

# AutoCAD®

2012

## Take design further.



Rendering of backstage robotic video screens for a rock concert tour. AutoCAD® and Autodesk® 3ds Max® software products were used in the design process. Image courtesy of Tait Towers, Inc.

Autodesk®

# Design and Documentation



New and updated tools for conceptual design, model documentation and reality capture help maximise productivity with AutoCAD 2012.

Design and shape the world around you with the powerful, flexible features in AutoCAD software, one of the world's leading 2D and 3D CAD design tools.

Autodesk has been bringing efficiency to your design process for more than 28 years. Used by millions of people globally, AutoCAD® software is a world-leading design and documentation solution. Offering robust 3D free-form design tools and powerful drafting and documentation capabilities, AutoCAD drives design innovation for companies of all sizes in almost all industries.

#### Explore Your Design Ideas

Create the previously unimaginable. AutoCAD gives you the flexibility you need to explore design ideas in both 2D and 3D. A powerful set of intuitive tools helps you visualise and shape your ideas, bringing innovative concepts to life.

- **Autodesk® Inventor® Fusion:** An easy-to-use tool for direct modelling, helping you edit and validate models flexibly from almost any source.
- **3D Free-Form Design:** Use robust surface, mesh and solid modelling tools in AutoCAD software to investigate and refine your ideas.
- **Point Cloud Support:** Bring your 3D scans to life, streamlining time-consuming renovation and restoration projects.
- **Powerful Visualisation Tools:** Add impact to your designs.
- **3D Navigation Tools:** Walk or fly through a model quickly and intuitively.

AutoCAD delivers the flexibility and power needed to help bring your design ideas to life.

#### Accelerate Documentation

Speed up projects from concept to completion with the powerful documentation tools in AutoCAD. Import 3D models directly into AutoCAD and instantly create intelligent 2D views. Minimise repetitive tasks and accelerate your workflow. No matter what the size or scope of your project, you can meet the challenge with AutoCAD software.

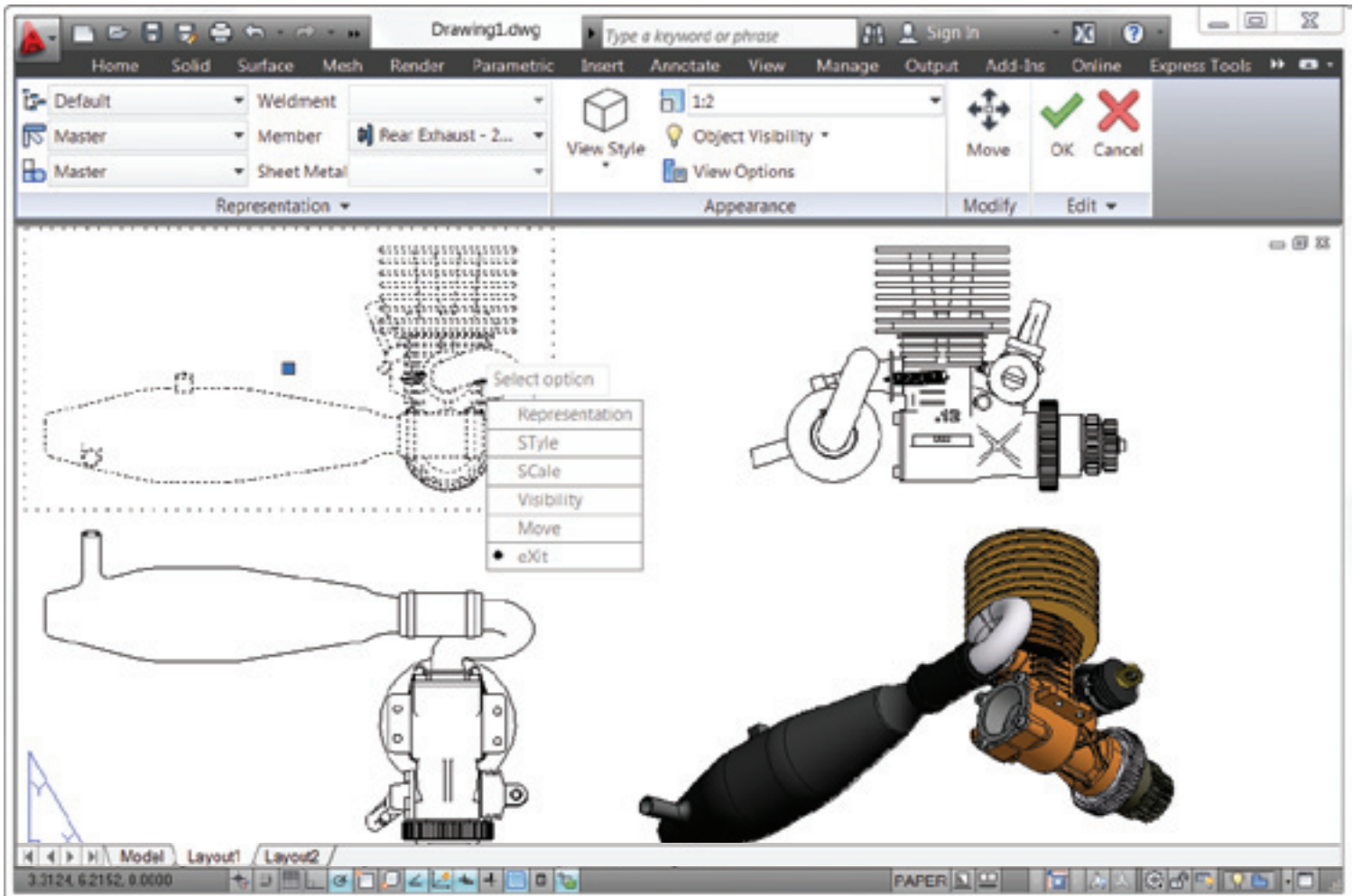
AutoCAD offers a broad toolset that helps you drive efficiency throughout the drafting and documentation process, no matter what industry you are in.

- **Model Documentation:** Automatically generate intelligent documentation for AutoCAD, Autodesk® Inventor® software and other models. You can import and document designs from a wide variety of software applications including SolidWorks®, Pro/ENGINEER®, CATIA®, Rhinoceros® and NX®.
- **Parametric Drawing:** Define relationships between objects, minimising the time needed to edit or rework drawings.
- **Associative Array:** Create arrayed objects easily, such as windows on a building or trusses on a bridge. Plus, you can now array objects in 3D or along a specified path.
- **Sheet Sets:** Organise and manage your drawing sheets efficiently.
- **Dynamic Blocks:** Save time when using standard, repetitive components.
- **Multi-function Grips:** Maximise productivity with context-aware, object-specific menus.

Don't settle for second best. Rely on the drafting and documentation tools in AutoCAD to exceed expectations.

Stay up to date with the latest AutoCAD news, product demonstrations, tips and best practices. Join us on Facebook and Twitter:

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### Communicate Seamlessly

Share critical design data securely, efficiently and accurately with AutoCAD (or online with AutoCAD® WS web and mobile service). Native support for DWG™, one of the world's most widely-used design data formats, helps you keep everyone informed at all times. With presentation-ready graphics, rendering tools and robust plotting and 3D printing capabilities, AutoCAD helps to bring clarity and impact to all of your design communications.

- **AutoCAD WS:** Enables you to stay connected to your designs over the web or from your mobile device.
- **Native DWG Support:** Demand native DWG support, not a conversion or a translation.
- **PDF Import/Export:** Share and re-use designs easily. Import PDF files as an underlay within your workspace.
- **Autodesk Exchange:** With connected access to tips and tutorials, getting started videos and help content, Autodesk Exchange brings the content you need directly to your AutoCAD workspace.
- **Photorealistic Rendering:** Create stunning, visually-rich images.
- **3D Printing:** Connect online to service providers or print from AutoCAD to a local machine.

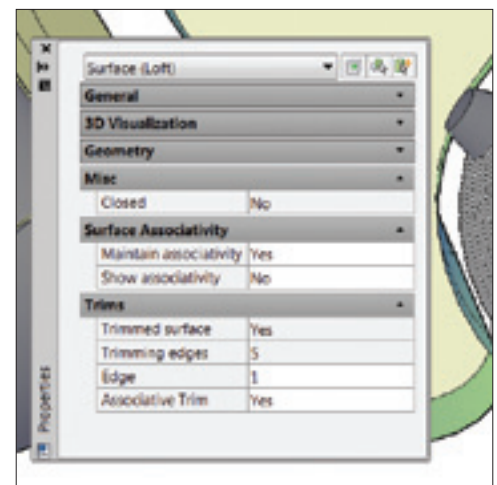
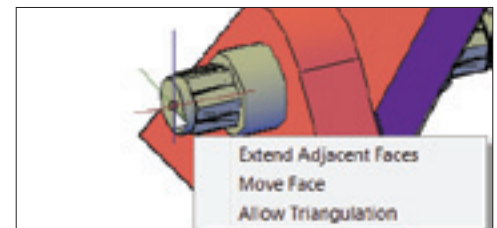
AutoCAD is communication at its best.

### Customise in Ways You Never Thought Possible

Your job is unique. Your software should be as well. With deep APIs, thousands of available add-ons and a broad developer community, AutoCAD software can be customised for your particular requirements. Whether you simply want to arrange tools to match how you work or tailor the software for your industry, AutoCAD is flexible enough to fit your needs perfectly.

- **Simplified Migration Tools:** New and enhanced tools make it easier to migrate your custom settings.
- **Customisable User Interface:** Get the tools you want, at your fingertips.
- **Programming Interface:** Create specialised design and drafting applications.
- **Partner Products and Services:** Extend AutoCAD software to suit all your needs.

Don't choose between flexibility and power. With AutoCAD, you can have both.



With the 3D capabilities of AutoCAD software, it's fast and intuitive for us to turn ideas into conceptual designs we're confident we can build.

—Tyler Kicera  
Lead Designer  
Tait Towers

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