EverSmart Supreme II

imaging excellence and high productivity for professionals

The EverSmart® Supreme II scanner is designed for today's scanning-intensive graphic businesses, where maximum speed and excellent image quality are essential. Ultra-high resolution, extended dynamic range, and exceptional color depth are combined with unbeatable reliability and speed.

- high resolution: 5,600 dpi optical, 14,000 dpi interpolated

- spectacular color range and depth: true 16-bit color and a maximum density of 4.5

- CCD dynamic cooling and MaxDR: superb shadow detail

- high scanning speed: 120 scans per hour*

- 16-bit SOOM workflow: save time by preserving scans for re-use

- XY Stitch scanning technology: consistent resolution and sharpness for any size original

- oXYgen DOT Solution: professional copydot scanning

Step up to first-class scanning
The EverSmart Supreme II scanner is designed for the most demanding scanning jobs. Innovative scanning technologies, including XY Stitch, CCD dynamic cooling, and MaxDR (for achieving maximum dynamic range), enable you to acheive top-quality images with enhanced shadow detail from the largest or smallest originals.

Advanced scanning technologies for professional results
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. XY Stitch enhances productivity by allowing you to use the entire 305 x 432 mm (12 x 17 in.) surface. The EverSmart Supreme II can produce more scans per hour than ever before, making it the fastest scanner in the industry. It can scan up to 96 35-mm slides in one job and perform 120 scans per hour*.

The combination of CCD dynamic cooling and MaxDR results in a maximum density value of 4.5, allowing you to capture superb shadow detail from any type of original.

Powerful software and flexible workflow meet the most demanding needs
oXYgen Scan software accelerates scanning production and maximizes image capture with intelligent, automated features. The scan once, output many (SOOM) workflow captures true 16-bit digital transparency (DT) files, and stores them for quick re-use, 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 scan's intended use, and the software sets the parameters accordingly.

With optional copydot software, you can digitize halftone film separations to produce crisp, professional results.

* 120 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 repurpose 16-bit color image files without a scanner.

• oXYgen DOT Solution

Use your EverSmart Supreme II 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 custom-toned and converted from a 16-bit digital transparency using oXYgen Open software.

General Specifications

Technology

Flatbed CCD scanner
Tri-linear 8,000-element, anti-blooming CCD; up to 64,000 pixels per line
XY Stitch scanning technology
CCD Dynamic Cooling
MaxDR dynamic range enhancement

Illumination

Transparent and reflective illumination
Specially-designed, high-intensity 32 W fluorescent lamps; tailored to CCD spectrum response

Original types

Transparent (positive and negative)
Reflective
Framed slides
Line art
Printed material
Halftone screened films
Microscope slides

Original thickness

Reflective: unlimited
Transparency: 5 mm (3/16 in.)

Light table

Built in

Interface

FireWire

Imaging Specifications

Maximum resolution (optical)

5,600 x 14,000 dpi

Maximum resolution (interpolated)

14,000 dpi

Scaling (at 300 dpi)

20–4,660%

Color depth

48 bits (16 bits per color)

Maximum density

4.5D

Density range

4.3D

Productivity

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

Scanning area

305 x 432 mm (12 x 17 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: JPEG compression

Application features

oXYgen Scan software

Parallel workflow
Full ICC color management
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

EverSmart Supreme II scanner

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)

Noise:

Operating: 55 dBA
Standby: 45 dBA

Electrical requirements

Voltage:

100 to 240 VAC; 50 to 60 Hz,
automatic voltage selection

Power consumption:

Operating: 290 W
Standby: 200 W

Physical characteristics

Size (H x W x D):

360 x 870 x 700 mm (14 x 34 x 27.5 in.)

Weight:

70 kg (154 lb)

Standards conformance

FCC, CE, ISO 9002

List of training tools:

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, Macintosh-based oXYgen Scan software puts the full imaging power of the EverSmart Supreme II scanner in your hands.

Software Requirements

Apple 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 for more information on the EverSmart Supreme II scanner and optional scanning enhancements.

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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).

Produced using Creo technology

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