



Features and Benefits

AutoCAD® 2002 is the latest version of the collaboration-driven AutoCAD general design platform that ensures DWG and application compatibility across the 2000 series (AutoCAD 2000 and AutoCAD 2000i). Created for design professionals in fast-paced environments, it offers improved performance and enhanced design-centric tools. AutoCAD 2002 provides CAD managers with standards and deployment management tools to efficiently share data across the design team, which translates into improved profitability. Its new license management

features help IT managers to better leverage their company’s Autodesk® software assets for improved return on investment. See the Features and Benefits matrix for more detail.

AutoCAD 2002 is the leading general design application that lets you maximize the value of your design data. It is the foundation for collaborative design and the industry-specific solutions that take your design to the next level.

AutoCAD 2002. It’s what you do with your design data.

Data Flow and Integrity—Standards

Feature	Function	Benefit
Standards Manager	Primary interface to the feature. Allows you to attach multiple standards files to a drawing and manipulate the hierarchy of standards (DWS) files.	CAD managers can easily identify all plug-ins and standards files. You can use multiple standards files to check for variances across multiple disciplines. You can put standards in hierarchies so, for instance, a client’s corporate standard always takes precedence.
Plug-ins	Defines behavior and parameters of a particular type of standard. Plug-ins included for layers, dimension styles, text styles, linetypes, and line weights.	Plug-ins allow you to check for multiple standards variances within a single interactive or batch session. This modular architecture allows Autodesk and developers to add more plug-ins in the future.
Interactive Audit	Allows you to find and resolve standards discrepancies in files or groups of files.	Provides visual feedback on standards discrepancies, and suggests appropriate fixes. Allows you to fix problems on the fly, improving the quality and accuracy of drawings.
Fix Problem	Application suggests a fix for problems identified during audit. You can accept it or select from other possible fixes.	This allows you to cycle through a drawing, quickly identifying and fixing drawings. By taking advantage of the automated one-click fix, you save considerable time over fixing problems manually.
Ignore Problem	Problems marked “ignored” will not be reported in subsequent audits. Ignored problems can easily be fixed later.	Useful when a drawing is not finished. There may be construction geometry to be removed later but is needed in the interim. It can effectively be ignored while you concentrate on significant problems.
Skip problem	Allows you to skip a problem without ignoring or fixing it.	You can save time by not being forced to deal with irrelevant things during an audit.
Automatically fix problems	Application can run through the audit and automatically fix problems.	When the standards discrepancies are routine and numerous, this capability saves time by removing the need to select each fix.

Data Flow and Integrity—Standards (Con'd)

Feature	Function	Benefit
Batch Audit	Checks each drawing against its own standard, or a set of drawings against a specified list of standards.	Allows you to check a large number of drawings in batch mode and produce a report listing variances. Useful when receiving many drawings from an external vendor or subcontractor, and also as a final quality assurance tool.
Windows application	The Standards batch audit runs independently of AutoCAD as a standalone Windows application.	Batch audits can be run without tying up a copy of AutoCAD.
Batch Report	Produces output in XML format, and is delivered with a sample XSL style sheet that allows this data to be viewed in a browser.	The XML data format can be easily viewed in a browser, and it can easily be imported into other applications, such as a quality management system.
URL Support	Supports URLs for references between different files.	Company standards can be conveniently located at any URL for extended design teams spread around the world.
eTransmit update	eTransmit supports links from drawings to standards files.	You can transmit design data with the standards used to build and validate the design. Others can check their own work against the standards you use.

Powerful CAD Platform

Feature	Function	Benefit
Block Attribute Manager	Modify attributes within a block without having to explode or redefine that block, and all changes are immediately reflected in the existing block insertions.	Faster, more accurate management of block attributes on a global basis. You can edit attribute values, text-related settings, and properties in a single operation, and all changes are automatically displayed.
Enhanced Attribute Editor	Allows editing of attributes value, text settings, or properties in a selected block reference.	A faster and more accurate way of managing individually selected block attributes.
Enhanced Attribute Extract	Extracts block attribute data to comma-separated text (CSV), Microsoft® Excel (XLS), and Microsoft® Access (MDB) file formats. You can attach alias names to blocks and attributes, publish data from multiple drawings and xref attachments, and save templates of selected blocks, attributes, and alias information for reuse.	You can easily publish and summarize attribute data at a project level, store settings in a template file and reapply them at different phases in the project, and use published data in external applications such as Microsoft Excel.
Layer Translator	Translates layer names and properties from one standard to another. Drawing files (DWG), standards files (DWS), or saved Layer Translator files are used as references for standard layers.	Facilitates collaboration by enabling easy translation between sets of layering standards or conventions.
Layer Previous	Restores previously used layer states without undoing geometry edits.	Improves your experience in Undo, Zoom, and Layer operations by letting you switch between layer states without opening the Layer dialog box.
Associative Dimensioning	Modifying dimensioned geometry in drawings automatically adjusts dimensions to the modified geometry.	True associativity improves the design integrity of drawings. Avoiding defpoints improves usability.

Powerful CAD Platform (Con'd)

Feature	Function	Benefit
Transpatial Associative Dimensioning	Improved support for paper space dimensions of model space objects (trans-spatial references), eliminating the need to manually update paper space dimensions after modifying model space geometry.	Enhanced trans-spatial object selection will prove useful in areas unrelated to dimensioning.
Text Enhancements	The spell checker now handles block definitions. A text scaling tool provides better handling of numerous annotations.	Text scaling on groups of objects is easier, requiring only one spell check of the design to correct all text in the drawing file. No more unexpected spelling errors arising when a block is utilized.
Text Scaling	Easily set or adjust the plot height of text objects.	Reduces the manual adjustments necessary and encourages usage of Layouts.
Spell Checker	Includes annotation objects not previously supported.	You can check spelling of previously hidden objects (Block Definitions), reducing potential errors in drawings.

Connected, Collaborative, Content-Rich

Feature	Function	Benefit
Advanced Publish to Web	Easily publish drawings to the Web using a wizard that generates a project, HTML pages, and design content in DWF or raster format. Now includes themes, new templates, and full customization capabilities. Integrated with i-drop™ technology.	Even without prior web knowledge, you can readily put AutoCAD drawings on the Web. And i-drop enables content providers to put design content online in drag-and-drop form.
Templates	Two new templates are added, and templates are extensible so that new ones can easily be added.	Nonprogrammers can create and modify templates quickly and easily.
Themes	Like templates that control the layout of a web page, themes are prepackaged elements that allow you to substitute fonts and background or foreground colors of various page elements.	Using themes, you can quickly select good-looking, well-designed Web pages.
i-drop	i-drop is Autodesk's new XML-based technology allowing content providers to supply a wide array of design and business data through the use of a standard website.	Build websites with rich design content and associated business data. Content publishers can use i-drop to create websites where designs can be dragged from the page into drawings.
PNG Support	Portable Network Graphics (PNG) files are more suitable than JPEG for creating web images of AutoCAD drawings.	You have more flexibility in posting images of AutoCAD drawings online for viewing in ordinary browsers.
Enhanced DWF Support	The DWF template translates drawings to the specified layout in the DWF file format. Full-fidelity plotting through Volo™ View and viewing through Volo™ View Express.	You can control the DWF parameters and enable the intended audience to view your files with Volo viewers.
Send e-mail	Creates an automatic e-mail message after you post a Publish to Web project.	Automatic notifications help provide fast, consistent communication.
AutoCAD Today	Bulletin Board optimized for 800x600 display resolution, and recognizes and adapts to unfamiliar networking environments.	The larger, more versatile Bulletin Board looks and works better with Autodesk Point A.

Connected, Collaborative, Content-Rich (Con'd)

Feature	Function	Benefit
Bulletin Board	This section provides the space for CAD managers to communicate to their team via the company's intranet.	Communicate and deploy project data, company standards, software updates, and more from within AutoCAD.
Updated Diagnostic Tools	Diagnose and repair common Internet connectivity problems and general problems with the AutoCAD Today page.	Designers don't need to be web experts to diagnose connection problems.
My Files on Point A	Link in the places list in the File Navigation dialog that connects to My Files on Autodesk Point A.	My Files on Autodesk Point A, accessible from AutoCAD, allows you to easily share files using an Internet storage space.
Internet Folders	Allows you to store files on any WebDav-enabled site.	Provides greater flexibility inside AutoCAD to leverage the Web for collaboration and file storage.
Drag and Drop Customization	Turn frequently used resources directly into links in the places list inside the File Navigation dialog box.	Makes file access and retrieval much simpler.
DesignXML	Provides the ability to fully represent both graphical and nongraphical data using an open, published XML schema.	Developers can more easily read and write DWG data by using XML as an intermediate format. Extends the value of DWG data by allowing external applications and processes to consume and create design data seamlessly.

Ease of Integration and Advanced License Management

Feature	Function	Benefit
FlexLM Integration	Replaces Elan network license manager with current technology.	Allows large organizations to leverage existing investments in NLM capabilities with increased reliability and better support.
SAMreport-lite Included	Allows CAD managers and IT managers to track and report on license usage.	Helps maximize ROI on your technology investment by assuring full utilization of software assets.
Runtime Switching	Between network and stand alone licenses.	Allows network license users to acquire a standalone license in order to work remotely
File Format	DWG format is unchanged from previous release.	AutoCAD 2002 guarantees complete file compatibility, protecting your investment in existing AutoCAD 2000 files.
Binary Compatibility	AutoCAD 2002 is backward-compatible with applications and scripts written for AutoCAD 2000/2000i.	All applications and LISP routines currently running on AutoCAD 2000/2000i will continue to run on AutoCAD 2002, preserving your existing application and configuration investments.

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