

# Adobe® PostScript® 3™



## The industry-standard printing and imaging technology

Adobe PostScript 3 is the worldwide printing and imaging standard. Used by print service providers, publishers, corporations, and government agencies around the globe, Adobe PostScript 3 gives you the power to print visually rich documents reliably. Adobe PostScript 3 printing technology is licensed to original equipment manufacturers (OEMs) for building high-performance printing systems and workflow solutions. As a scalable architecture, it can be easily integrated into a wide range of devices and technologies while maintaining the high quality and performance you expect from Adobe.

### **Quality and reliability**

Adobe PostScript translates ideas into print—exactly as intended. It provides assurance that the most complex documents will print correctly, and enables superior workflow efficiency and reliability. Today, PostScript drives virtually every leading printer manufacturer's products, from office

printers and proofers to production and commercial printing systems. Adobe PostScript is proven technology from the leader in graphics software and systems and has been at the core of more than 20 million devices since 1985.

### **Driving workflow standards**

Adobe PostScript 3 supports the latest and the widest variety of print publishing standards, including Job Definition Format (JDF). Adobe PostScript 3 systems can be fully enabled for JDF control, opening up potentially significant productivity and efficiency gains.

### **Performance and productivity**

PostScript 3 improves the performance and productivity of print workflows with faster throughput and support for the latest printing technologies. Advanced design, superior performance, leading technologies, and an unrivaled reputation for innovation and quality make Adobe PostScript 3 the intelligent choice for all your printing needs.

## Industry quotes

PostScript 3 version 3016 supports a flotilla of cutting-edge prepress technologies, including Job Definition Format (JDF) for print workflow automation, PDF/X for advertising production, and of course PDF 1.5.

— *PDFzone.com, 2003*

Adobe's visionary approach to digital document production began with the introduction of PostScript in 1982 and continued with the release of the Adobe Acrobat® Portable Document Format (PDF) in 1993. Now Adobe builds on this rich tradition with an enhanced version of PostScript 3, whose expanded support for the Job Definition Format (JDF) standard will have a lasting impact on the automation of digital document workflows.

— *CAPV, 2003*

This new version of PostScript will further advance the adoption of JDF across the industry and help vendors continue to create and support automated digital workflows. In addition, the multiprocessor support will be welcomed in parts of the industry where RIP speeds are still a limitation, such as very high-speed digital printing.

— *Seybold Bulletin, 2003*

### Adobe In-RIP Trapping

Adobe In-RIP Trapping is an optional capability of the Adobe PostScript 3 interpreter that executes trapping commands at the RIP, automating complex and time-consuming prepress tasks. The integrated design accepts JDF, PJTF, and PostScript trapping instructions, and offers the ability to trap vector objects and raster images in a single document. In-RIP Trapping in Adobe PostScript 3 provides a number of keys to drive trapping parameters for a variety of documents, packaging designs, and high-end graphics, making it particularly valuable for commercial printing and packaging markets.

## Key features

### Graphics capabilities and output

With Adobe PostScript, text, graphics, images, and line art all print consistently and look superb. Adobe's device-independent color support ensures accurate output. Advanced features such as smooth shades, masked images, and flexible color controls plus a variety of integrated technologies such as screening, in-RIP separations, and in-RIP trapping ensure that Adobe PostScript 3 systems deliver superior results.



**Reliable printing of visually rich documents**  
Adobe PostScript 3 features smooth shading, flexible color controls, and intelligent handling of transparent objects. The result is consistent, high-quality output of the most complex documents, for the most demanding clients.

### PDF workflow support

Adobe fully integrates support for Portable Document Format (PDF)—a standard adopted by governments and enterprises worldwide. Adobe PDF is a format for electronic document exchange that preserves document integrity so files can be viewed and printed on a variety of platforms. Adobe PDF accelerates prepress processes and shortens printing cycles while reducing production cost.

As the technology of choice for high-quality output of PDF files, Adobe PostScript 3 enables reliable printing of the latest version of Adobe PDF, version 1.5, which provides support for new elements such as JPEG 2000 images and optional content, as well as previous versions 1.4, 1.3, 1.2, and PDF/X. Adobe PostScript 3 also provides support for transparent artwork through intelligent handling of transparent objects.

### JDF workflow support

JDF is the most powerful approach to print workflow automation. Based on XML (eXtensible Markup Language), it breaks down the barriers to automation and supports true end-to-end capabilities. Adobe coined JDF in 1999 and continues to actively support industry-wide consortiums to further this exciting workflow technology.

Adobe PostScript 3 provides extensible support of JDF for progressive print workflow automation. Support for key JDF processes such as DigitalPrinting, ImageSetting, Imposition, Separation, and Trapping enables Adobe PostScript 3 products to integrate state-of-the-art print workflows—increasing productivity while significantly reducing costs and wasted time.

**JDF workflow support**  
Adobe PostScript 3 enables greater workflow automation through integrated support for key JDF processes.

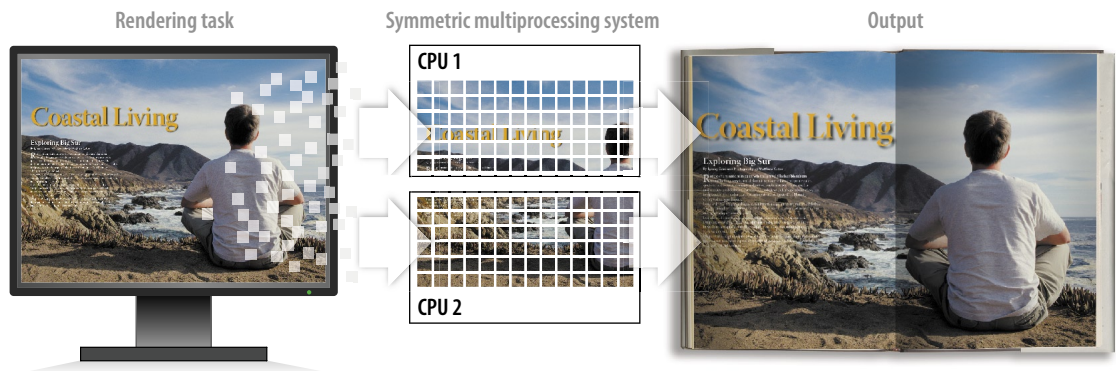


### Multi-threaded rendering

Demanding production cycles, shorter production runs, and increasingly complex files can put a real strain on a RIP (raster image processor). On high-resolution devices and digital presses, rendering is often the most time-consuming part of RIPping a job. Adobe PostScript 3 provides significant performance gains on symmetric multi-CPU systems by enabling multiple objects to be rendered simultaneously. This innovative technology, available only with Adobe PostScript 3, helps utilize state-of-the-art hardware for maximum workflow performance.

### More efficient use of processing power

The most critical, time-intensive phase of RIPping a job is rendering, where imaging occurs. Adobe PostScript 3 can make use of modern, multi-CPU systems to render multiple objects simultaneously.



### Comprehensive quality assurance and support

Adobe quality and reliability are legendary. The most demanding creative professionals around the world use Adobe products, and they expect the uncompromising quality provided by Adobe PostScript technology. Years of research, development, and testing go into every PostScript product, and Adobe ensures its strict standards of compliance are met by using a rigorous qualification process. Only Adobe PostScript OEMs have access to Adobe's testing and qualification tools, and are backed up by a world-class development and support team. When you invest in a PostScript product, you are buying a part of Adobe's solid reputation and commitment to quality.

### Expansive choice

Adobe PostScript supports a wide range of operating systems for maximum flexibility and compatibility with existing infrastructure. Regardless of your needs, chances are there is a PostScript 3 product that will meet it. Top performance, unrivaled quality, and world-class partners ensure that satisfying your printing demands is as easy as specifying PostScript 3 in your next system.

#### A COMPLETE ADOBE WORKFLOW

Adobe is a leader in Network Publishing—making reliable, visually rich information available to anyone, anywhere, on any device. Today, Adobe offers a comprehensive line of software for enterprise and creative professional customers. The power of Adobe applications combined with Adobe PostScript 3 provides reliable end-to-end print publishing workflows.

#### FOR MORE INFORMATION

To learn more about Adobe PostScript 3, visit [www.adobe.com/products/postscript](http://www.adobe.com/products/postscript).

## Adobe PostScript 3 partners

As an industry leader in printing technologies, Adobe has built an unsurpassed network of certified OEM partners. Adobe PostScript offers true scalability and is the basis for hundreds of output devices—from desktop printers to the most advanced digital presses in the world. Several Adobe PostScript 3 solutions are available from these OEM partners.

Agfa	IPTech
Creo	Kodak Polychrome Graphics
Dainippon Screen	NexPress Solutions
DuPont Color Proofing	Océ
EFI	Peerless
Epson	Ricoh
Esko-Graphics	RIPit
Fuji Photo Film Co.	SOFHA
Fuji Xerox	XANTÉ
Heidelberg	Xeikon
Hewlett-Packard	Xerox
IBM Printing Systems	

For more detail about Adobe PostScript 3 partners, visit [www.adobe.com/products/postscript/partners](http://www.adobe.com/products/postscript/partners).

## About Adobe Systems

Adobe helps people and businesses communicate better through its world-leading digital imaging, design, and document technology platforms for consumers, creative professionals, and enterprises. Founded in 1982, Adobe today is one of the world's largest software companies, generating annual revenues exceeding US\$1 billion.



Adobe PostScript 3™



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95002579 12/03



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