

EPSON®

THE HIGH-PERFORMANCE 1600 DPI SCANNER FOR GRAPHICS PROFESSIONALS.

The highest resolution in its class. The fastest scanning speed in its class. Combine them and it's clear: the EPSON® Expression® 1600 is in a class by itself. In fact, it's one of the few scanners fast enough and powerful enough to complement the newest Power Macintosh® and PC systems.

Boasting 1600 x 3200 dpi resolution, 36-bit color and 3.3 Dmax, this high-performance powerhouse produces outstanding professional images. The EPSON Expression 1600 is also equipped with our exclusive ColorTrue® II Imaging System, a proprietary technology combining custom optics, a Xenon lamp, dynamic range control, superior image processing and MatrixCCD™ technology. The result? Strikingly realistic color and pinpoint registration make the EPSON Expression 1600 ideal for your most demanding graphics applications.

For high volume batch scanning, you'll really appreciate the EPSON Expression 1600's custom film holders. Simply set all your scan settings once and the EPSON Expression 1600 executes the entire batch scan in one quick operation. Plus, the EPSON Expression 1600's Dual-Focus Mechanism, used with its custom film holders, eliminates the "Newton Ring" problem common in less sophisticated scanners.

Setup is a snap. Simply take the EPSON Expression 1600 out of the box and connect it to virtually any SCSI- or USB-equipped system. It can then be shared through a PC server across a network of PC and Mac systems.

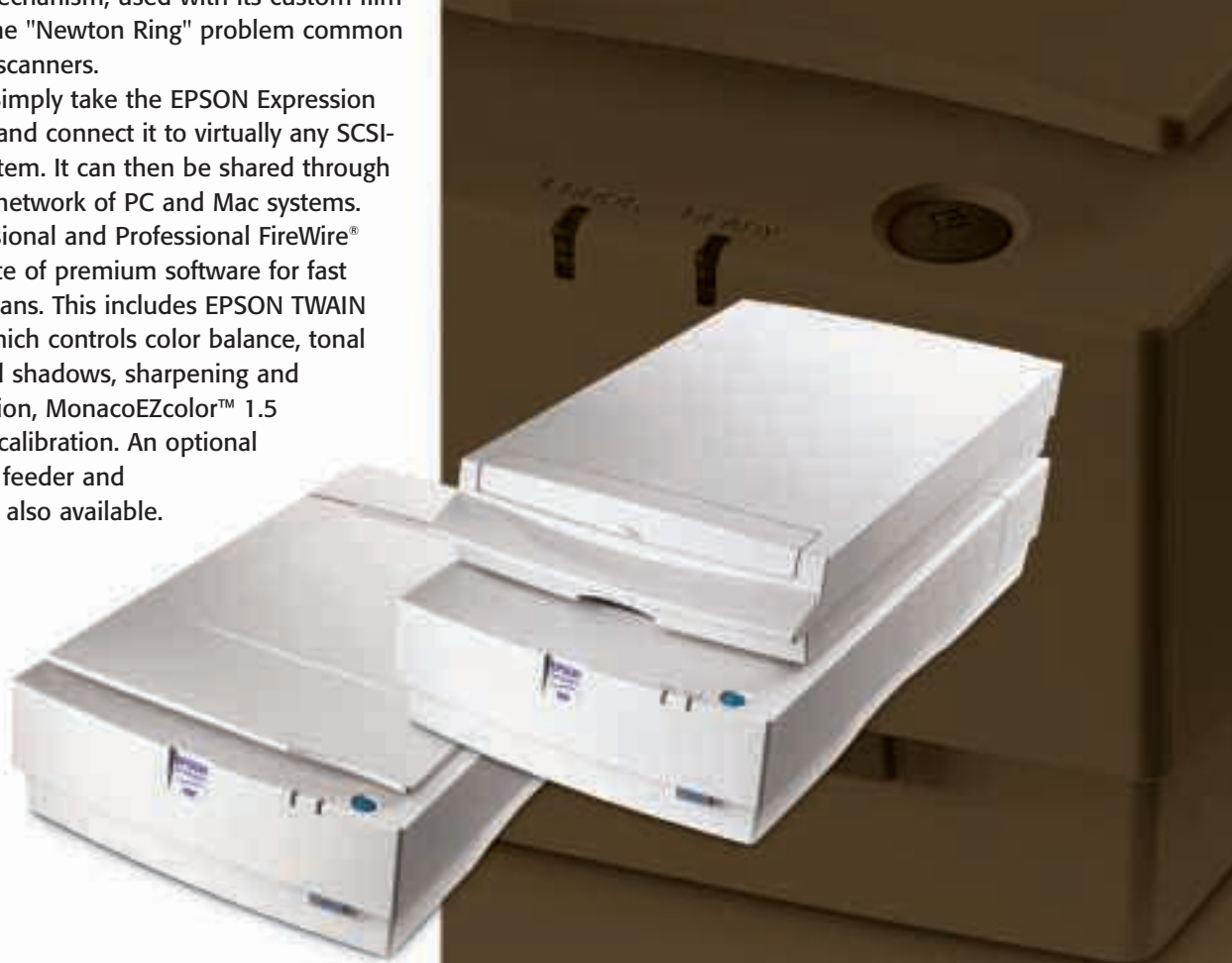
The Artist, Professional and Professional FireWire® models include a suite of premium software for fast and color-accurate scans. This includes EPSON TWAIN Pro scanner driver which controls color balance, tonal curves, highlights and shadows, sharpening and descreening. In addition, MonacoEZcolor™ 1.5 offers accurate color calibration. An optional automatic document feeder and transparency unit are also available.

EPSON Expression 1600 Color Flatbed Scanner

FEATURES

BENEFITS

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| • 1600 dpi resolution (highest in its class) | 1600 x 3200 dpi hardware resolution with Micro Step Drive™ technology; 36-bit color depth, 12-bit grayscale and exclusive ColorTrue II Imaging System for enhanced details and color. |
| • High speed scanning, scans an 8.5" x 11" color photo at 300 dpi in 20 seconds | ASIC significantly increases productivity; full color preview in as little as 8 seconds; scans a 35mm slide at 1600 dpi in under 60 seconds. |
| • Exceptional dynamic range, up to 3.3 Dmax for transparency scanning | Provides enhanced highlights and superb shadow detail from transparencies; intelligent negative scanning capability for 35mm film strips. |
| • Dual-Focus Mechanism | Eliminates "Newton Rings" in transparency scans. |
| • Superior connectivity support | Standard USB and SCSI ports; optional internal IEEE-1394 FireWire card; works across networks in a mixed platform workgroup with Macintosh and PC systems. |
| • Premium software bundle | EPSON TWAIN Pro, MonacoEZcolor 1.5, Adobe® PhotoShop® 5.0 LE, Xerox® Textbridge® Classic OCR, NewSoft™ Presto!® PageManager®. |



SCANNER SPECIFICATIONS

General Specifications

Scanner type	Flatbed color image scanner
Subscanning method	Movement of reading head
Photoelectric device	Color CCD line sensor
Maximum read size	8.5" x 11.7" (21.6cm x 29.7cm)

Scanning Specifications

Light source	Xenon gas cold cathode fluorescent lamp
CCD resolution	1600 dpi
Hardware resolution	1600 x 3200 dpi maximum with Micro Step Drive technology
Maximum resolution	12,800 x 12,800 dpi with interpolation
Effective Pixels	13,600 x 18,720 pixels (1600 dpi)
Image data	
Color depth	36 bits per pixel internal/external
	24 bits per pixel/external (selectable)
Grayscale depth	12 bits per pixel internal/external
	8 bits external (selectable)
Line Art	1 bit/pixel
Scaling (Zoom)	50% to 200% (1% step)
Brightness	7 Levels
Reading sequence	One-pass scanning
Optical Density	3.3 Dmax
Focus control	2 position
Interface	SCSI-II & USB Standard, IEEE-1394 (FireWire) Optional

Scanning Speed (A4, 1600 dpi, draft mode)

Color	9.2 msec/line (approx.)
Grayscale	3.1 msec/line (approx.)
Line Art	3.1 msec/line (approx.)

Digital Halftoning

Error Diffusion	3 modes (A, B, C)
Dither (resident)	4 modes (A, B, C, D)
Dither (user specified)	2 modes (A, B)

Gamma Correction

CRT	2 modes
Printer	3 modes
User defined	1 mode

Color Correction

5 modes	Impact
	Color thermal
	Color ink jet
	CRT
	User defined

Reliability

MCBF	100,000 cycles
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Environmental Conditions

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

Operating Systems Supported

PC	Windows® 95/98/NT™ 4.0
Mac	System 7.5 or higher

Power Requirements

Voltage	AC 100V–120V
Frequency	49.5–60.5Hz
Power Consumption	30W (approx.) 50W max. w/optional unit 10W standby wo/optional unit

Physical Dimensions

Width	13" (332mm)
Depth	22.2" (562mm)
Height	5.2" (133mm)
Weight	18.7 lb (8.5 Kg approx.)

Configurations

Special Edition Model	
MAC & PC	- EPSON TWAIN Pro Scanner Utilities - USB cable

Artist Model	
MAC & PC	- EPSON TWAIN Pro Scanner Utilities - MonacoEZcolor 1.5 - Adobe Photoshop 5.0 LE - Xerox TextBridge Classic OCR - NewSoft Presto! PageManager - USB cable

Professional Model	
MAC & PC	- Transparency Unit - EPSON TWAIN Pro Scanner Utilities - MonacoEZcolor 1.5 - Adobe Photoshop 5.0 LE - Xerox TextBridge Classic OCR - NewSoft Presto! PageManager - USB cable

Professional FireWire Model	
MAC & PC*	- Transparency Unit - EPSON TWAIN Pro Scanner Utilities - MonacoEZcolor 1.5 - Adobe Photoshop 5.0 LE - Xerox TextBridge Classic OCR - NewSoft Presto! PageManager - USB cable - FireWire cable

*Requires Windows 2000. Updated EPSON Scanner Drivers will be available after the official release of Windows 2000.

Product/Accessory Part Numbers

EPSON Expression 1600	
Special Edition	E1600-SE
EPSON Expression 1600	
Artist	E1600-ART
EPSON Expression 1600	
Professional	E1600-PRO
EPSON Expression 1600	
Professional FireWire	E1600-PROFWR
IEEE-1394 FireWire Scanner Interface Card	B808342
Transparency Unit	B813182
Automatic Document Feeder	B813162

Warranty

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

Support—The Epson Connection™

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

Epson America, Inc.

3840 Kilroy Airport Way, Long Beach, CA 90806

Epson Canada, Ltd.

550 McNicoll, Willowdale, Ontario M2H 2E1

Epson Latin America:

6303 Blue Lagoon Drive, Miami, FL 33126 305-265-0092



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



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