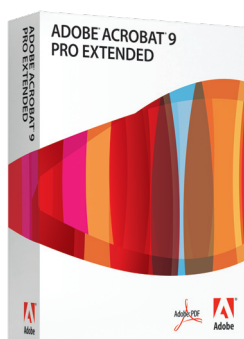


ADOBE® ACROBAT® 9 PRO EXTENDED FOR TECHNICAL MANUFACTURING PROFESSIONALS



"Before we used Acrobat, we had a lot of information that could not be distributed outside our engineering department. Now, Acrobat enables us to reliably deliver 2D and 3D CAD models and other project information to teams anywhere in seconds."

John Clauson,
CAD and Drafting Manager,
The INDAK Group

Adobe Acrobat 9 Pro Extended software can help you improve collaboration and communication throughout your global organization. Create a single PDF portfolio that contains 2D and 3D CAD designs, layers, dimensions, and other project documents that anyone can access using the free Adobe Reader® software. Using organized and secure PDF packages can help you increase productivity, reduce errors, and accelerate innovation.

Share product information quickly and easily

Convert virtually any CAD file and a wide variety of other file types into PDF files. The widely used PDF format helps drive collaborative product development across extended teams by enabling you to share critical product data quickly, securely, and cost-effectively.

You can also use the new Adobe 3D Reviewer application included with Acrobat 9 Pro Extended to perform design reviews and analysis.

Communicate and collaborate more effectively with everyone

Use PDF files to share product data with anyone who has Adobe Reader 9 or later software. Any authorized user can view and interact with product data and other documents, simplifying the use of CAD information outside the design and engineering departments. Your team can mark up 3D designs, save 3D views, and add comments directly to 3D models. They can also interact

with your designs in three dimensions: rotating, zooming, measuring, and cross-sectioning for greater understanding and streamlined productivity.

Protect and help control sensitive information

Retain control of your native CAD files and protect sensitive information by sharing your designs and engineering data as PDF files. Protect your proprietary information by applying passwords to restrict access to documents. Assign permissions to help control who can view, print, copy, and modify your files.

Maximize the value of product data assets

Import virtually any CAD file into PDF and optionally export it to neutral formats such as STEP, IGES, or STL for use in downstream manufacturing processes, including tool design, CNC machining, and prototyping or analysis. Technical writers and other creative professionals can repurpose design data to create rich, interactive marketing collateral work instructions, or technical manuals without the need for CAD software.

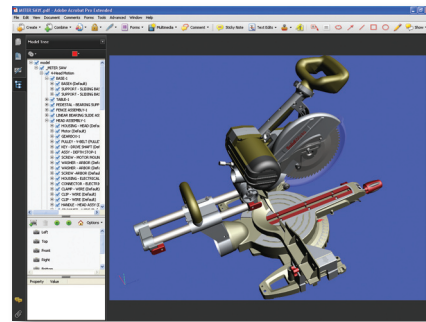
Features and Benefits



NEW

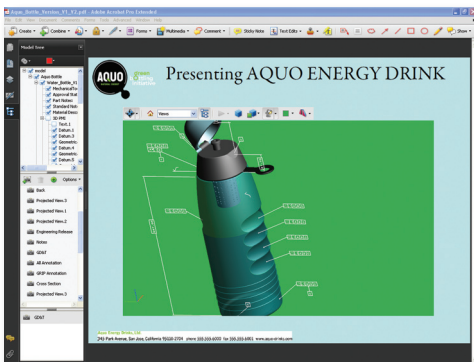
Unify the widest range of content

Easily organize and deliver engineering content from a variety of sources, including 3D designs, 2D drawings, spreadsheets, and more into a single, searchable PDF portfolio that can be compressed for easy distribution.



Easily create PDF documents from OpenGL applications

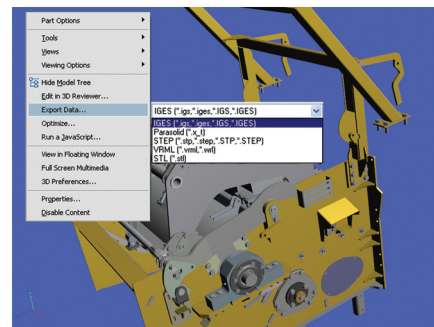
Instantly capture your CAD designs in Adobe PDF with one-button ease from OpenGL-based applications on Microsoft® Windows® and UNIX® systems.



NEW

Convert virtually any CAD file into a PDF document using templates

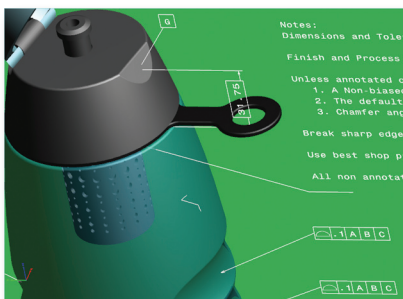
Easily convert 3D designs from CAD applications such as CATIA V4 and V5, Siemens NX, I-deas, SolidWorks, Pro/ENGINEER, Autodesk Inventor, and many others into 3D PDF files using templates to communicate more clearly and effectively.



ENHANCED

Export CAD data to neutral file formats for downstream manufacturing processes

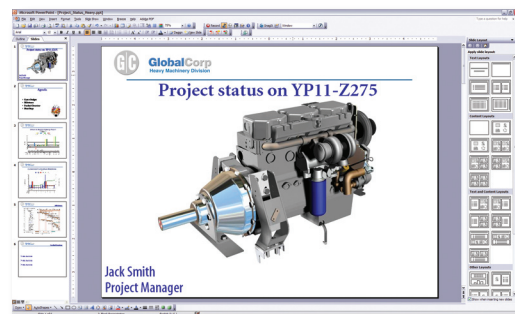
Save money by eliminating the need to buy expensive CAD translators. Acrobat Pro Extended lets you convert virtually any CAD format to a neutral file format such as STEP, IGES, or STL for use with CAD, CAM, and CAE applications.



ENHANCED

Share Product Manufacturing Information

Easily distribute 3D designs containing PMI¹ to your extended team. Access information within the 3D PDF file, directly on the geometry and from the assembly tree, and reduce the need to create or share 2D drawings.



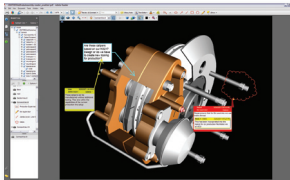
ENHANCED

Insert 3D CAD designs and video into Microsoft Office documents

Easily insert 3D CAD designs and video files into existing and new Microsoft Office documents, including Word and PowerPoint files, and convert them to PDF files for easy distribution.

¹ Product Manufacturing Information (PMI) is used to convey information such as geometric dimensioning and tolerancing, annotations, and other specifications directly on the 3D model.

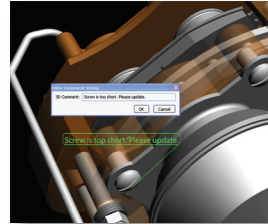
Extend 3D collaboration features to Adobe Reader



ENHANCED

Enable 3D interrogation and collaboration tools in Adobe Reader software

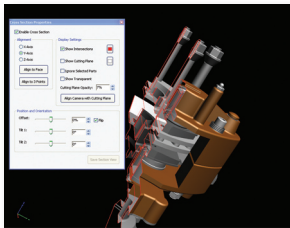
The collaboration tools in Adobe Reader 9 and later software let users create mark ups, add callouts, and rotate, zoom, measure, and interact with 3D assemblies and individual parts without using CAD applications or viewers.



NEW

Create 3D comments to emphasize your ideas

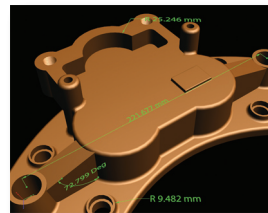
Use the new 3D comment tool to communicate your ideas more clearly by attaching comments to a specific part of the 3D model geometry. As the model is manipulated, the 3D comment will maintain its perspective in relation to the model.



ENHANCED

Create 3D cross sections

Generate dynamic cross-section views of 3D designs with the free Adobe Reader software. Call attention to parts or subassemblies so everyone fully understands the design details.



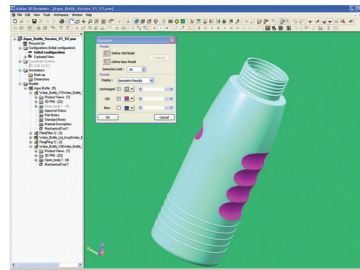
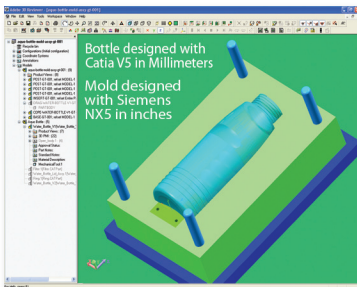
ENHANCED

Perform 3D measurement

Use intuitive measurement tools to measure point-to-point distances, radial dimensions, and angles on 3D models with the free Adobe Reader software. Support for design markups helps your team communicate efficiently during design reviews.

Powerful 3D manipulation with Adobe 3D Reviewer

Use the new Adobe 3D Reviewer application (included with Acrobat 9 Pro Extended) to merge heterogeneous CAD formats into one assembly; measure and section on precise geometry; compare a revised design to an earlier version; and create exploded views, animations, and balloons. Export your work to a variety of neutral formats and 2D vector/raster files, or save as a PDF file.



NEW

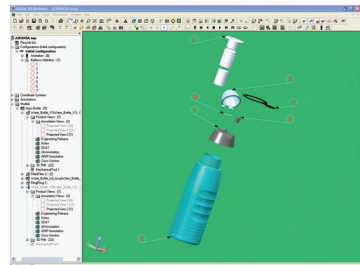
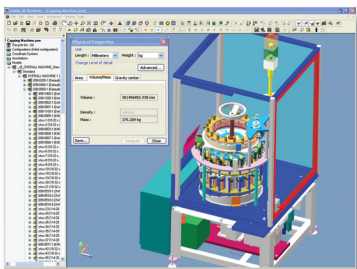
Merge heterogeneous CAD data into one assembly

Import large CAD assemblies created in different CAD formats into a single, lightweight assembly that can enable users to visualize, analyze, and interact with large amounts of product data in real time. Quickly evaluate relationships between parts from different designers to improve productivity and help reduce manufacturing costs.

NEW

Compare a revised design to an earlier version

Compare differences between successive iterations of your CAD designs with easy-to-use tools instead of a CAD application. Different color codes display the differences between unchanged, new, and old geometry, so you can quickly and easily identify what has changed.



NEW

Perform physical properties calculations

Calculate bounding box, volume, center of gravity, mass, and surface area to help explore more options. Save time and gain confidence in proposals, design reviews, and material usage.

NEW

Repurpose CAD design data to enrich technical documentation

Quickly clean up CAD designs. Create balloons and bills of materials, and add and modify lighting, materials, or colors. Create exploded views and animations, and save as PDF files or 2D raster/vector images. Create rich, interactive technical manuals and easily distribute them to team members for viewing using Adobe Reader software.

System requirements

Windows®

- 1.3GHz or faster processor
- Microsoft Windows XP Home, Professional, or Tablet PC Edition with Service Pack 2 or 3 (32-bit and 64-bit); Windows Server® 2003 (with Service Pack 2 for 64-bit); or Windows Vista® Home Basic, Home Premium, Business, Ultimate, or Enterprise with or without Service Pack 1 (32-bit and 64-bit)
- Internet Explorer® 6.0
- 512MB RAM
- 2.35GB available hard-disk space
- 1,024x768 screen resolution
- DVD-ROM drive
- Video hardware acceleration (optional)

Acrobat 9 Pro Extended includes:

- Adobe® LiveCycle® Designer ES
- Adobe Presenter
- Adobe 3D Reviewer
- Adobe 3D Capture Utility for Unix

Supported formats

Acrobat 9 Pro Extended create PDF files from a wide range of CAD file formats.

For a comprehensive list of specific versions or formats supported, visit: www.adobe.com/go/apex_supportedformats.

Reduce risk and cost by using an open, industry-standard format

The Adobe Portable Document Format (PDF) is a highly reliable, open standard that enables more secure visualization, collaboration, CAD data exchange, and data publishing across the entire product lifecycle. Adobe PDF files can contain precise geometry from large, complex CAD assemblies in a universal format. When you need to share product structures and metadata, or you want to distribute PMI directly on a 3D model, you can use PDF files for fast, efficient collaboration.

One format enables multiple workflows

Manufacturers worldwide already use PDF files extensively throughout all phases of the product lifecycle to help bring higher quality products to market faster at a reduced cost. From the earliest stages of conceptual design through the sourcing processes to final manufacturing and other downstream applications like technical documentation, maintenance, training, sales, and marketing, PDF files make it easy to communicate and collaborate with confidence.

Because PDF documents can contain virtually any kind of content, you can dramatically reduce the number of file formats needed to support your business processes.

Leverage the electronic forms features in PDF to capture information and drive automated business processes. With forms, PDF documents can serve as the backbone of any product development process, including release and configuration management.

Enable anyone to access any kind of product data

Use PDF files to share product data with anyone with the free Adobe Reader software. Authorize anyone to view and interact with product data and other documents, reducing the need for CAD applications or CAD viewers.

Your organization can use PDF documents to share virtually any product information more securely, across any IT environment. A PDF file will look exactly like the original document, preserving the text, layout, forms, 2D drawings, 3D CAD data, and even business logic, regardless of the application used to create it or the environment in which it's viewed.

Cross-platform support

Adobe PDF software has wide cross-platform support, which means your partners, customers, and suppliers can view, print, and interact with Adobe PDF documents on virtually any platform, including Macintosh OS X, Microsoft Windows, UNIX, LINUX,® and many mobile systems.

For more information

See examples on how to more securely share product information in a PDF file by visiting: www.adobe.com/go/apex_pdfsamples.

To learn more about Adobe Acrobat Pro Extended for technical manufacturing professionals, visit: www.adobe.com/go/acrobat_mfg.



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