

**Complete Benchmark Results**

# **The Adobe Creative Suite 2 Benchmark Report**

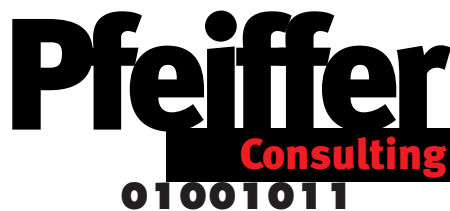
**Productivity Measures of the Adobe Creative Suite 2**

**Client: Adobe Systems**

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**Benchmark Report**


**The Adobe Creative Suite 2 Benchmark Project**

## **About the Benchmark Project**

**Section: About the Benchmark Project**

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**October 14, 2005**

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	<b>The Adobe Creative Suite 2 Benchmark Project</b>	

## 1 About this Report

This report presents the results of the benchmarks conducted for the Adobe Creative Suite 2 Productivity Benchmark Project.

## 2 About the Benchmark Project

This benchmark project was conceived and conducted to document differences in productivity between the Adobe Creative Suite 2, the first release of the Adobe Creative Suite and standard workflows, focusing specifically on the productivity impact of the integration and workflow features provided by the Adobe Creative Suite 2 over workflows using standardized file formats and workflows.

## 3 Productivity Measures: Methodology Overview

### 3.1 Overview

The **integration benchmarks** covered several aspects of integration: file format integration between different applications of the Adobe Creative Suite 2, as well as support for native file formats such as Camera Raw.

**Workflow management and versioning benchmarks** compared the impact of Version Cue CS2 version management with file system based management of files and versions.

**Administration benchmarks** measured the time necessary to deploy the Adobe Creative Suite 2 as opposed to installing individual applications.

(See also “**Benchmarks and Productivity Measures: Detail**” on page 5)


**InDesign CS2 benchmarks:** A specific benchmark project was conducted comparing InDesign CS functionality with QuarkXPress 6.5 based workflows. For more details, please see **The Adobe InDesign CS2 Benchmark Report**.

### 3.2 About the methodology of the productivity benchmarks

Productivity Benchmarks were composed as a number of phases. Every phase of the benchmark was then defined as **several sets of clearly defined, repeatable steps**. These steps were then executed in a strictly identical way by trained professionals.

Each set of steps was executed three times; the average of all three results were used in the charts. The total times for each benchmark were obtained by **cumulating the average measures obtained for each individual set of step**.

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### 3.3 Scripting

No scripting was used in the execution of the benchmark: The main aim of these measures was to show real-world productivity, and had to take into account the time necessary for a trained operator to perform all the steps required in a project.

### 3.4 Keyboard shortcuts and productivity features

Commonly used keyboard shortcuts and productivity features were authorized in certain sets of benchmarks, and used in an identical way in all programs.

## 4 Hardware Overview

### 4.1 Hardware platform

All benchmarks and productivity measures were conducted on the Macintosh platform.

### 4.2 Hardware configurations used

- 2.5GHz Power Macintosh G5

### 4.3 System software


- Mac OS 10.4

## 5 Configuration – Overview

### 5.1 System setup


- All tests were performed using a standard system installation and configuration.
- All computers were completely re-initialized prior to tests, using the default values for installation.
- All hard drives were re-formatted using a single partition.
- All software was installed from scratch, using default settings.
- The only software installed on the systems were the applications necessary for the benchmarks.
- No peripherals were connected to the systems during performance benchmarks.

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**Benchmarks and Productivity Measures: Detail**

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## 6 Application Integration Benchmarks

### 6.1 Overview

Application integration benchmarks were defined to measure the productivity gains linked to the use of native file formats in a creative workflow, as opposed to a workflow which relies on intermediary files saved in standard file formats such as TIFF, EPS, JPEG or GIF.

### 6.2 Benchmarks

Integration was tested between the following applications:

- Photoshop CS2 and GoLive CS2
- Illustrator CS2 and GoLive CS2
- Photoshop CS2 and InDesign CS2
- Illustrator CS2 and Photoshop CS2

A multiphase, multiple media integration benchmark measured the impact of Adobe's Smart Object technology on productivity, by measuring the productivity gains when creating multiple revisions of a graphic in a web design project using Smart Objects rather than standard files.

## 7 Administration Benchmarks

### 7.1 Overview


The administration benchmark set out to quantify productivity gains linked to the installation of the Adobe Creative Suite 2 as opposed to installation of individual applications.

### 7.2 Benchmarks

The benchmarks measured the time necessary to install the core applications contained in the Adobe Creative Suite 2, first individually, entering the serial number for each application, then by triggering the installation of the Adobe Creative Suite 2 in a single operation.

An additional benchmark measured the productivity gains linked to the "Synchronize Color Settings" feature available in Bridge.

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## 8 Versioning and Workflow Benchmarks

### 8.1 Overview

This series of benchmarks was defined in order to measure the productivity impact of Version Cue CS2 technology, as compared to manually managing files using the operating system file structure.

### 8.2 Benchmarks

- **Versioning project**

This assignment based productivity benchmark consisted in setting up a small workgroup (two layout workstations, one image retouching workstation, and one Illustrator workstation), working together over a Gigabit Ethernet network.

This team collaborated on a project involving creating and saving several versions of a page layout document, image files and Postscript illustrations. In one scenario, all files of the project were accessed through the shared Version Cue CS2 workspace. In the second, all files were placed on a shared server volume on the network, and the last case the files were copied from the server to the local hard drive, and then copied back to the server to share the new version with the group.

Only the times necessary for the file management tasks were measured.

N.B. This benchmark involved both Macintosh and Windows computers exchanging files during the project.

## 9 Bridge Benchmarks

### 9.1 Overview

This series of benchmarks measured the productivity impact of the Bridge file browser environment which is part of Adobe Creative Suite 2. The productivity measures compared the time necessary to complete an operation using Bridge, with the time necessary to complete the same operation using the file system.

### 9.2 Benchmarks

- **Locating and placing files with Bridge**
- **Sorting high-resolution images with Bridge**
- **Processing RAW files with Camera Raw through Bridge**
- **Drag-and-Drop image placement with Bridge and InDesign CS2**

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**Benchmark Report**

**The Adobe Creative Suite 2 Benchmark Project**

## **Results and Charts**

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## File Integration Benchmarks: Application Integration Benchmarks

### Illustrator CS2 - Golive CS2

	Trad. Workflow	CS	CS2
<b>Total</b>	113,5	52,7	37,5
<b>Total + additional revision cycle</b>	159,7	57,2	41,8

### Illustrator - Photoshop CS2

	Trad. Workflow	CS	CS2
<b>Total</b>	109,8	69,1	41,5
<b>Total + additional revision cycle</b>	141,9	89,9	50,7

### Photoshop CS2 - Golive CS2

	Trad. Workflow	CS	CS2
<b>Total</b>	165,3	136	114,8
<b>Total + additional revision cycle</b>	233,8	178,8	162,4

### InDesign - Photoshop CS2

	Trad. Workflow	CS	CS2
<b>Total</b>	81	36,7	28,6
<b>Total + additional revision cycle</b>	110,2	48,9	36,1

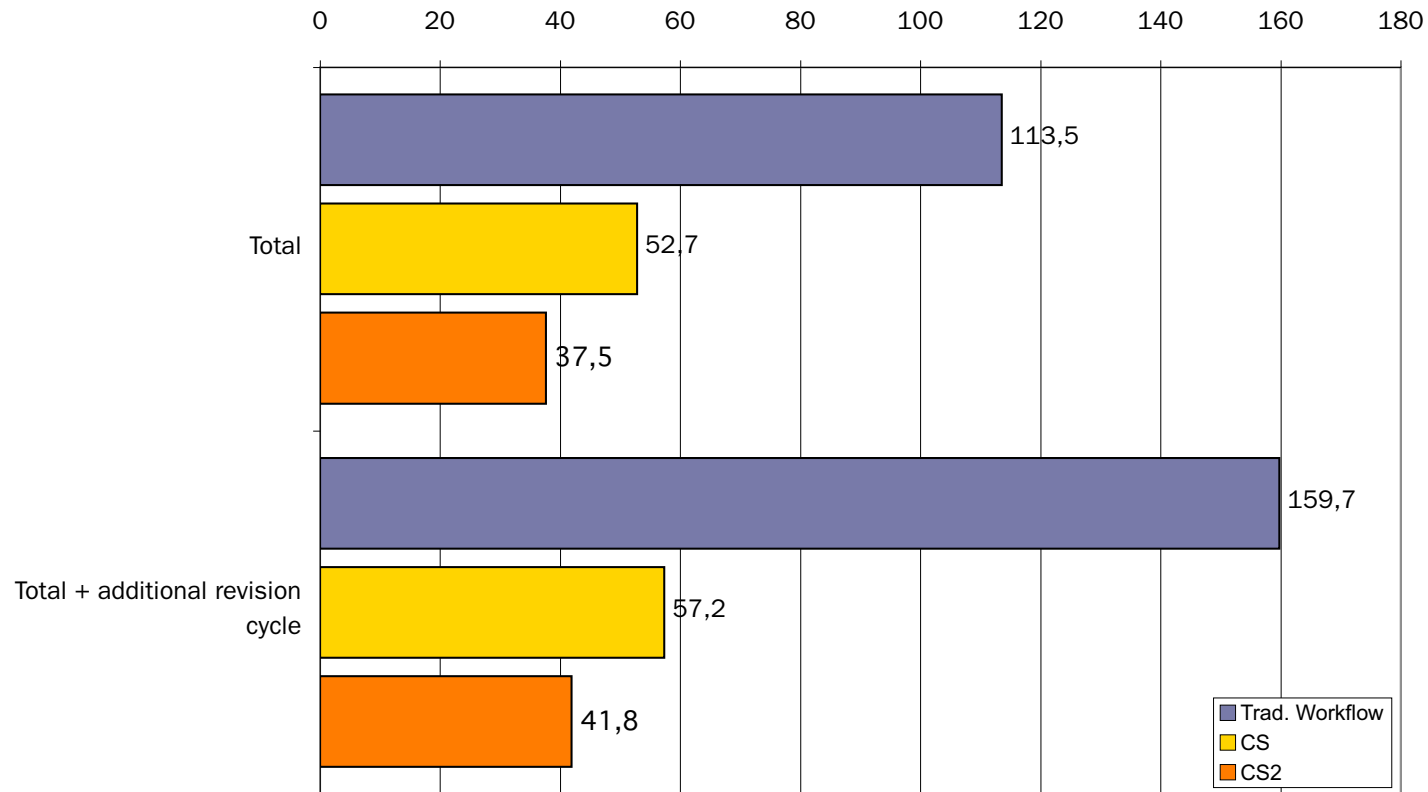
Time in seconds. Shorter is better

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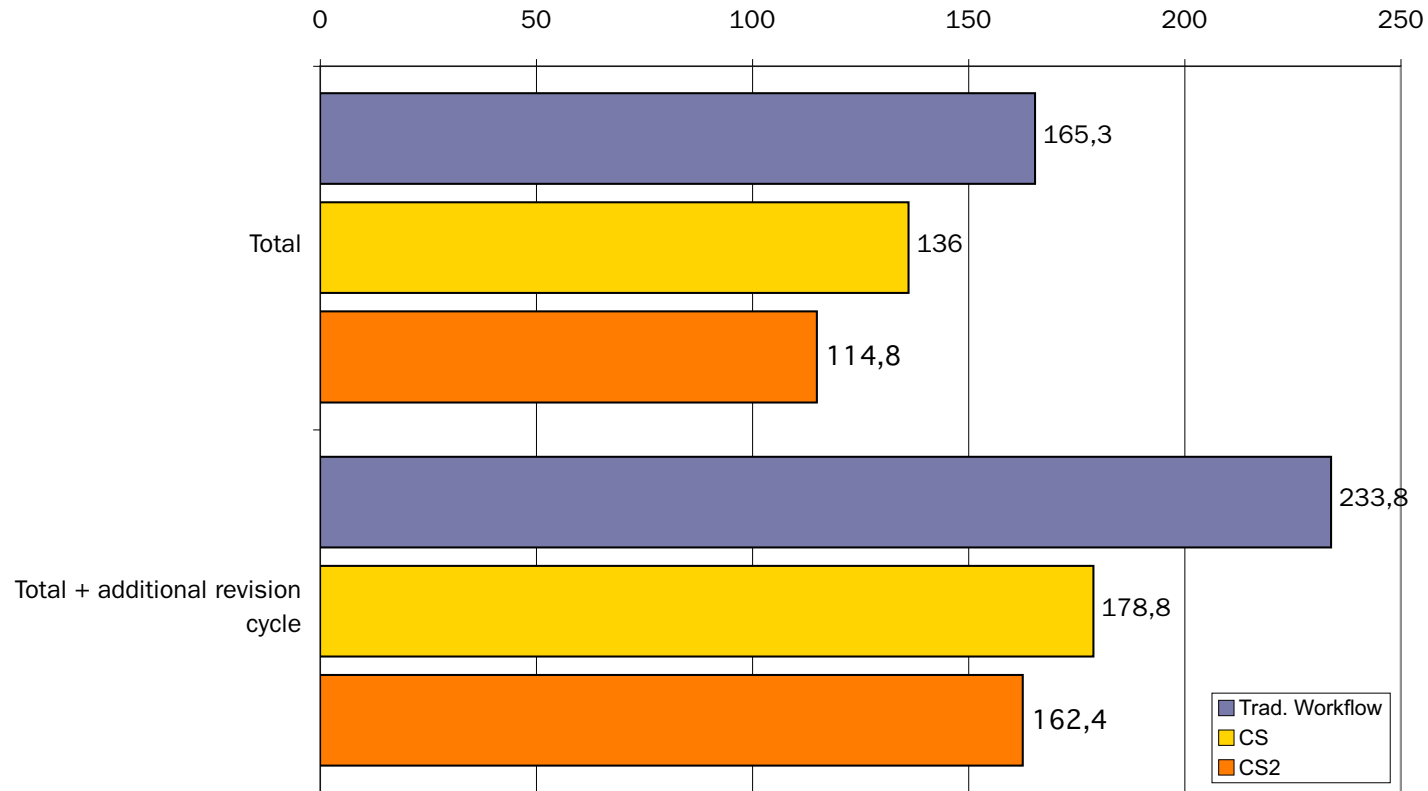
**Application Integration Illustrator CS2 - GoLive CS2**



Time in seconds. Shorter is better

**Section: Results and Charts**

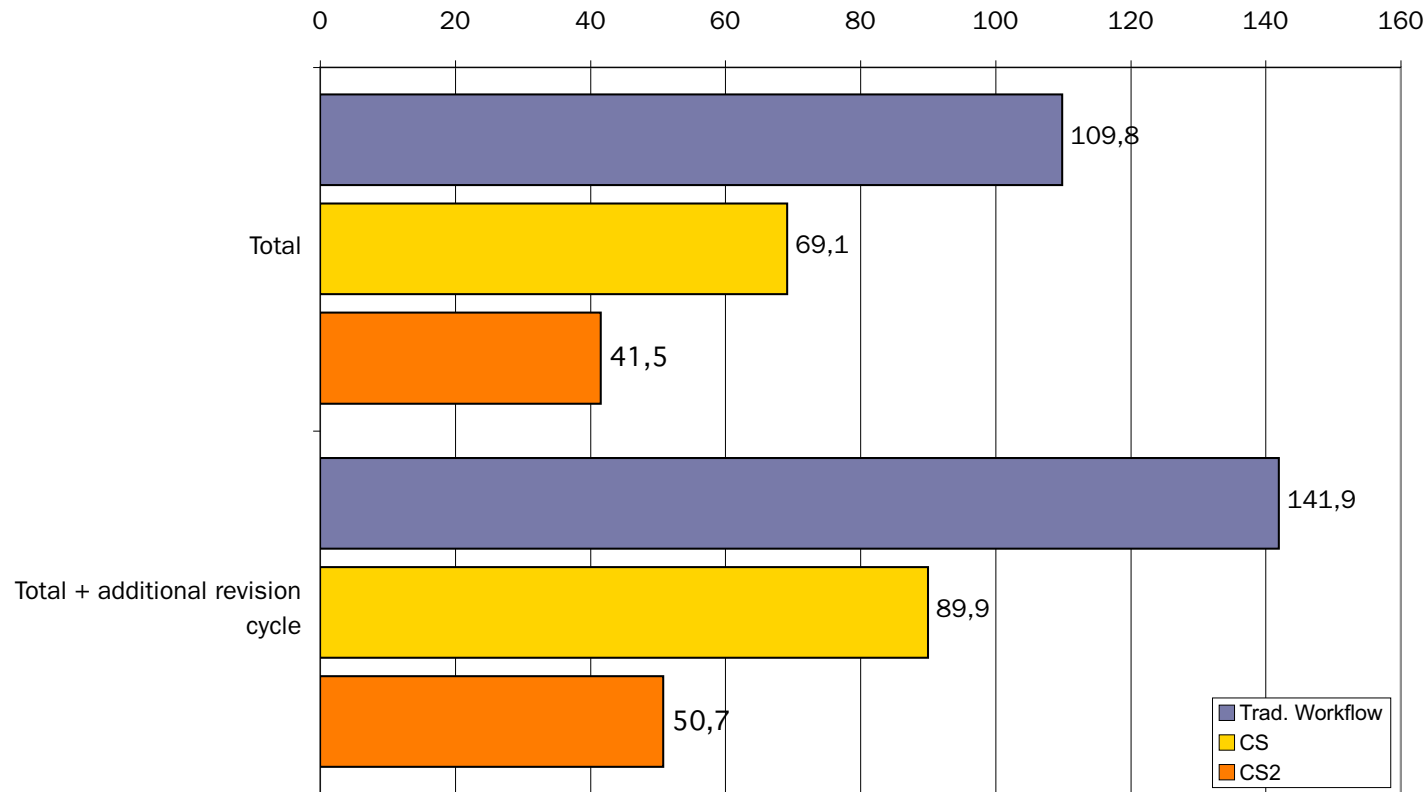
**Application Integration Photoshop CS2 - GoLive CS2**



Time in seconds. Shorter is better

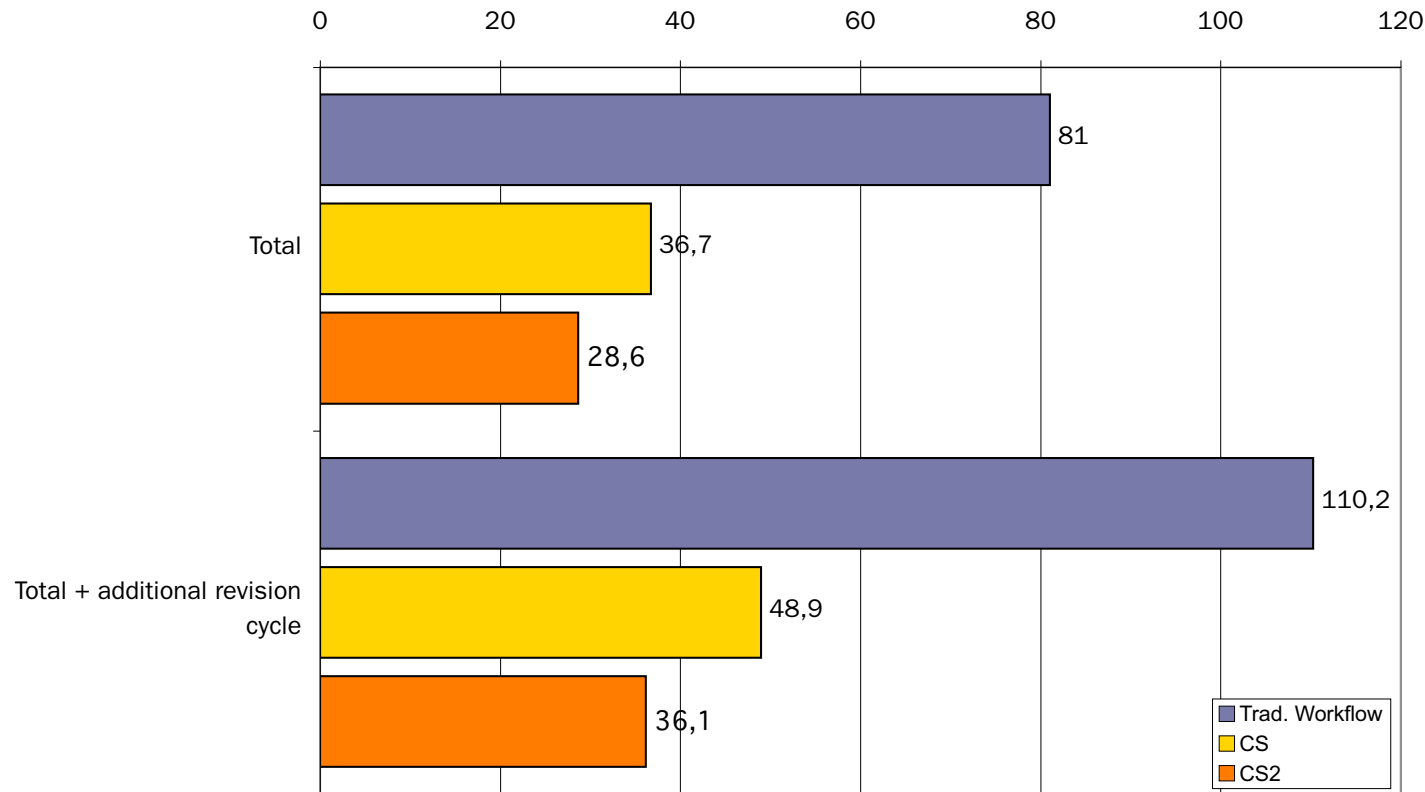
**Section: Results and Charts**

**Application Integration Illustrator CS2 - Photoshop CS2**



Time in seconds. Shorter is better

**Application Integration InDesign CS2 - Photoshop CS2**



Time in seconds. Shorter is better

**Section: Results and Charts**

## Administration Benchmarks

### Installation : Individual vs CS2

	Indiv. Applications	Entire Suite
Install Photoshop	270	
Install Indesign	280	
Install GoLive	270	
Install Acrobat	270	
Install Illustrator	300	
<b>Total Time for Installation</b>	<b>1390</b>	<b>605</b>

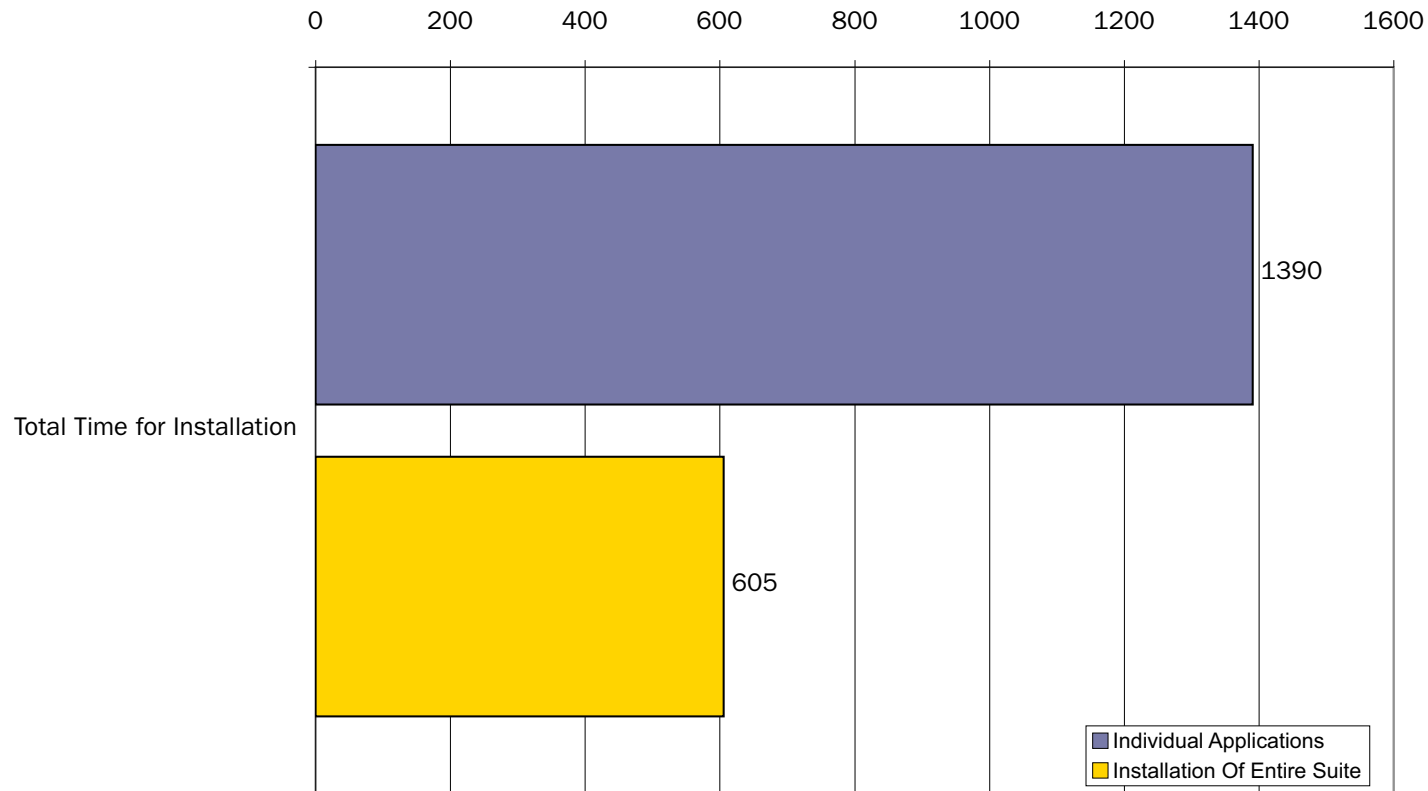
### Synchronize Color Settings

	CS	CS2
Synchronize Settings	94,9	14,2

» in seconds. Shorter is better

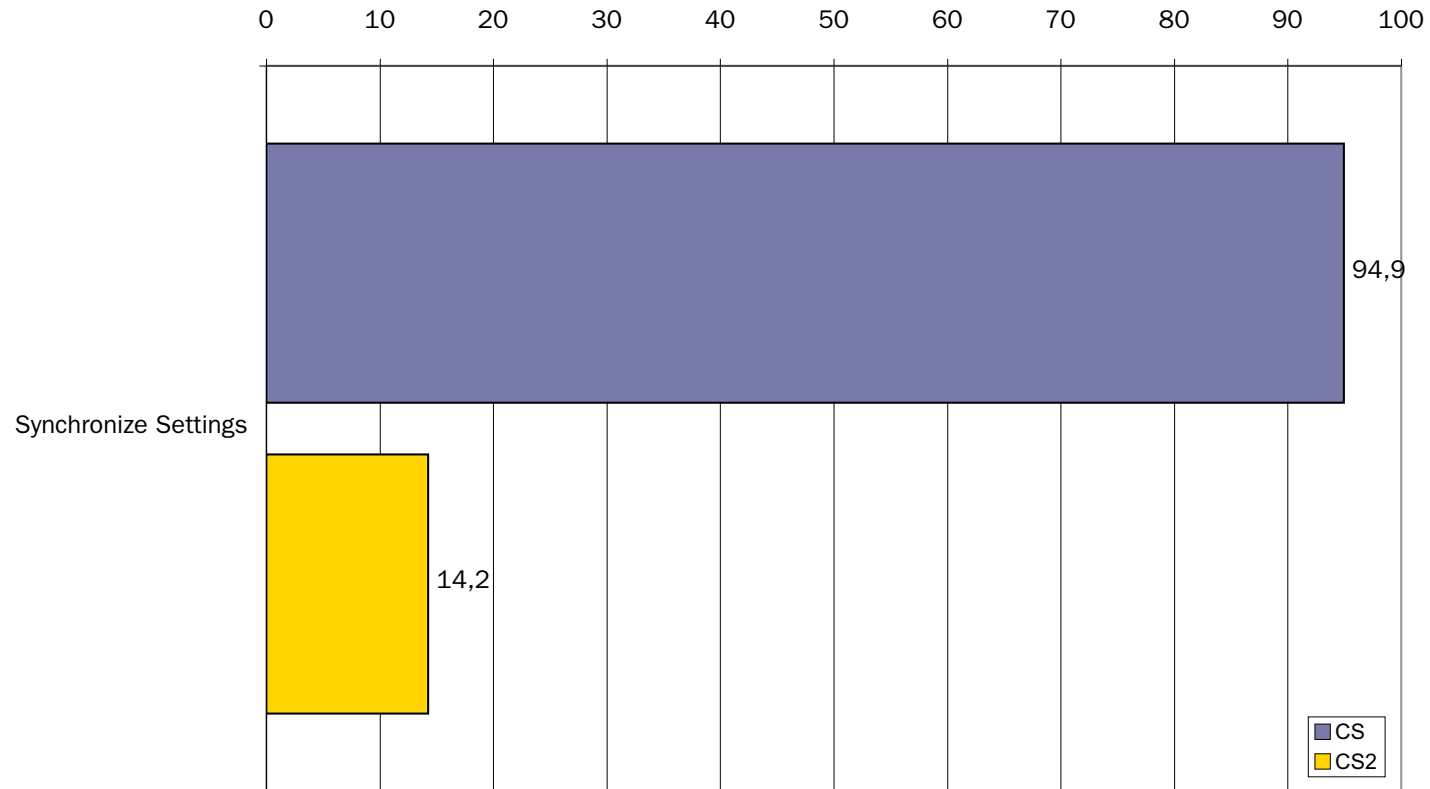
### Section: Results and Charts

**Installation of Creative Suite**



Time in seconds. Shorter is better

**Synchronize Color Settings**



Time in seconds. Shorter is better

## Versioning and Workflow Benchmarks

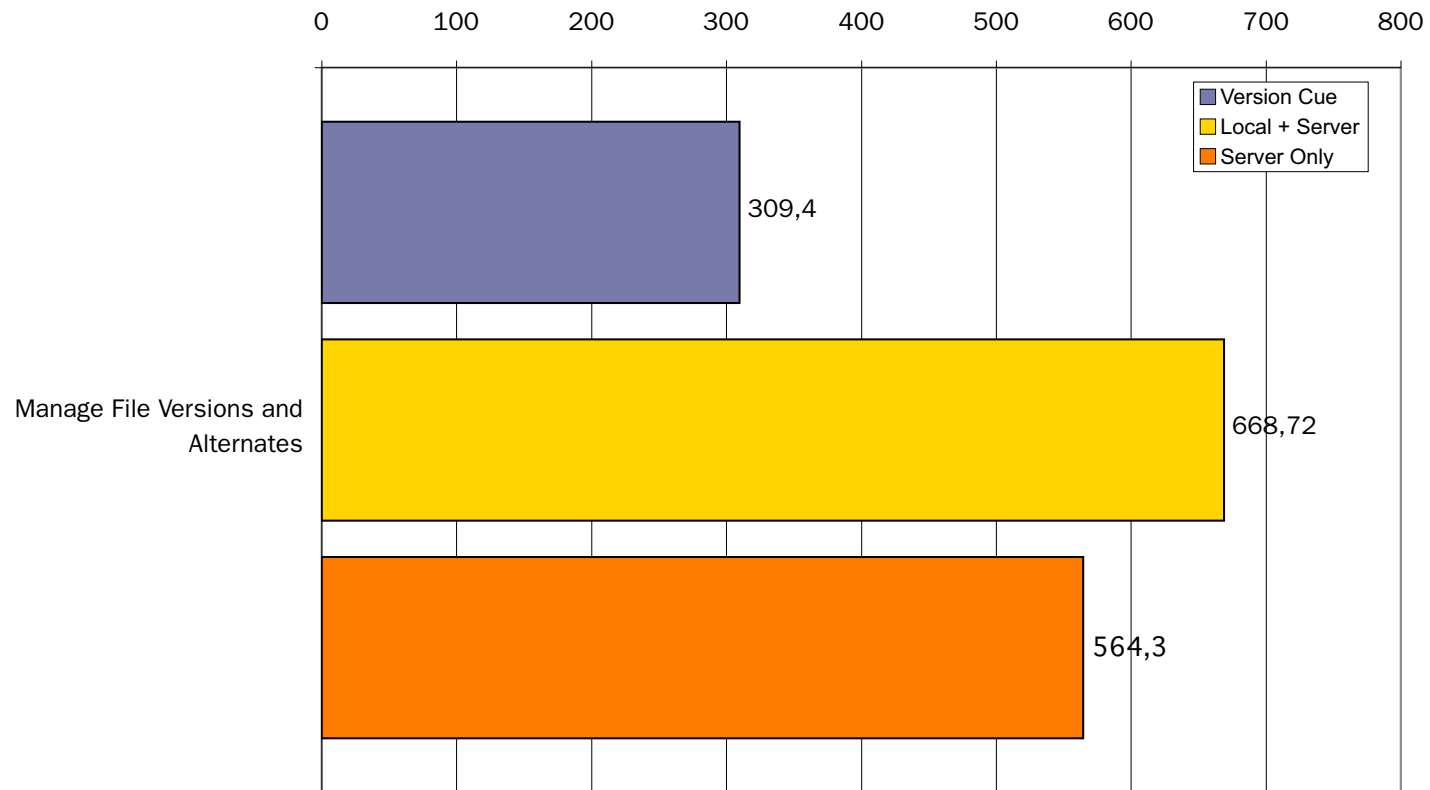
### Version Cue CS2 Benchmark

	Version Cue	Local + Server	Server Only
Phase 1	24,9	66,52	60,6
Phase 2	68,7	101	94,8
Phase 3	62,8	97,8	124,3
Phase 4	29,9	103,69	72
Phase 5	55,3	164,41	116,2
Phase 6	67,8	135,3	96,4
<b>Manage File Versions and Alternates</b>	<b>309,4</b>	<b>668,72</b>	<b>564,3</b>

Time in seconds. Shorter is better

**Section: Results and Charts**

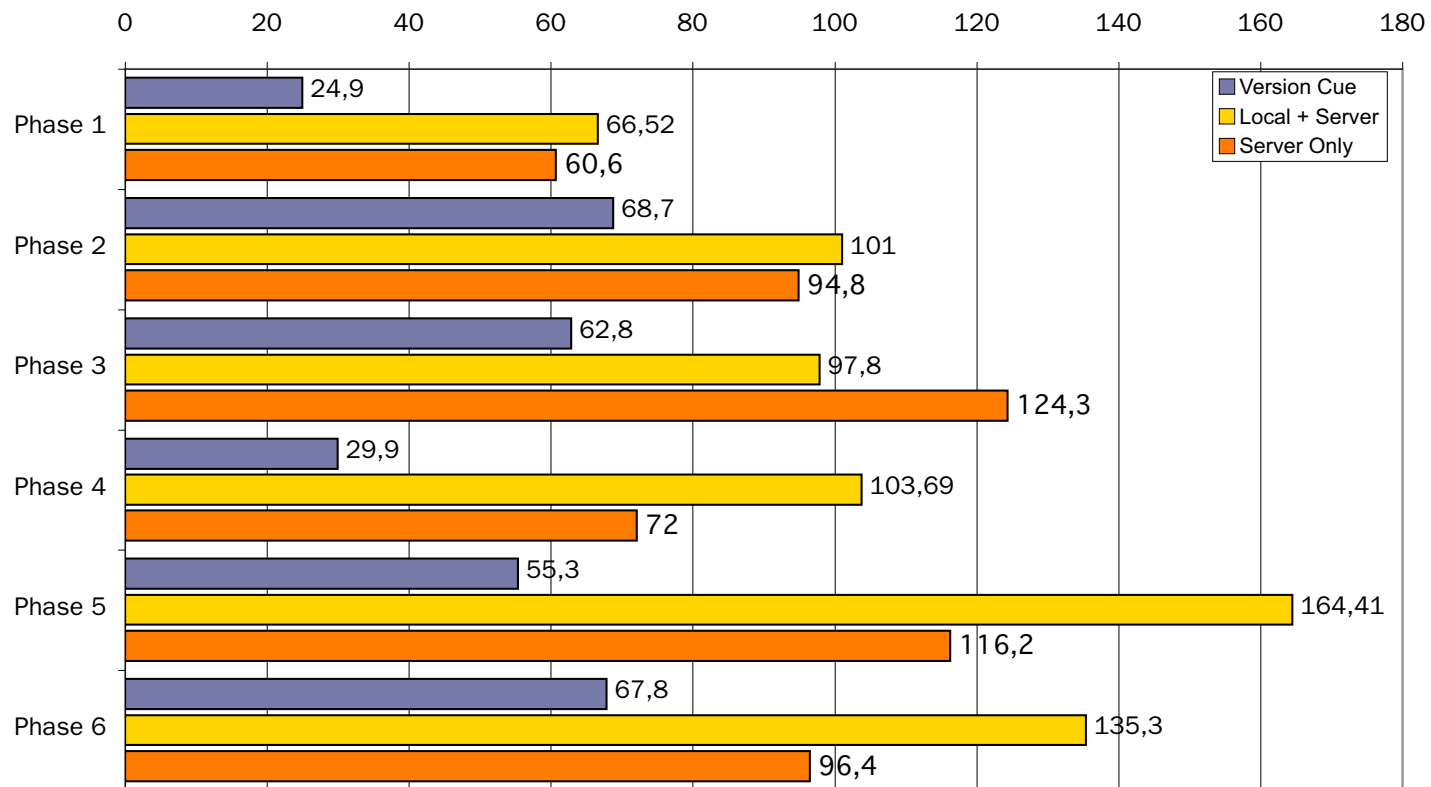
**Version Cue CS2 Benchmark — Total Time**



Time in seconds. Shorter is better

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**Version Cue CS2 Benchmark — Detail**



Time in seconds. Shorter is better

**Section: Results and Charts**

## Bridge Benchmarks

### Sort 30 High-Resolution Images with Bridge

	Trad Workflow	Bridge
Open 30 images	87.7	56
Check + Close (note rating)	111	
Pick selected files, move to folder	62	11
	Trad Workflow	Bridge
Sort 30 High-Res. Images - Total	260.7	67

### Bridge Benchmark: Locating and Placing Files

	Trad Workflow	Bridge
Open 10 illustrator F files vs Preview in Bridge	47.5	7.5
Drag Into Document vs Standard Open	16.4	6.5

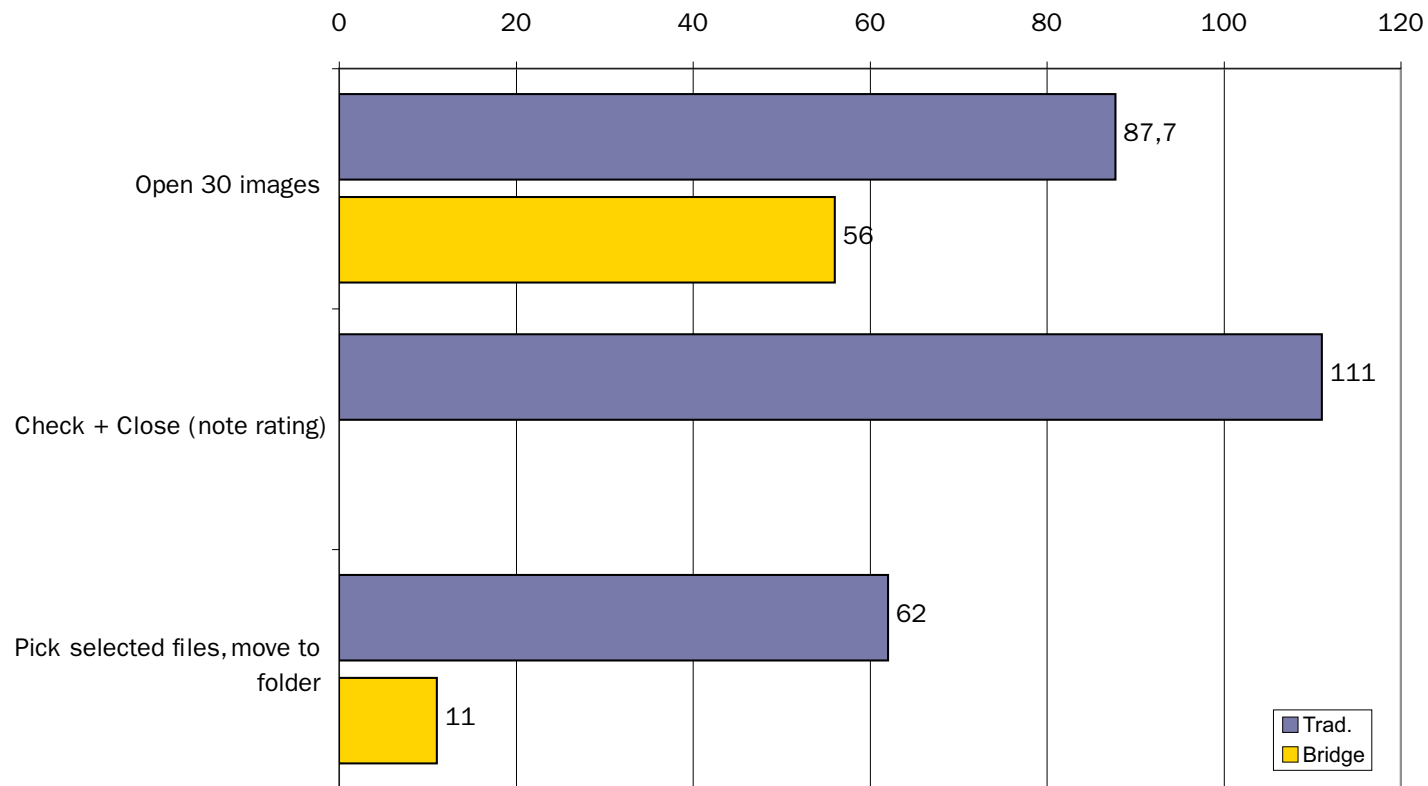
### Convert RAW Files Through Camera Raw

	Photoshop CS	Bridge
Open 5 Files	68.9	38.2
Open + Save 5 Files	99.8	48.4

Time in seconds. Shorter is better

#### Section: Results and Charts

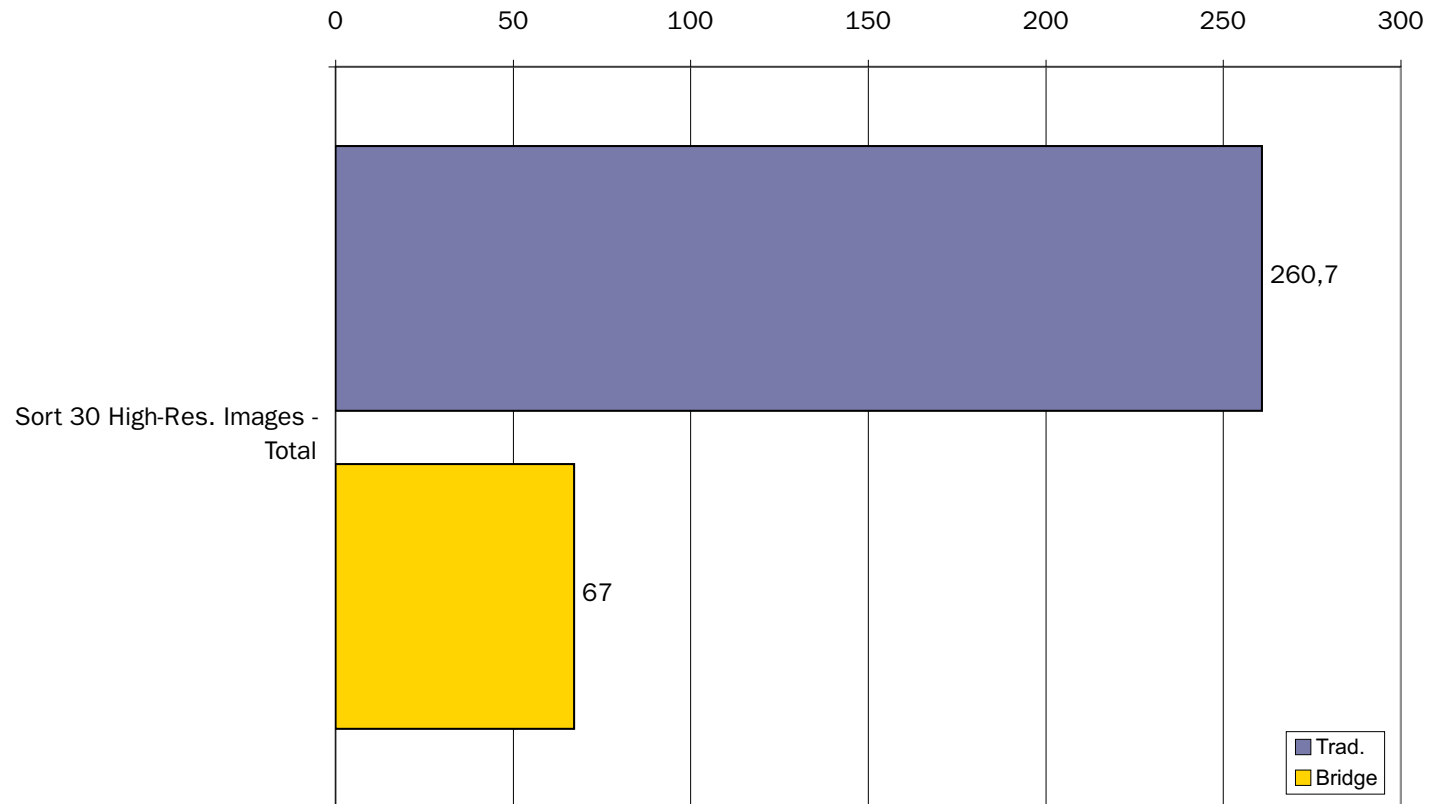
**Sort 30 High-Resolution Images with Bridge (Detail)**



Time in seconds. Shorter is better

**Section: Results and Charts**

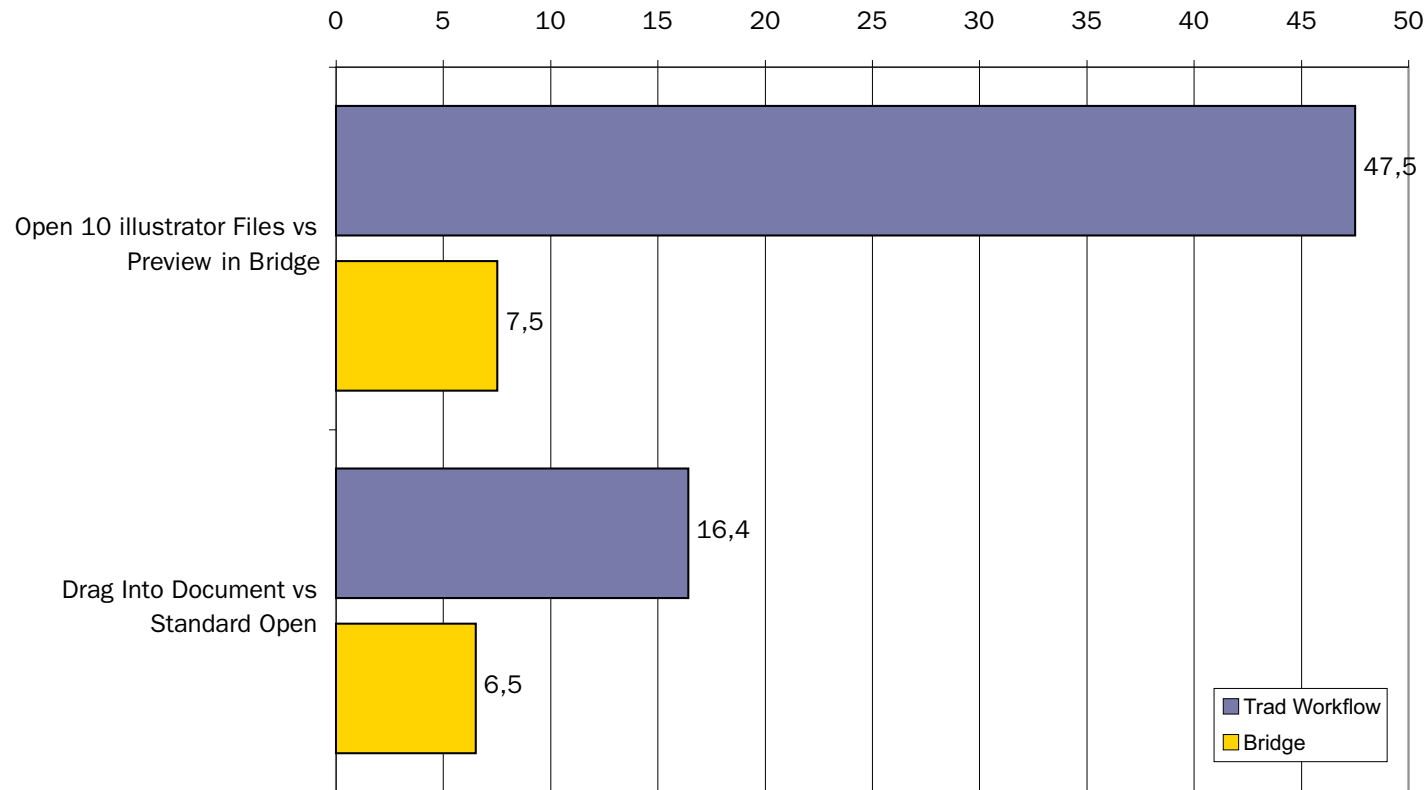
**Sort 30 High-Resolution Images with Bridge (Total)**



Time in seconds. Shorter is better

**Section: Results and Charts**

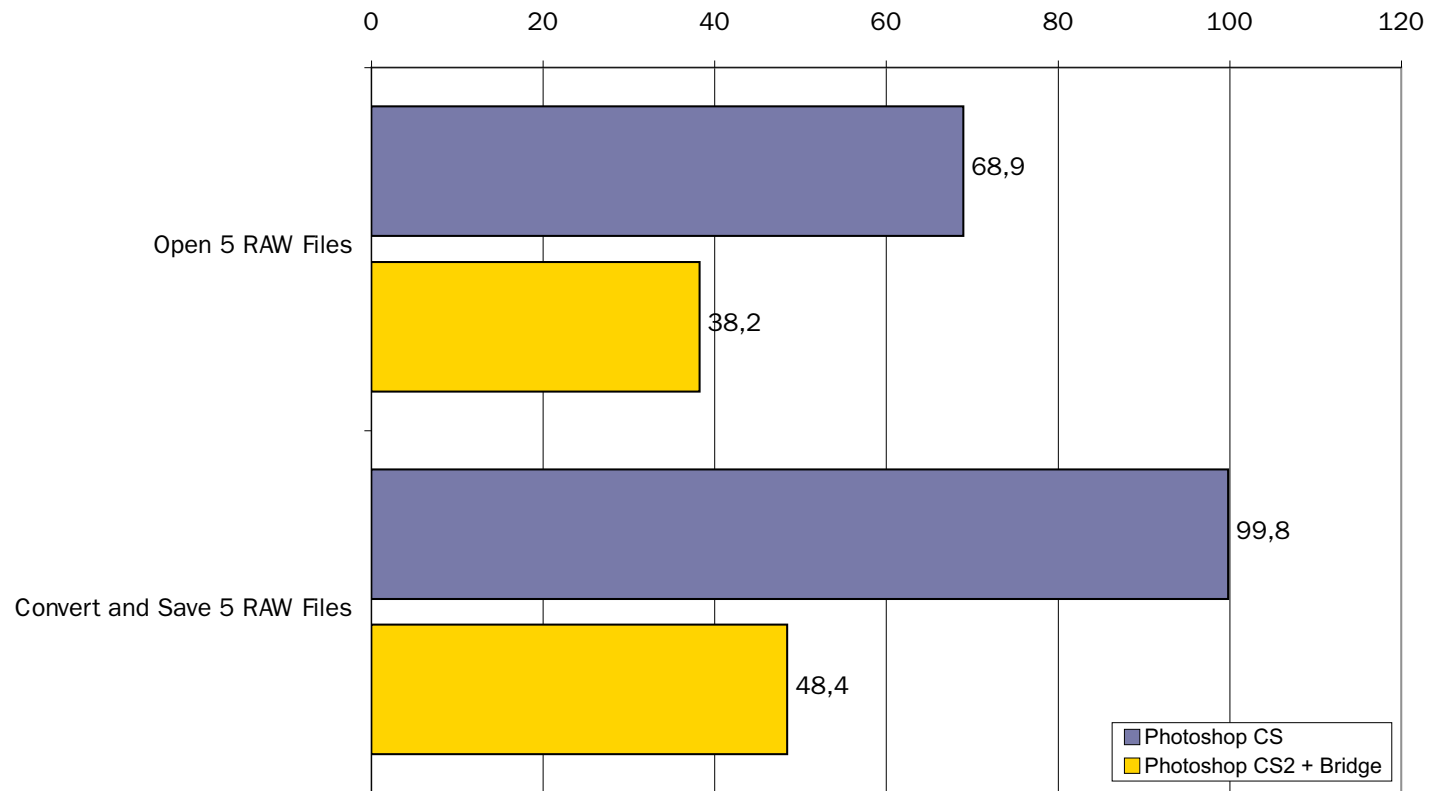
**Bridge Benchmark: Locating and Placing Files**



Time in seconds. Shorter is better

**Section: Results and Charts**

**Convert RAW Files Through Camera Raw**



Time in seconds. Shorter is better

**Section: Results and Charts**