

iQsmart³

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 iQsmart³ 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 iQsmart³ 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 iQsmart³ scanner by virtually eliminating a major source of image degradation: fine dust particles on the CCD surface.

The iQsmart³ 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.

creo[™]

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 iQsmart³ 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 iQsmart³ 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

© 2005 Creo Inc. The products mentioned in this document are trademarks or service marks of Creo Inc. and may be registered in certain jurisdictions. Other company and brand, product and service names are for identification purposes only and may be trademarks or registered trademarks of their respective holders. Data subject to change without notice. Apple, the Apple Logo [and any other Apple trademarks used] belong to Apple Computer, Inc.

creo[™]

www.creo.com

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).

Produced using Creo technology

Creo Inc.
3700 Gilmore Way
Burnaby, British Columbia
Canada V5G 4M1
T. +1.604.451.2700
F. +1.604.437.9891

Creo Americas, Inc.
3 Federal Street
Billerica, MA 01821
USA
T. +1.800.929.9209
F. +1.978.439.7144

Creo Asia Pacific Ltd.
3/F 625 King's Road
North Point
Hong Kong
T. +852.2882.1011
F. +852.2881.8897

Creo EMEA, SA.
Waterloo Office Park
Drève Richelle 161
B-1410 Waterloo
Belgium
T. +32.2.352.2525
F. +32.2.351.0915

Creo IL Ltd.
P.O. Box 330
Herzlia Industrial Park
46103 Herzlia B
Israel
T. +972.9.959.7222
F. +972.9.950.2922

Creo Japan Inc.
Ikebukuro TG Homest Bldg.
1-17-8, Higashi-Ikebukuro
Toshima-ku, Tokyo
170-0013, Japan
T. +81.3.5954.9050
F. +81.3.5954.9055