

# Top 10 Reasons to Upgrade from AutoCAD 2004 to AutoCAD 2007

## Everyday Tools Are Better Than Before

AutoCAD® 2007 software has all your favorite tools, but now they're better than ever. You'll save time because everyday tasks require fewer steps. A new DWG™ technology, (introduced with AutoCAD 2007) means that after you upgrade you will be using the latest DWG file format, enhanced for all the great new AutoCAD features and for sharing information with your customers and contractors.

- 1. Intuitive use of common commands.** You can edit drawings faster and easier with an improved user interface for many frequently used AutoCAD commands, here are just a few examples:
  - Join - Combine similar objects into a single object and convert arcs and elliptical arcs to circles and ellipses.
- 2. Robust boundary hatching.** Boundary hatch improvements enable you create hatches with greater efficiency.
  - Trim - Trim an existing hatch to a new boundary without having to erase and recreate the hatch.
  - Hatch area – View the area of a hatch or the cumulative area of multiple hatches using the Properties Window and display the area value as Field text.
- 3. Dynamic attribute extraction tools.** Enhancements to the Attribute Extraction Wizard make it easier for you to utilize and maintain block data.
  - Data filters – Exclude blocks without attributes, exclude general block properties, and sort by the type of block properties when specifying the data to extract.
  - Table – Extract block data directly to an AutoCAD table and apply table styles.
- 4. Improved annotation.** Significant improvements to text and dimensions enable you to create and edit text and dimensions faster and with more flexibility.
  - In-place Text Editing – See exactly what your text looks like in the drawing, while you edit.
  - Lists – Create text lists with bullets and sequential numbers or letters.
- 5. Integrated design review process.** Streamline communication by sending your 2D and 3D designs out for review by team members who review your AutoCAD designs in Autodesk® Design Review software. All redlines, markups, and annotations they make can be overlaid in AutoCAD, through an integrated review process.
  - Markup Set Manager – import DWF-based markups made in Autodesk Design Review software. View complete list of changes. Toggle on/off redlines to see changes in context of the designs.
  - Publish/Re-publish DWF file – send compact, secure DWF files for review in Autodesk Design Review or DWF Viewer, including 3D models.

### New Features Make Work Easier

There have been hundreds of productivity enhancements since AutoCAD R14 software was introduced. The list below incorporates some of our customers' favorite new features in AutoCAD 2007 software.

**6. Conceptual Design and Visualization.** AutoCAD 2007 combines your familiar AutoCAD with an updated conceptual design environment. AutoCAD 2007 helps you quickly create, edit, and navigate solids and surfaces. New and improved tools for lights, materials, and rendering make creating a photo-real image a breeze. Walk and path animation tools enable you to easily explore and present design alternatives.

- Dashboard - New, easy to use, dashboard allows access to all conceptual tools from a single area.
- Conceptual Design - Complete solid and surface modeling entities, including helix, polysolid, and sweeps and lofts.
- Visualization - On screen display modes (includes visual styles, transparency, and edge effects) and photo-real rendering with pre-defined materials libraries.

**7. Dynamic Blocks.** Powerful new Dynamic Block functionality makes working with blocks faster and more efficient. You can properly orient a block reference as you insert it and you can modify its appearance without editing the block definition or erasing and inserting a different block. The flexibility of dynamic blocks provides a powerful and flexible alternative to bloated block libraries containing multiple variations of similar block definitions.

- Block Editor – Create and edit block definitions without having to explode or reference-edit a block reference.
- Block Authoring Tools – Apply parameters and actions to turn traditional block definitions into powerful and flexible Dynamic Blocks.

**8. Dynamic Input.** The Heads-up Design™ of Dynamic Input provides a simplified command interface near the cursor to help you maintain your focus on the design.

- Pointer Input – Enter command names, view the coordinate values of the crosshairs, and input coordinate values at the cursor location.
- Dimension Input – View and edit distance and angle values directly on the relevant geometry.

**9. Streamlined tables.** New table functionality enables you to create and modify tables using intuitive and flexible tools.

- Table styles - Pre-assign table properties such as font, colors, and grid lines. This feature streamlines table creation and improves consistency.
- Right-click menu options and the Properties window offer familiar and intuitive tools for adding rows and columns, merging cells, and modifying table properties.

**10. Intuitive Sheet Set Manager.** The Sheet Set Manager helps you organize, display, and manage a named collection of drawing sheets.

- Sheet List - Access all of the sheets in a sheet set from one convenient location to view, open, and publish the entire sheet set or any combination of sheets.
- Transmittal and archive sets – Create an electronic package containing all of the drawings and reference files in the entire sheet set.
- Fields - Synchronize sheet data with title blocks, view labels, and callouts throughout the sheet set.