

Features & Benefits

Get your product to market quicker by shortening development cycles with faster design reviews. Accelerate projects with Autodesk® Design Review (formerly Autodesk® DWF™ Composer), the all-digital way to review, mark up, and track changes to 2D and 3D designs—all without the original creation software.

Accurately measure, redline, and mark up DWF™, AutoCAD® DWG™, DXF™, Autodesk Inventor®, and raster formats. 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 computer-aided design (CAD) file for fast revisions. Add DWF support for assembly instructions and bill of materials (BOM) viewing in Autodesk Inventor® 11 DWF™ Extension and AutoCAD® Mechanical, and a wide array of publishing options, and there's simply no better way to work.

See why DWF and Autodesk Design Review are the perfect partners for manufacturing:

Accurately Communicate Design Information to Entire Team

Autodesk Design Review allows those unfamiliar with complex CAD software, whether a product planner, QA or shop floor manager, to fully visualize Autodesk Inventor/ AutoCAD designs. Manufacturing design data like BOM information, assembly animations, FEA results, model representations, along with 2D and 3D measurement can all be accessed within Design Review. Include interactive drawings and models in Microsoft® PowerPoint® slide sets for more effective presentations.

Connect to Get Reviews Done On Time

Autodesk Design Review helps product designers connect with customers, suppliers, planners, purchasing and other team members to get products to market faster by shortening the product development lifecycle with faster, with more accurate design reviews.

Document Engineering Change Orders

Autodesk Design Review automatically tracks reviews and their status, assuring no information is lost throughout the review process.

Protect Intellectual Property

By sharing Autodesk DWF files, product designers and engineering teams have all the accuracy and fidelity without sending the original CAD file. Password protection and

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encryption further protect their IP along with disabling print and measure features in Autodesk Design Review.

Key Features and Benefits

View

View and analyze 2D drawings and 3D models exactly as the designer intended.

- **NEW Assembly Instructions**
Animated assembly instructions and exploded views of complex designs can greatly simplify the work of downstream users. Designers can publish technical documentation and assembly instructions to a DWF file that contains simplified views to help production and support teams assemble, maintain, and repair assemblies more effectively.
- **NEW Autodesk Inventor Bill of Materials Support**
Improve communication with suppliers and other departments by enabling secure review of designs and product definition data such as BOM information earlier in the process. Team members can review and mark up BOMs published from Autodesk Inventor software.
- **NEW 3D Pull Apart**
Reviewers of design information can deconstruct designs to gain access to specific parts for inspection. The ability to interactively pull 3D models apart and then return them to the original position means that team members can review designs faster and more effectively.
- **NEW 3D Cross-Sectioning**
Create section views of mechanical or machine designs to understand how the parts are assembled.
- **NEW Import DWG and DXF Files**
Import AutoCAD DWG and DXF files, including the latest 2007 format, directly into Design Review with full fidelity and accuracy.
- **ENHANCED Multisheet Viewing**
View complex sheet sets, including 3D models and 2D drawings, as a single, compact DWF file.
- **NEW Create and Save Design Views**
Collaborate more effectively by enabling designers and reviewers to share specific views of a model or drawing.
- **ENHANCED Open and View Raster Files**
Open, rotate, and view raster images, including BMP, CAL, CALS, CG4, FLC, FLI, FLIC, GIF, GP4, IG4, JFIF, JPE, JPEG, JPG, MIL, PCT, PCX, PICT, PNG, RLC, RST, TGA, TIF, and TIFF (including multisheet TIFF) for viewing and markup.
- **Navigate Using Hyperlinks, Bookmarks, Views**
Quickly navigate between sheets and views using embedded hyperlinks and bookmarks automatically published from Autodesk Inventor products or any AutoCAD-based design software.

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- **Access Design Intelligence**
Access data integral to engineering and design review, including model properties, object and markup properties, sheet set details, and drawing scale.
- **NEW Search in Microsoft Explorer**
Find relevant data by searching in Microsoft Explorer using any text in the target DWF file.
- **Embed in Microsoft Office Applications**
Drag your designs into Microsoft Word, PowerPoint, or Excel, and enable team members to visualize the design in presentations, change orders, estimates, and more.
- **Autodesk Inventor View**
The Autodesk Design Review bundle includes Autodesk Inventor® View, which enables members of the extended manufacturing team to view and plot Autodesk Inventor files.

Print

Rich printing options enable you to print with the same print fidelity as the CAD application.

- **NEW Batch Printing**
Print multiple DWF files, customize print settings, and save batch printing configuration for later use with the Batch Print wizard. Automate batch printing with custom scripts, and 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 or at another scale with the same high fidelity as in Autodesk design software, including the printing of 3D designs. Other 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 a DWF file to the printer.
- **NEW View and Print in Black and White or Grayscale**
View or print color drawings and models as black and white or grayscale, providing more flexibility in printing and easier viewing of markups on drawings.
- **Printer Integration**
Autodesk partnerships with HP®, Océ®, KIP®, and PLP®, among others, make printing to your hardware device easier than ever. If you're connected to a supported HP Designjet® printer, select the HP Instant Printing feature to print an entire sheet set automatically rotated or scaled to best fit the printer roll size.
- **FEATURE PREVIEW Disable Printing**
To increase security when sharing designs, printing of the DWF file can be disabled in files published from Autodesk Inventor 11 DWF Extension.

Mark up and Annotate

Everything you need for clear and concise markup and annotation, including redline, freehand, stamping, and custom symbols tools.

- **ENHANCED 3D Review, Markup, and Measure**
The viewing, markup, and measure features of Autodesk Design Review include both 2D and 3D DWF files.

AutoCAD and Autodesk Inventor applications can publish 3D DWF format files. Using Autodesk® DWF™ Writer, you can also easily publish 3D DWF files from other manufacturing software, including SolidWorks® 2006, Pro/ENGINEER® Wildfire 2.0, and CATIA®.

- **ENHANCED Smart Shapes and Freehand Markup Tools**
Add comments to sheet sets and 3D views electronically, including familiar markup call-outs, standard shapes, freehand drawings, and text.
- **Change Color, Line Width, and Font**
Change the markup display according to different users or preferences. Select from the 48 predefined colors or one of your own, a full range of transparency options, and font sizes and styles.

Measure

Built-in measurement and dimension tools help ensure accurate communication during design review.

- **Lines, Polylines, and Area Measurement**
Use built-in measurement tools to precisely measure lines, polylines, and areas in drawings.
- **3D Measure**
Use built-in measurement tools to measure distance and angles in 3D models.
- **Snap-to-Fit Geometry**
Snap precisely to the drawing geometry, helping to ensure easy and accurate point-to-point measurement.
- **FEATURE PREVIEW Disable Measurement**
To increase security when sharing designs, the measurement feature can be disabled in files published from Autodesk Inventor 11 DWF Extension.

Track Changes

Avoiding overlooked changes is easy with powerful status tracking that helps manage design or construction change orders.

- **ENHANCED Automatically Track All Markups**
Automatically track changes and status with auto-recording of markups, text annotations, dimensions, review status, and notes.

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- **Navigate Markups**
Navigate markups using the markup browser to help ensure that all comments are addressed. Jump straight to markup views from the Navigator window, or track by status.
- **Change Markup Status**
Change the status of your reviews from a Question, to For Review, to Done. Design Review automatically changes the markup color to reflect markup status so you can quickly see design changes that require attention.
- **Check History, Timestamps, and Notes**
See input provided by the reviewer. All comments are directly associated with the design for more precise communication between team members. Add detailed notes, and track the history of comments throughout the review cycle in the Markup Properties window.

Combine Project Documents

Drag project information into the DWF file to quickly and easily build a complete project file with product specifications, timelines, and more.

- **NEW Combine 2D and 3D Designs**
Share, review, and mark up both 2D drawings and 3D models in a single file. Design Review supports adding, deleting, reordering, and renaming sheets and models within the Navigator window.
- **Capture Graphical Information**
Capture graphical information from the web or other applications with the Snapshot tool, and add it to your review set in Design Review.
- **Drag Project Data (from Microsoft Office and Others)**
Drag project-related documents such as schedules or estimates published to DWF format directly from Microsoft Office or other applications. Publishing to DWF format is simple with the free* Autodesk DWF Writer, included with Design Review software.

Round-Trip Reviews

Increase team productivity with inline markup tools that allow you to round-trip designs quickly and easily back into Autodesk design software—without the need to reenter information.

- **ENHANCED Complete the Review Cycle**
Save DWF files with markups, redlines, and annotations, and send them to the CAD user or other project team members. DWF preserves all markup information, which can be viewed in Autodesk design software or with the free* Autodesk® DWF™ Viewer.
- **NEW for Autodesk Inventor: Save and Round-Trip All Markups**
Import 2D markups from DWF format back into Autodesk design software. Systematically walk through a review set, navigating markups in the Markup Set Manager for fast, easy revisions in AutoCAD, and now Autodesk Inventor 11 DWF Extension.

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- **Manage Markups in Autodesk Streamline**
Autodesk Design Review is fully integrated with the Autodesk Streamline® on-demand collaborative project management solution, enabling the instant communication of changes to the project team and tracking of markup versions.
- **Keep the Process Moving with Autodesk Productstream**
Autodesk Design Review and Autodesk® Productstream™ software work together to eliminate productivity obstacles by helping you maintain control of design data and ensure the receipt of the most up-to-date engineering changes and bills of materials.

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