

[www.creo.com/iQsmart1](http://www.creo.com/iQsmart1)

# iQsmart<sup>1</sup>

high-resolution, high-productivity professional flatbed scanner



The iQsmart<sup>1</sup>® scanner combines sharp imaging with high-speed operation, giving you more time for creativity. Outperforming any other scanner in its price range, the iQsmart<sup>1</sup> enables creative professionals to capture high-quality digital images, accurately preserving the artistry of photographs.

- high resolution: 7,500 dpi (3,200 dpi optical)
- XY scanning technology: scans any image size, anywhere on the scanning bed at the original's maximum optical resolution
- true image archiving with raw 16-bit RGB toned file workflow
- inverted CCD: improved scanning performance
- oXYgen RGB scanning application: powerful, flexible and easy to use
- scans any original type: negative and positive film, reflective photos, and other originals up to A3+
- operates in both Windows® and Macintosh® environments

**Advanced scanning technologies capture superior digital images delivering publication-quality results**

The iQsmart<sup>1</sup> scanner produces scans at a maximum resolution of up to 7,500 dpi (a true optical resolution of up to 3,200 dpi). It features XY scanning technology, which ensures consistent sharpness across the entire scanning bed.

The Inverted CCD, an innovative downward-facing device, improves scan quality by preventing fine dust particles from settling on the CCD surface.

**Powerful software and high-speed scanning enable creative professionals to apply all their artistic abilities**

The oXYgen RGB software application accelerates scanning performance and productivity through ICC color management, automation, and a complete set of professional image-editing tools. Intelligent sharpness tables automatically sharpen images while considering the scaling and original image type.

With an iQsmart<sup>1</sup> scanner you can scan up to 96 35-mm slides in one job, and run up to 50 scans an hour. Intuitive, easy-to-understand presets provide quality results quickly. You determine the scan's intended use, and the software sets the parameters accordingly.

High image density, 16-bit toned image output, and vivid color reproduction enable the iQsmart<sup>1</sup> scanner to meet creative professionals' scanning needs at an affordable price.



**creo**<sup>™</sup>

# iQsmart<sup>1</sup> Specification Highlights

## General Specifications

### Technology

Flatbed CCD scanner  
Trilinear 10,200 element  
XY scanning technology  
Inverted CCD

### Illumination

Transparent, reflective: cold cathode lamp

### Original types

Transparent (positive and negative)  
Reflective  
Framed slides  
Line art  
Printed material

### Original thickness

Reflective, unlimited;  
Transparency, 4.5 mm (3/16 in.)

### Interface

FireWire®/IEEE 1394

## Physical Specifications

### Operating environment

#### Temperature:

Operating: 16 to 27 °C (61 to 80 °F)  
Storage: -10 to 55 °C (14 to 131 °F)

#### Humidity:

40 to 70% relative humidity (non-condensing)

### Electrical requirements

#### Voltage:

100 to 240 VAC; 50 to 60 Hz  
Automatic voltage selection

#### Power consumption:

operating: 65 W  
standby: 50 W

### Physical characteristics

#### Size (H x W x D):

240 x 850 x 590 mm (9.4 x 33.5 x 23.2 in.)

#### Weight:

35 kg (77 lb.)

### Standards conformance

FCC, CE, ISO 9002

### Training: (included with each scanner)

oXYgen scanning application tutorial—Mac only  
oXYgen training application—Mac only  
Scanners training CD  
Quick start guide

## Imaging Specifications

### Maximum resolution (optical)

3,200 x 7,500 dpi

### Maximum resolution (interpolated)

7,500 dpi

### Scaling (at 300 dpi)

20-2500%

### Color depth

48 bits (16-bit color depth)

### Density (max)

3.9

### Density range

3.7

### Productivity

50 scans per hour

Benchmark: 6 x 7 cm, 250% at 300 dpi

### Scanning area

305 x 457.2 mm (12 x 18 in.)

### Output file formats

Scitex: Scitex CT™, Scitex LW™, Scitex New LW™  
EPSF: normal, DCS 2, JPEG compression, CCITT compression  
TIFF: RGB 16-bit toned, CMYK with optional dongle, JPEG compression  
JPEG

### Application features

#### oXYgen RGB scanning application (Mac version)

Full ICC color management

Rotation

Rescan

Auto detection

Direct scan

SmartSet function

Automatic image analysis

CMYK (optional), RGB, and unsharp masking (USM)

Image editing and proofing tools, including HLS color correction, LS curve, and split screen

Group Scan Mode

Parallel workflow—optional

Full oXYgen CMYK tools—optional

#### oXYgen LE Windows scanning application

Full ICC color management

Image editing and proofing tools, including HLS color correction, split screen, and color masks

SmartSet function

Automatic image analysis

CMYK (optional), RGB, and USM (unsharp masking)

## Resolution Per Format

	35 mm	6 x 6 cm	4 x 5 in.	8 x 10 in.	A4	A3
Maximum optical resolution	3,200 dpi	3,200 dpi	2,100 dpi	1,180 dpi	1,180 dpi	1,180 dpi
Maximum scanning resolution	7,500 dpi	7,500 dpi	2,100 dpi	1,500 dpi	1,500 dpi	1,500 dpi
Maximum enlargement	2,500%	2,500%	700%	500%	500%	500%

**Scanner options:****Oil Mounting Station**

Oil mounting improves the scan quality of cracked or scratched originals.

**CMYK application features:** Full CMYK editing and scanning functionality is provided.

**Parallel workflow:** Optimize an image while scanning another for increased productivity (Mac version only).

**Macintosh System Requirements**

Apple® iMac®, Power Mac® G4, and Power Mac® G5  
 Mac OS® X (version 10.2.3 Jaguar or later)  
 CD-ROM drive (required for software installation)  
 200 MB RAM for oXYgen scanning application  
 (not including memory for the system software)  
 Minimum 2 GB of free internal hard disk space  
 24-bit color display  
 Minimum 17-in. color monitor with a display capability  
 of millions of colors

**oXYgen LE scanning application\***

With intuitive controls, automated features, intelligent default settings, and sophisticated imaging control, Windows-based oXYgen LE software puts the full imaging power of the iQsmart<sup>1</sup> scanner in your hands.

\*Soon to be released

**Windows System Requirements**

Intel® Pentium® III or IV processor with minimum speed  
 of 866 MHz  
 Microsoft® Windows® 2000 Service Pack 2 or Windows® XP  
 CD-ROM drive (required for software installation)  
 256 MB RAM for oXYgen scanning application  
 1 GB free hard disk space  
 24-bit color display  
 Minimum 17-in. color monitor with a display capability  
 of millions of colors  
 Firewire/IEEE 1394 interface  
 Image Color Management (ICM) version 2.0 or later

Note: The above requirements may change. Refer to the most recent software release notes for the current minimum system requirements.

# Let's Talk

Contact your Creo representative to see how the professional scanning and workflow capabilities of iQsmart scanners can deliver the image quality and production speed that your business requires.

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**About Creo**

Creo Inc. is a global company with key strengths in imaging and software technology. As the leading provider of prepress systems, Creo helps over 25,000 customers worldwide adopt digital production methods which reduce costs, increase print quality and allow

them to serve their customers more efficiently. Based in Vancouver, Canada, Creo employs more than 4,000 people and reported fiscal 2003 revenue of US\$578 million. Creo trades on NASDAQ (CREO) and the TSX (CRE). [www.creo.com](http://www.creo.com)

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Produced using Creo technology

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