

Autodesk®
Design Review
2009

Manufacturing

Features and Benefits

Facilitate Digital Prototyping workflows with Autodesk® Design Review software, the all-digital way to review, measure, mark up, and track changes to designs—all without the original creation software.

AUTODESK DESIGN REVIEW FEATURES AND BENEFITS

Autodesk Design Review software powers effective collaboration between team members who use computer-aided design (CAD) and those who don't, enabling sharing and reviewing of digital prototypes. Accurately measure, redline, and mark up models and drawings. Communicate changes in the context of the design. Add comments, track status, and drag information of any type—product specifications, change orders, or estimates—combining them into a single file. Then round-trip the DWF™ file to any Autodesk® design application, overlaying digital markups onto the original CAD file for fast revisions. Add DWF support for assembly instructions and bill of materials (BOM) viewing in the Autodesk® Inventor™, AutoCAD® Mechanical, and AutoCAD® Electrical software applications. Add a wide array of publishing options, and there's simply no better way to work.

See how Autodesk Design Review is the perfect solution for manufacturing.

Get Reviews Done Quicker

Connect with customers, suppliers, planners, and purchasing sooner, and shorten the product development lifecycle with earlier, faster, more accurate design reviews.

Track Markups and Annotations

Autodesk Design Review software automatically tracks comments and their status, helping to ensure that no information is lost.

Accurately Communicate Digital Prototypes to Key Stakeholders

Autodesk Design Review software enables those unfamiliar with complex CAD software to fully visualize digital prototypes created in Autodesk Inventor and AutoCAD® software-based applications, allowing them to experience the design before it's real. Detailed manufacturing design data such as BOM information, assembly animations, finite element analysis (FEA) results, model representations, along with complete 2D and 3D measurements, can all be accessed within Autodesk Design Review.

Protect Your Intellectual Property

Protect your IP by sharing DWF files, providing accuracy and fidelity without sending the original CAD file. Password protection, encryption, and digital rights management capabilities—restricting measurement, markup, and printing—offer additional security.

Key Features and Benefits

Publish

The ability to publish DWF files is built into every Autodesk design application. It is also available free* of charge when using third-party applications with the Autodesk® DWF™ Writer application (www.autodesk.com/dwfwriter-download).

NEW DWFx Native Support

Publish automatically to DWFx format from any design application based on AutoCAD or Autodesk Inventor. With Autodesk Design Review software, extended team members using the Microsoft® Windows Vista® operating system can begin collaborating on drawings without installing any additional software. DWFx files are XPS compliant and can be opened, viewed, printed, and searched for in the Microsoft XPS Viewer, which is included on all Vista machines.

View and Navigate

Autodesk Design Review software offers a fast, efficient way to view and navigate complete drawing and 3D models, including detailed model structures and properties. Quickly navigate between sheets and views using embedded hyperlinks and bookmarks.

NEW Integrated Search

Autodesk Design Review software enables you to search models and drawings for text, drawing, and Inventor object properties and other metadata from within the DWF file.

NEW Autodesk Freewheel (Software as a Service) Support

Download the plug-in to publish DWF files automatically to the Autodesk® Freewheel™ web service. Freewheel enables your clients, consultants, contractors, and suppliers to easily and securely view, share, and print 2D and 3D building designs in a common web browser, on Mac® or PC, without installing any software applications.

NEW Customizable User Interface

Enhance team productivity with the improved Autodesk Design Review software user interface, which can be customized to suit each user's needs.

ENHANCED Navigation Tools

Easy-to-use navigation tools, including pull-apart, sectioning, and animation, give you access to rich design data. Examine 3D objects and models using the navigation wheel and ViewCube™ features.

ENHANCED Rotation Capabilities

You can now rotate any type of sheet or raster file before adding markups.

Design Document Comparison

Compare multiple versions of drawings in "light table" fashion, with versions laid on top of one another. Autodesk Design Review software automatically highlights additions and deletions. You can even customize your highlight colors.

AUTODESK DESIGN REVIEW FEATURES AND BENEFITS

Online Content Search

Drive productivity and process improvements through one-click access to online parts catalogs directly from Autodesk Design Review software.

Full Design Intelligence

Access data integral to engineering and architectural design review, including drawing scale, sheet set details, and object and markup properties.

Embed Data in Microsoft Office Applications

Drag your designs into Microsoft PowerPoint® presentation graphics program or Word so that team members can see the design in presentations, construction documentation, change orders, and estimates.

Print

Rich printing options enable you to generate output that has the same print fidelity as the CAD application.

***ENHANCED* Batch Printing**

Autodesk Design Review software now enables you to print multiple DWF files, customize print settings, and save your batch printing configuration for later use with the Batch Print wizard. Save time by easily printing large numbers of DWF files overnight or as part of an automated process.

Preview, Select Preferences, and Print

Preview files before printing, and print files to scale with fidelity that matches that of Autodesk design software. Print options include Fit to Page, Print Current View, Tile Across Multiple Sheets, and Print Multiple Pages or Page Ranges. Easily select paper sizes, and preview the sheet or view to be printed before sending the DWF file to the printer.

Printer Integration

Autodesk partnerships with HP, Océ, KIP, and PLP, among others, make printing to your hardware device easier than ever. If you are connected to a supported HP Designjet® Color Inkjet Wide-Format Printer, select the HP Instant Printing feature to print an entire sheet set automatically rotated or scaled to best fit the printer roll size. You can also combine this feature with batch printing.

Mark Up and Annotate

Get everything you need for clear and concise markup and annotation, including redline, freehand, stamping, and custom symbol tools.

***ENHANCED* 2D and 3D Markup**

All viewing and markup features are available for both 2D and 3D designs. Markups made on 3D models persist and are visible within the model view, making it more intuitive for team members to capture and review feedback.

Protect Your Intellectual Property

To increase security when sharing designs, measurement, markup, and printing of the DWF file can be disabled in files published from Autodesk Inventor software.

Custom Stamps, Smart Shapes, and Freehand Markup Tools

Add custom symbols and comments to sheet sets and 3D views electronically, including familiar markup call-outs, standard shapes, freehand drawings, and text.

Measure

Powerful 3D measurement tools include the ability to measure lines, polylines, areas, angle of radius, and point location.

***ENHANCED* 3D Measurement Tools**

Use built-in measurement tools to measure distance, length, and angles in 3D models. Locate points (based on the active coordinate system) and relative distance. Measurements made on 3D models persist within the model view, remaining always available for reference.

User Coordinate Support

A robust user coordinate system built into the software provides greater flexibility in measuring models.

Combine Project Documents

Drag project information into your DWF file to quickly and easily build a complete project file that includes product specifications, timelines, and more.

Combine All Design and Project Data

Share, review, and mark up 2D drawings and 3D models—as well as project-related documents from Microsoft Office and other applications—in a single file. Design Review supports adding, deleting, reordering, and renaming sheets and models within the Navigator window. Publishing to DWF format from Office and third-party applications is simple with the free* Autodesk DWF Writer application.

Capture Graphical Information

Capture graphical information such as product specifications or color samples from the web or from other applications with the Snapshot tool, and then add it to your review set in Autodesk Design Review software.

Circulate Designs, Track and Import Changes

Increase team productivity with digital markup tools that allow reviewers' changes to be quickly and easily implemented in the Autodesk design software.

***ENHANCED* Save and Import All Markups (Now with DWFx)**

Import markups from DWF or DWFx format into the original Autodesk design software. You can systematically walk through a review set, navigating markups in the Markup Set Manager for fast, easy revisions in AutoCAD, AutoCAD Mechanical, AutoCAD Electrical, and Autodesk Inventor products.

Automatically Track All Markups

Automatically track your project's status with automatic recording of markups, text annotations, dimensions, review status, and notes.

Complete the Review Cycle

Save DWF files with markups, redlines, and annotations, and send them to the CAD user or other project team members.

AUTODESK DESIGN REVIEW FEATURES AND BENEFITS

Keep the Process Moving with Autodesk Productstream

Accelerate your engineering change order process with Autodesk Design Review software's measure and markup capabilities and the automated workflow of Autodesk® Productstream® software. Easily communicate problems, track who did what and when, and manage markups with the relevant change order.

*Free products are subject to the terms and conditions of the end-user license agreement that accompanies download of this software.

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