

# iQsmart<sup>3</sup>

high-resolution, high-productivity flatbed scanner



**Streamline and accelerate your scanning workflow with consistently sharp images, automation, and high-speed production. Featuring a range of advanced scanning technologies, the iQsmart<sup>3</sup> scanner is an affordable solution for professionals requiring top-quality scans with an efficient, versatile workflow.**

- high resolution: 5,500 dpi optical, 10,000 dpi interpolated
- XY Stitch scanning technology: consistent resolution and sharpness for any size original
- inverted CCD: improved scanning performance
- high scanning speed: 85 scans per hour\*
- spectacular color range and depth: true 16-bit color and a maximum density of 4.1
- 16-bit SOOM workflow: save time by preserving scans for re-use
- oXYgen DOT Solution: professional copydot scanning

## **Advanced scanning technologies for professional results**

The iQsmart<sup>3</sup> scanner has a true optical resolution of up to 5,500 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, increases the scan quality, reliability, and performance of the iQsmart<sup>3</sup> scanner by virtually eliminating a major source of image degradation: fine dust particles on the CCD surface.

The iQsmart<sup>3</sup> scanner is fast, delivering production-quality scans at a rate of 85 scans an hour\*, and allowing you to scan up to 96 35-mm slides in one job. Its large scanning bed of 330 x 457 mm (13 x 18 inches) can accommodate two A4-size films simultaneously, or one A3-size film.

## **Intelligent software and flexible workflow meet the most demanding needs**

oXYgen Scan software accelerates scanning production, and improves image capture with intelligent, automated features. The scan once, output many (SOOM) workflow captures true 16-bit digital transparency (DT) files, and stores them at full resolution for quick repurposing, eliminating the need to re-scan them.

With oXYgen Scan software, you can scan for all types of workflows and output devices, including CMYK, RGB, 16-bit SOOM, and online applications. Intuitive, easy-to-understand presets give you professional results quickly—you determine the intended use of the scan, and the software sets the parameters accordingly.

The optional oXYgen DOT Solution allows you to digitize halftone film separations to produce sharp, crisp, professional results.

\* 85 scans per hour. Benchmark: 6 x 7 cm, 250% at 300 dpi in Productive Group Scan Mode.

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## Optional scanning enhancements:

### • oXYgen Open software

Increase productivity by running oXYgen Open software on any workstation. You can open, edit, and re-purpose 16-bit color image files without the need of a scanner.

### • oXYgen DOT Solution

Use your iQsmart<sup>3</sup> scanner for high-performance copydot scanning and digital descreening. The oXYgen DOT Solution offers tools that enable you to scan halftone film separations and customize the digital image for any purpose or output device.

### • 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.

### • oXYgen DTi Solution:

oXYgen DTi solution simultaneously creates a 16-bit DT file and a low-resolution image when you scan an original, allowing you to maximize productivity. You can rapidly scan image batches, manipulate OPI images, and create layouts that include selected OPI images. Once your page layout is complete, you can replace each low-resolution OPI image with a high-resolution 8-bit file that is customized and converted from a 16-bit digital transparency using oXYgen Open software.

### 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  
Halftone screened films

#### Original thickness

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

#### Light table

Built in

#### Interface

Firewire/IEEE 1394

### Imaging Specifications

#### Maximum resolution

10,000 dpi

#### Maximum optical resolution

5,500 x 10,000 dpi (for all original image sizes)

#### Scaling (at 300 dpi)

20–3300%

#### Color depth

48 bits (16-bit color depth)

#### Maximum density

4.1D

#### Density range

3.9D

### Imaging Specifications

#### Productivity

85 scans an hour  
6 x 7 cm, 250% at 300 dpi in Productive Group Scan Mode

#### Scanning area

A3: + 305 x 457.2 mm (12 x 18 in.)—transparent, reflective, and negative scanning  
A3: + 330.2 x 457.2 mm (13 x 18 in.)—copydot scanning

#### 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)

Parallel workflow  
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 unsharp masking (USM)  
Productive Group Scan Mode  
Advanced negative end points tool  
Advanced end points toning tool

##### Archive mode

16-bit DT files  
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 unsharp masking (USM)

##### Archive mode

16-bit DT files  
16-bit TIFF files

## 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

## oXYgen Scan software

With intuitive controls, automated features, intelligent default settings, and sophisticated imaging control, the Macintosh-based oXYgen Scan software puts the full imaging power of the iQsmart<sup>3</sup> scanner in your hands.

## Software Requirements

Apple iMac, Power Macintosh G4 and G5 with one free built-in FireWire port

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

*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 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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