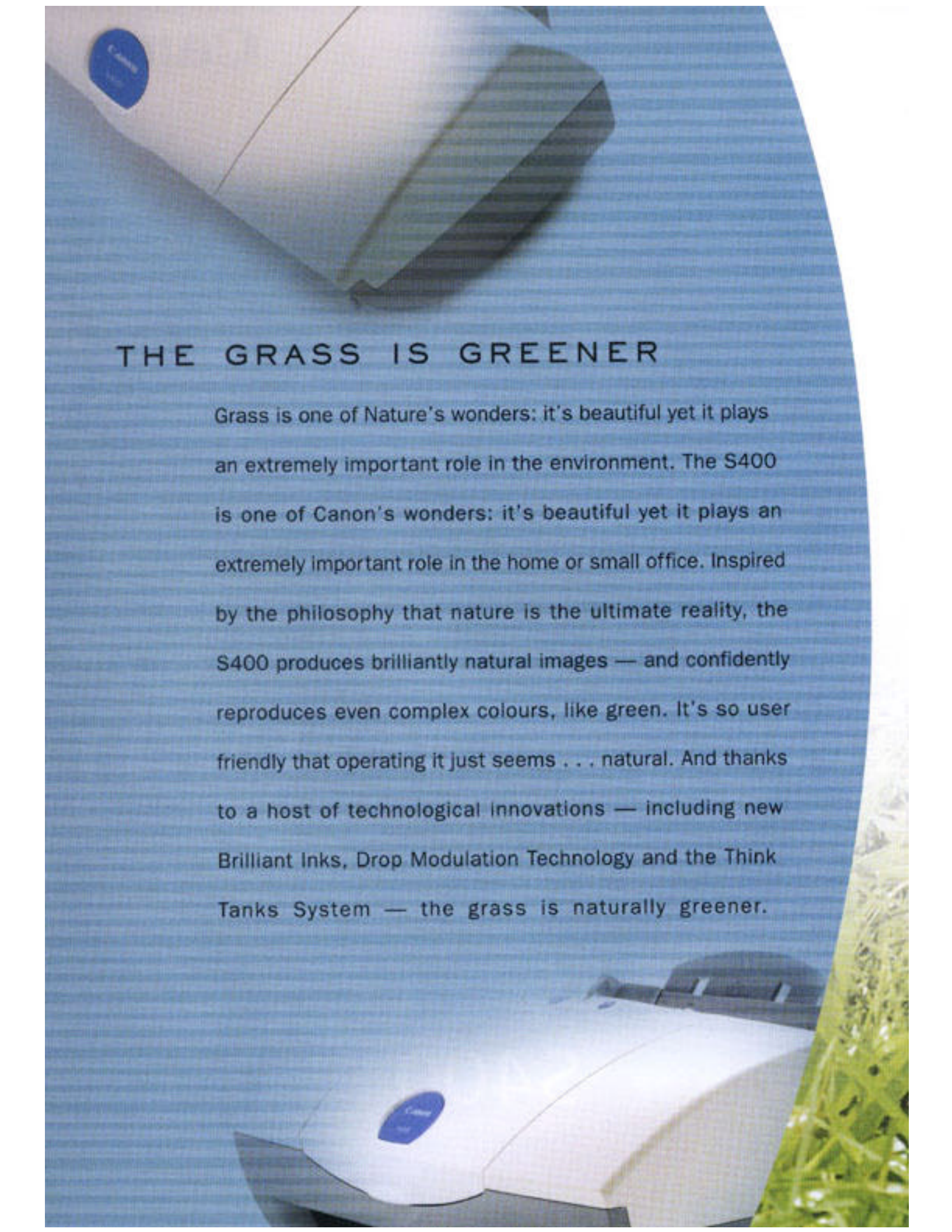
THE **NATURE** OF REALITY

BRILLIANT TECHNOLOGY FOR THE MOST NATURAL IMAGES EVER.

S450

BUBBLE JET PRINTER

S U P E R B I M A G E R E A L I T Y



THE GRASS IS GREENER

Grass is one of Nature's wonders: it's beautiful yet it plays an extremely important role in the environment. The S400 is one of Canon's wonders: it's beautiful yet it plays an extremely important role in the home or small office. Inspired by the philosophy that nature is the ultimate reality, the S400 produces brilliantly natural images — and confidently reproduces even complex colours, like green. It's so user friendly that operating it just seems . . . natural. And thanks to a host of technological innovations — including new Brilliant Inks, Drop Modulation Technology and the Think Tanks System — the grass is naturally greener.

BRILLIANT NEW INKS FOR

MORE NATURAL IMAGES



Canon ink cartridges for the S400 use new inks that produce sharper contrast, more vivid colours, more clearly defined blacks, and increase resistance to fading. The black ink in BC-30e (black) and BC-33e (regular colour) cartridges both employ pigment black ink for sharper text reproduction and improved water resistance.

NATURAL, PHOTO-GRADE QUALITY

The four-colour photo cartridge (BC-34e Photo) delivers superior gradation, which means more faithful reproduction of pale, intermediate colours — such as skin tones — and sharper rendering of highly illuminated areas. Colour bleed is also reduced.



HIGH-RESOLUTION PRINTING



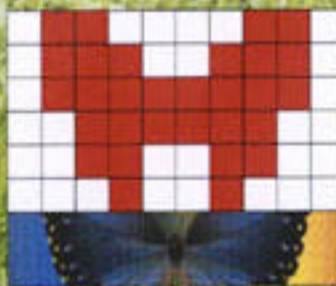
The S400 employs Drop Modulation Technology (DMT) to achieve a print resolution of up to 1440 x 720dpi*. With DMT, each nozzle in the print head can produce two sizes of ink droplets. DMT means high-quality printing at improved speeds using any cartridge: black, regular colour or photo.

* Using black BC-30e or regular colour BC-33e cartridge

S400 (1440 x 720 DPI)



LOWER RESOLUTION



FAST PRINTING

FAST SPEED, MORE ACCURACY

**Monochrome
Text**

9 PPM

Colour

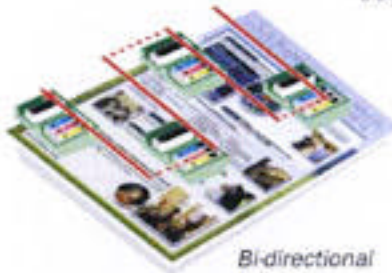
4 PPM

The S400 churns out monochrome at the rate of 9ppm* and colour at 4ppm** thanks to a multi-nozzle printing system — the black cartridge has 160 nozzles while colour and photo cartridges have 48 for each colour. With so many more nozzles and bi-directional printing, the S400 delivers spectacular improvements in printing speed without compromising print quality.

*Using the BC-30e black ink cartridge

**Using the BC-33e regular-colour ink cartridge

Conceptual diagram



Bi-directional printing



Uni-directional printing
(conventional)

COST SAVING

SEPARATE INK TANK SYSTEM

The S400 uses the Canon Think Tanks System, which allows you to replace individual inks rather than buying a complete cartridge each time a colour runs out. Moreover, the accurate ink-level detectors in the cartridge warn you when ink levels are low, so you need never run out of ink during a printing job.



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.



UNIQUE FEATURES

EASILY CONVERTS TO

A HIGH-RESOLUTION SCANNER



Replace the ink cartridge with an optional IS-32 scanner cartridge and the S400 instantly becomes a high-performance, 720dpi scanner.

DUAL INTERFACE (USB)

The S400 comes with parallel interface for Windows®98, Windows®2000, or USB interface for both Windows and Macintosh*.

** USB operation can only be guaranteed on a PC with pre-installed Windows®98, Windows®2000. 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)

WHISPER-QUIET PRINTING



The S400 was specially designed for whisper-quiet operation. At about 45 decibels, it won't create a disturbance, even during high-speed printing.



PHOTO PRINTING MADE EASY, NATURALLY

Driver software includes Photo Optimizer, which corrects the tonal range of images captured with a digital camera. It also features a Simulate Illustration function that easily transforms photos to illustrations. Monochrome Effects converts colour photos to sepia hue or other colour tones and can be used with the Illustration function to create very special effects.

Printing Method	Bubble Jet Ink on-demand	
Paper Handling	Automatic feed	
Sheet Feeder Capacity	Plain paper	100 sheets max. (64 g/m ²)
	High resolution paper	80 sheets
	Transparencies	30 sheets max.
	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 (182 mm x 257 mm), A5 (148 mm x 210 mm), A4 (210 mm x 297 mm), Letter (8.5" x 11"), Legal (8.5" x 14"), European DL (220 mm x 110 mm), U.S. No.10 (9.5" x 4.1"), Glossy Photo (6" x 4")	
Paper Type	Plain paper, Bubble Jet paper (Canon Bubble Jet Paper LC-301), High resolution paper (Canon High Resolution Paper HR-101), Envelopes (U.S. No.10 or European DL), Transparencies (Canon Transparencies CF-102), Back print film (Canon Back Print Film BF-102), Glossy photo paper (Canon Glossy Photo Paper GP-301), High gloss photo film (Canon High Gloss Photo Film HG-201), Glossy photo card (Canon Glossy Photo Cards FM-101), Banner paper (Canon Banner Paper)	
Plain Paper Weight	64 to 105 g/m ² (17 to 28 lb.)	
Printing Speed	Monochrome (Approx.)	9ppm (Text pattern)
	Colour (Approx.)	4ppm 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	218mm (8.6") max.	
Resident Printer Control Modes	Canon Extended Mode	
Interface	IEEE 1284 Compatible Parallel Interface, ECP Compliant / USB Interface	
Black BJ Cartridge BC-30e **	Print head	160 nozzles
	Ink tank BCI-3eBK	Black ink tank
	Ink Capacity (Approx. figures)	1150 pages**
Colour BJ Cartridge BC-33e **	Print head	48 nozzles for each colour (black, cyan, magenta, yellow)
	Ink tank BCI-3eBK	Black ink tank
	Ink tank BCI-3eC	Cyan ink tank
	Ink tank BCI-3eM	Magenta ink tank
	Ink tank BCI-3eY	Yellow ink tank
	Capacity (Approx. figures)	BK: 1520 / C: 550 / M: 410 / Y: 310 pages**
Colour BJ Cartridge BC-34e Photo **	Print head	48 nozzles for each colour (black, cyan, magenta, yellow)
	Ink tank BCI-3ePC Photo	Photo cyan ink tank
	Ink tank BCI-3ePM Photo	Photo magenta ink tank
	Ink tank BCI-3ePBK Photo	Photo black ink tank
	Ink tank BCI-3eY	Yellow ink tank
	Capacity (Approx. figures)	PBK: 920 / PC: 380 / PM: 210 / Y: 450 pages** PBK: 730 / PC: 210 / PM: 130 / Y: 270 pages**
Acoustic Noise Level	Approx. 45 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. 1W (Sleeping) Approx. 2W (Standby) Approx. 30W (Printing)	
Dimensions	418 mm (16.5") W x 306 mm (12.0") D x 169 mm (6.6") H	
Weight	Approx. 3.7 kg (without cartridge)	

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

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

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

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

** 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)

• Canon® is a registered trademark and the BJ, BJC, Color Bubble Jet mark, PhotoRealism, PhotoRealism mark and Drop Modulation Technology are trademarks of Canon Inc.

• 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.

Cost Saving

Separate Ink Tank System

Dual Interface

S400

A NATURAL PHENOMENON

Scanner

Function

A4

Sharper

Black Text

QUALITY

1440
X
720dpi

4
Colour
Photo
Printing

SPEED

Black
9ppm

Colour
4ppm

PLATFORM

Macintosh
USB

Windows

ASIA REGIONAL HEADQUARTERS

Canon Singapore Pte Ltd

79 Anson Road #09-01/06 Singapore 079906

Tel: 65-5324400 Fax: 65-2217577

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

SALES COMPANIES LIST

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

India

Canon India Ltd
Tel : 9111-680-6572/73/74
Fax: 9111-680-7180

Indonesia

P.T. Datascrip
Tel : 62-21-6544515
Fax: 62-21-6544811

Malaysia

Canon Marketing
(Malaysia) Sdn Bhd
Tel : 603-7450055
Fax: 603-7446048

Myanmar

Accel International Company Ltd
Tel : 95-1-202092/3/4
Fax: 95-1-202079

Nepal

International Electronics Concern (P) Ltd
Tel : 977-1-411807
Fax: 977-1-421909

Pakistan

Global Systems
Tel : 92-21-5681334
Fax: 92-21-5687923

Philippines

Canon Marketing (Philippines) Inc
Tel : 632-8126047
Fax: 632-8120067/8109797

Singapore

Canon Marketing Singapore Pte Ltd
Tel : 65-7998888
Fax: 65-2736786
Hotline: 65-3342726

Sri Lanka

Metropolitan Computers (Pvt) Ltd
Tel : 941-437797
Fax: 941-448980

Thailand

Canon Marketing (Thailand) Co Ltd
Tel : 66-2-3449999
Fax: 66-2-3449910

Vietnam

Ability Representative Office
Tel : 848-8114475
Fax: 848-8114474



Black BJ Cartridge
(BC-30e)



Colour BJ Cartridge
(BC-33e)



Colour BJ Cartridge
(BC-34e Photo)



BJ Cartridge Container
(SB-30)



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



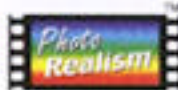
Ink Tanks for
Colour BJ Cartridge BC-33e
(BCI-3eBK / BCI-3eC /
BCI-3eM / BCI-3eY)



Ink Tanks for Colour BJ
Cartridge BC-34e Photo
(BCI-3ePBK Photo /
BCI-3ePC Photo /
BCI-3ePM Photo /
BCI-3ePY)



Scanner Cartridge
(IS-32)



S series bubble jet printers

Canon