Top 10 Reasons to Buy or Upgrade AutoCAD 2012 Software

Power from Concept to Completion

New and expanded workflows for model documentation, reality capture, and 3D conceptual design help increase productivity with AutoCAD® 2012. Explore your design ideas with powerful surface modeling tools. Quickly create documents from a variety of modeling formats, helping to reduce manual documentation workarounds. Capture and import as-built information to jump-start your design process. Plus, you'll find a wide range of timesaving enhancements to the features you use most. AutoCAD 2012 delivers the powerful tools you need to participate in smooth 3D design workflows, helping drive your projects to completion more quickly than ever before.
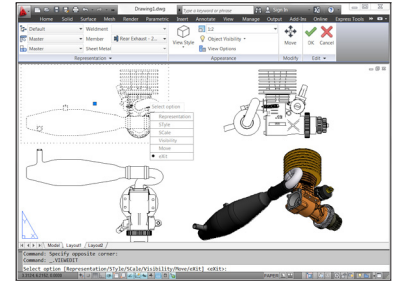
It's time for AutoCAD 2012.

For more information about AutoCAD, go to **www.autodesk.com/autocad**.

1 Quickly document—and stay connected to—3D models from almost any source
Save time by automatically generating intelligent documentation for AutoCAD, Autodesk® Inventor®, and other models. Associative connections with Inventor help ensure drawing views, edge display, and location are instantly updated when an engineering change is made. And since you can import models from a wide variety of applications (including Pro/ENGINEER®, CATIA®, Solidworks®, NX®, and Rhinoceros®), you can streamline almost any documentation workflow.
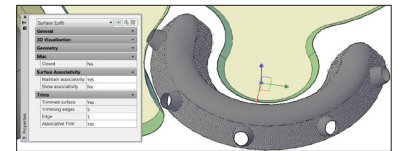
RESULT: Meet customer expectations by using the most complete documentation tools available.

2 Explore design ideas with flexible 3D modeling tools
With AutoCAD, you have the power to create almost any form you can imagine. Simply push/pull faces, edges, and vertices to model complex shapes, add smooth surfaces, and much more. With tools for surface, solid, and mesh modeling, AutoCAD 2012 provides the utmost flexibility and control when designing in 3D.
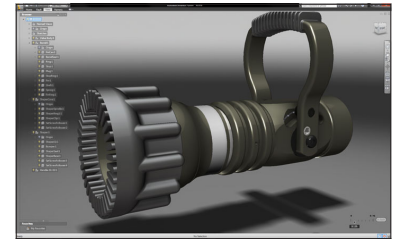
RESULT: Develop conceptual designs more easily in 3D with easy-to-use tools.

3 Access the benefits of direct modeling with Autodesk Inventor Fusion
Shipping with AutoCAD 2012, Autodesk® Inventor® Fusion software adds to the 3D conceptual design capabilities of AutoCAD and sets a new standard for professional 3D modeling ease of use. It enables you to import, flexibly edit, and validate models from almost any source, providing the accessibility of direct modeling in the native DWG™ format.
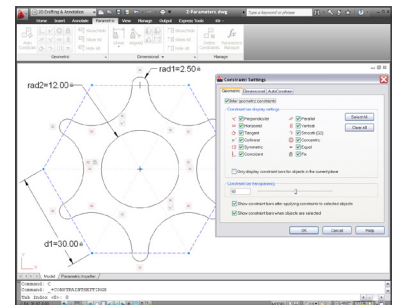
RESULT: Elevate your product designs with a new modeling standard.

4 Slash revision time with parametric drawing
Dramatically slash your design revision time with parametric drawing. When persistent relationships between objects are defined, parallel lines remain parallel and concentric circles remain centered, all automatically. And now you can infer constraints in real time as you draw, virtually eliminating the need to manually define all of your object relationships. Including both geometric and dimensional constraints, AutoCAD 2012 can assist with those time-consuming revision requests.
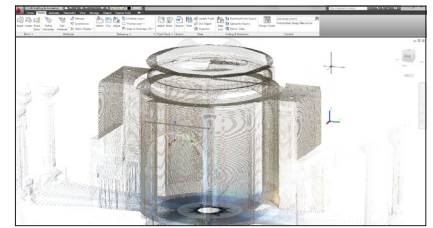
RESULT: Drawing revisions are now much easier.

5 **Make renovations easier with point cloud support.**
Bring your 3D scans to life, streamlining time-consuming renovation and restoration projects. With support for up to two billion points— and an enhanced point cloud engine—the point cloud capabilities in AutoCAD 2012 help you more quickly import scanned objects, snap to points, and develop designs using your 3D scans.
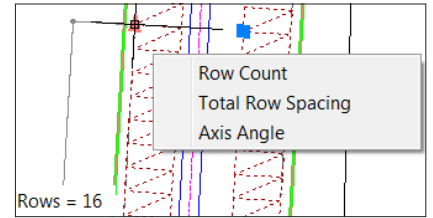
RESULT: Save time by bringing as-built conditions into your AutoCAD workspace.

6 **Document arrayed objects faster than ever before**
Save valuable rework time by establishing and maintaining a set of relationships between arrayed objects, like windows on a building or trusses on a bridge. With AutoCAD 2012, you can array objects along a specified path (rather than having only rectangular or polar options), saving even more time when creating conceptual designs or finished documentation. And now you can also array objects in 3D space, helping to increase speed and flexibility in your design workflows.
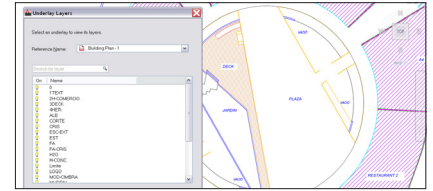
RESULT: More speed, more flexibility.

7 **Attach PDF files as an underlay**
A top customer wish-list request, the ability to import and underlay PDF files is now provided in AutoCAD 2012. Simply import a PDF file to an AutoCAD drawing in the familiar way you import DWG, DWF™, DGN, and image files. You can even snap to key points on PDF geometry using familiar object snaps, making reuse of old designs that much easier.
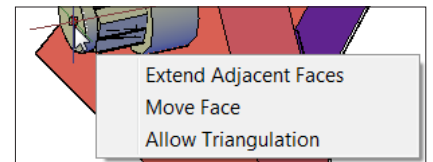
RESULT: Improve collaboration and save time by reusing existing PDF-based design data.

8 **Work with designs more easily using multifunctional grips**
More easily edit objects with direct manipulation of grips. Now the power of multifunctional grips has been extended to more AutoCAD objects, including lines, arcs, elliptical arcs, dimensions, and mleaders, as well as 3D faces, edges, and vertices.

RESULT: The most useful editing tools are always at your fingertips.

9 **Work with hatches more flexibly than ever before**
The hatching capabilities in AutoCAD software are now easier, more flexible, and more reliable than ever. With tools for direct manipulation of hatches, live previews, improved handling of dense hatches, improvements to boundary detection, and the ability to send all hatches to the back, AutoCAD 2012 software helps you save valuable time documenting designs.

RESULT: Save time with more flexible, more reliable hatch tools.

10 **Document and communicate more clearly using transparency options**
Objects and layers have always had a certain set of properties, including color, linetype, and lineweight. In AutoCAD 2012, objects and layers get another property to help you control the visual appearance of your drawings: transparency. You can set transparency by layer, by block, or individually for an object. Now your drawings can look more exactly how you want them to look, helping you keep organized and better communicate design details.

RESULT: Greater clarity. Greater productivity.

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