

# iQsmart<sup>2</sup>

high-resolution, high-productivity flatbed scanner



Combine sharp images with high-speed operation to accelerate your scanning workflow. Surpassing any other scanner in its price range, the iQsmart<sup>2</sup> scanner gives you the power to create innovative, production-quality scans.

- high resolution: 8,200 dpi (4,300 dpi optical)
- XY Stitch scanning technology: consistent resolution and sharpness for any size original
- inverted CCD: improved scanning performance
- oXYgen Scan software: powerful, flexible, and easy to use
- operates in both Windows and Macintosh

## Advanced scanning technologies for professional results

The iQsmart<sup>2</sup> scanner offers a true optical resolution of up to 4,300 dpi from edge to edge. Exclusive XY Stitch scanning technology ensures consistent sharpness and resolution regardless of the original's size or where it is placed on the scanning bed.

The inverted CCD, an innovative downward-facing CCD, dramatically improves scanning performance by preventing fine dust particles from settling on the CCD surface.

## Powerful, easy-to-use software for increased productivity

oXYgen Scan software accelerates scanning performance and productivity with a full set of professional image-editing tools, ICC color management, and automation. With an iQsmart<sup>2</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-use presets give you high-quality results quickly—you determine the scan's intended use, and the software sets the parameters accordingly.

\* 50 scans per hour. Benchmark: 6 x 7 cm, 250% at 300 dpi in Productive Group Scan Mode.



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## General Specifications

### Technology

Flatbed CCD scanner  
Tri-linear 10,200-element CCD  
XY Stitch 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 Scan—Application Learning Guide (Mac only)  
oXYgen training programs  
Color theory training programs  
Quick Reference Guide

## Imaging Specifications

### Maximum resolution (optical)

4,300 x 8,200 dpi

### Maximum resolution (interpolated)

8,200 dpi

### Scaling (at 300 dpi)

20–2700%

### Color depth

48 bits (16-bit color depth)

### Maximum density

3.9D

### Density range

3.7D

### Productivity

85 scans an hour (parallel workflow option)

50 scans an hour

Benchmark: 6x7 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, CMYK, JPEG Compression  
JPEG

### Application features

#### oXYgen Scan software (for Macintosh)

Full ICC color management  
Rotation  
Rescan  
Auto detection  
Direct scan  
SmartSet function  
Automatic image analysis  
CMYK and RGB scanning modes  
Image editing and proofing tools, including HLS color correction, LS curves, split-screen views, color masks, and USM (unsharp masking)  
Productive Group Scan Mode  
Advanced negative end points tool  
Advanced end points toning tool  
Parallel workflow—optional

#### Archive mode

16-bit TIFF files

#### oXYgen LE software (for Windows®)

Full ICC color management  
Rotation  
Direct Scan  
SmartSet function  
Automatic image analysis  
CMYK and RGB scanning modes  
Image editing and proofing tools, including HLS color correction, split-screen views, and USM (unsharp masking)

#### Archive mode

16-bit TIFF files



## Optional scanning enhancements:

### • Oil Mounting Station

Improve the scan quality of cracked or scratched originals by bathing them in scanning oil, on a separate mounting station. The Oil Mounting Station is easy to use and can be operated while the scanner begins another job, further increasing productivity.

### • Extended Workflow kit (for Mac only):

Optimize an image while scanning another for increased productivity.

#### Macintosh Software Requirements

Apple iMac, Power Macintosh G4 and G5  
 Mac OS X (version 10.3.x Panther)  
 CD-ROM drive (required for software installation)  
 200 MB RAM for oXYgen Scan software  
 (not including memory for the system software)  
 Minimum 2 GB of free internal hard-disk space  
 24-bit color display  
 Minimum 17-inch color monitor with a display capability of millions of colors and a resolution of 1024 x 768 pixels

#### 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 Scan software  
 1 GB free hard-disk space  
 24-bit color display  
 Minimum 17-inch color monitor with a display capability of millions of colors and a resolution of 1024 x 768 pixels  
 Firewire/IEEE 1394 interface  
 Image Color Management (ICM) version 2.0 or later

## Let's Talk

Contact your Creo representative to learn more about the iQsmart family of scanners, and how they fit into a Creo end-to-end prepress solution.

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

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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 that reduce costs, increase print quality, and allow them to serve their customers more efficiently. Based in Vancouver, Canada, Creo reported fiscal 2004 revenue of US\$635.8 million. Creo trades on NASDAQ (CREO) and the TSX (CRE).

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