

# EPSON®

## RAZOR SHARP DETAIL, CUTTING EDGE PERFORMANCE

Truly phenomenal detail at a surprisingly affordable price. It's what you've probably only dreamed of and what the EPSON Perfection 1640SU delivers. Using Epson's Color MatrixCCD™ technology, this remarkable scanner boasts a 1600 x 3200 dpi hardware resolution—the highest in its class—and blazes through each task, producing sharp, vivid, high-quality results. With the EPSON ColorTrue® II Imaging System and true 42-bit performance, it provides incredible scans with a vast array of color.

The perfect alternative to expensive, high-end scanners, the EPSON Perfection 1640SU takes state-of-the-art digital technology and makes it accessible to everyone from entry-level graphic artists to advanced photography enthusiasts. Available in three different models, it's the perfect fit, whatever your needs may be:

- Ideal for scanning photos, text, and graphics, the **EPSON Perfection 1640SU** includes powerful software applications for specialized projects and presentations.
- For maximum versatility right out of the box, the **EPSON Perfection 1640SU PHOTO** comes with its own transparency unit. You can easily scan film, negatives or slides for spectacular prints and enlargements.
- With a 30-page, 5.5 ppm automatic document feeder included, the **EPSON Perfection 1640SU OFFICE** speeds through multiple documents for maximum productivity.

With automatic one-touch scanning or customized manual scans, the possibilities are endless. From a company recognized for its advanced imaging solutions, this premium scanner is a great match for an EPSON Stylus® Photo printer. It offers maximum creativity for digital photography both now and in the future.

The EPSON Perfection 1640SU gives you unrivaled image quality and performance—all at a premium value.

## EPSON Perfection® 1640SU Color Flatbed Scanner

### FEATURES

### BENEFITS

- |  |   |
|--|---|
| • <b>1600 x 3200 dpi hardware resolution</b>                 | Offers phenomenal image quality and razor sharp detail.   |
| • <b>True 42-bit color depth</b>                             | Delivers a vast array of vivid, true-to-life colors.  |
| • <b>Fully automatic, one-touch scanning</b>                 | Scans photos, text, or graphics, all at the touch of a button.  |
| • <b>Plug and play USB and fast SCSI connections</b>         | Ensures fast, simple setup on a variety of systems, including both Windows and Macintosh.   |
| • <b>Premium software bundle</b>                             | Adobe® PhotoDeluxe®<br>ScanSoft® TextBridge® Pro OCR<br>ArcSoft® PhotoPrinter™<br>ArcSoft® Panorama Maker™<br>ArcSoft® Photo Montage™<br>EPSON Smart Panel™<br>EPSON TWAIN Scanning Software<br>Adobe Photoshop® 5.0 LE*<br><small>* Included only on the EPSON Perfection 1640SU and the EPSON Perfection 1640SU PHOTO</small> |
| • <b>Optional transparency unit</b>                          | Offers added versatility for scanning slides, film, negatives, and transparencies.<br><small>(included on the EPSON Perfection 1640SU PHOTO)</small>  |
| • <b>Optional 30-page, 5.5 ppm automatic document feeder</b> | Provides quick multiple-document scans for increased productivity.<br><small>(included on the EPSON Perfection 1640SU OFFICE)</small>   |



EPSON Perfection 1640SU PHOTO

EPSON Perfection 1640SU OFFICE

EPSON Perfection 1640SU

**Scanner Type**

Flatbed color image scanner

**Scanning Method**

Movement of reading head

**Photoelectric Device**

Color MatrixCCD line sensor

**Maximum Read Area**

8.5" x 11.7" (216mm x 297mm)

**Light Source**

Cold cathode fluorescent lamp

**CCD Resolution**

1600 dpi

**Hardware Resolution**

1600 x 3200 dpi maximum with Micro Step Drive™ technology

**Maximum Resolution**

12800 x 12800 dpi with software interpolation

**Effective Pixels**

13,600 x 18,720

**Image Data**

Color Depth	42-bits per pixel internal 42-bits per pixel external (selectable)
Grayscale Depth	14-bits per pixel internal 14-bits per pixel external (selectable)
Line Art	1-bit per pixel

**Optical Density**

3.2 Dmax

**Reading Sequence**

One-pass scanning

**Scanning Speed (1600 dpi, draft mode)**

256 gray level	8.7 msec/line (approx.)
Full color	3.0 msec/line (approx.)

**Operating Systems Supported**

PC	Windows 95, 98, 2000 or NT
Macintosh	Macintosh OS 8.0 or later

**Minimum System Requirements**

**Windows and Macintosh Requirements**

- 50MB of available hard disk space (minimum)
- CD-ROM drive (4x or faster)
- VGA Monitor and Display Adapter with at least 256 colors
- Available USB or SCSI connection
- Mouse or pointing device

**Additional Windows Requirements**

- IBM® compatible PC with Pentium® equivalent or higher processor
- SCSI: Windows 95, 98, 2000 or NT operating system
- USB: Windows 98 (factory installed) or Windows 2000 operating system
- 32MB RAM (64MB recommended)

**Additional Macintosh Requirements**

- iMac™ computer or any USB enabled Macintosh computer with System 8.5 or later
- SCSI: System 8.0 or later
- USB: System 8.5 or later
- 32MB RAM (64MB recommended)

**Interfaces**

USB and SCSI

**Contents**

- EPSON Perfection 1640SU scanner
- CD-ROM with EPSON TWAIN scanning software and premium software
- USB cable
- EPSON Scanner Basics Guide
- Transparency unit \*
- Automatic document feeder \*\*

**Reliability**

MCBF 30,000 cycles

**Environmental Conditions**

Temperature	Operating 41°F to 95°F (5°C to 35°C)
Humidity	Operating 10% to 80% Storage 10% to 85% (no condensation)

**Power Requirements**

Voltage	AC100–120V
Frequency	49.5–60.5Hz
Power Consumption	25W

**Physical Dimensions (scanner only)**

Width	11.4" (28.9 cm)
Depth	17.4" (44.2 cm)
Height	3.78" (9.6 cm)
Weight	9.91 lb (4.5 kg)

**Optional Accessories**

Transparency Unit	Scans 35mm to 4" x 5" film, negatives or transparencies
Automatic Document Feeder	Scans up to 30 pages of letter or legal size documents

**Product/Accessory Part Numbers**

EPSON Perfection 1640SU Scanner	B126021
EPSON Perfection 1640SU PHOTO Scanner	B126111
EPSON Perfection 1640SU OFFICE Scanner	B126201
Transparency Unit	B813172
Automatic Document Feeder	B813222

**Warranty**

One year limited warranty in the U.S. and Canada

**Support—The Epson Connection<sup>SM</sup>**

Pre-Sales Support U.S. and Canada	800-463-7766
Automated Technical Support	800-922-8911
Internet Website	www.epson.com

\* Transparency unit only included on the EPSON Perfection 1640SU PHOTO.  
\*\* Automatic document feeder only included on the EPSON Perfection 1640SU OFFICE.



YOU'VE GOT TO SEE IT IN **EPSON** COLOR.™

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