

Autodesk Inventor 7



Features and Benefits Summary

Autodesk Inventor® 7, the latest release of Autodesk's 3D mechanical design software, improves the design process in several areas, including

- **AutoCAD® 2004 Integration.** Fast and simple DWG data reuse from the creators of AutoCAD software.
- **DWF Publishing.** Rich functionality to leverage the Autodesk web publishing standard.
- **Enhanced Large-Assembly Design.** Productive tools to improve large-assembly performance through Design Views and memory management.
- **Shape Manager.** Progressive enhancements to the advanced shape descriptions and editing tools.
- **Pack and Go.** By supporting original project intent, the Pack and Go feature helps you share data more effectively.
- **Presentation Units.** User-requested enhancements to the functionality of presentation files supporting unit types.
- **Communication Center.** New utilities to keep you informed about product updates, subscriptions, tips, and more.
- **Software Licensing with FLEX/m® 8.3.** Get the most from your software investment through new license borrowing and management utilities.

AutoCAD 2004 Integration

Autodesk Inventor software supports the exchange of data with AutoCAD 2004's new DWG files. Demonstrating comprehensive import capability of DWG data, Autodesk Inventor 7 enhances export capabilities of the most requested AutoCAD release formats.

DWG export now supports

- AutoCAD 2004
- AutoCAD® 2000/AutoCAD LT® 2000 drawings

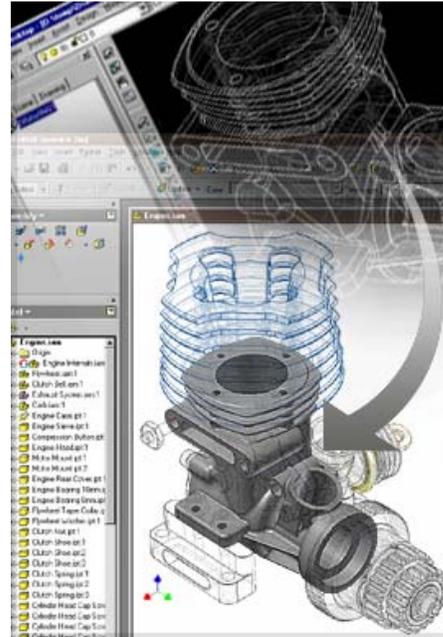
DXF™ export now supports

- AutoCAD 2004
- AutoCAD 2000
- AutoCAD Release 12

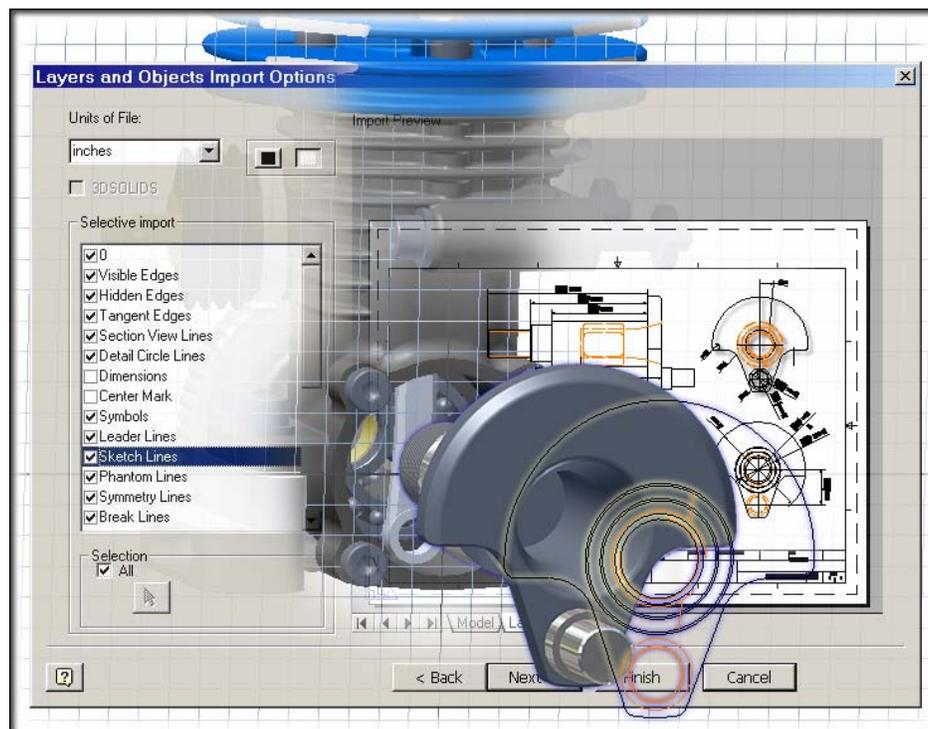
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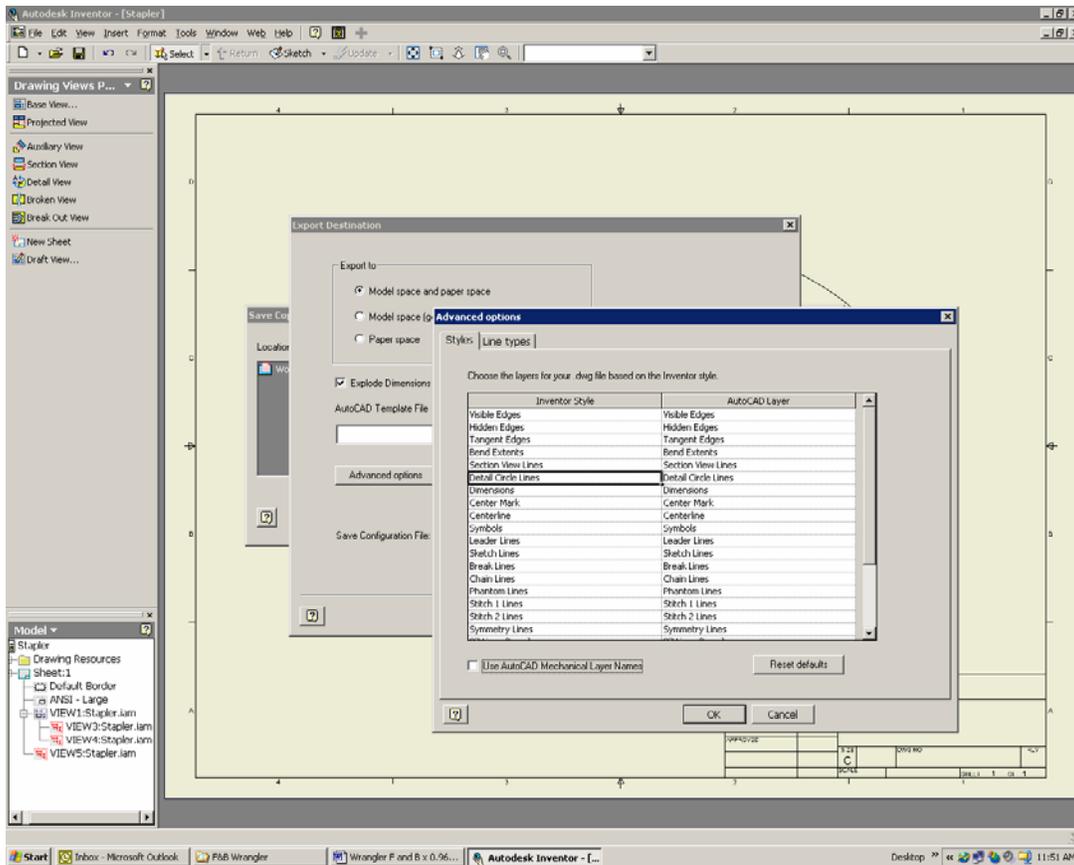
Along with new AutoCAD 2004 DWG support, Autodesk Inventor 7 has improved the workflow of the DWG Import/Export wizard. These improvements group frequently used commands together and reduce the number of steps required to perform import/export tasks.

The enhanced Autodesk Inventor DWG Import/Export wizard runs automatically when you open a DWG file. Removing dialog box prompts saves you time and makes using existing DWG data more efficient. Furthermore, inserting AutoCAD data directly into a 2D or 3D design box requires only one streamlined dialog box.



New to both these workflows are tools that enable you to select only the data you need. Now you can select AutoCAD data directly in the DWG Import/Export wizard preview window. You can import only selected entities into the design, saving time and effort.





With the AutoCAD 2004 integration and new wizard options, you get faster results and more control when reusing AutoCAD data.

DWF Publishing

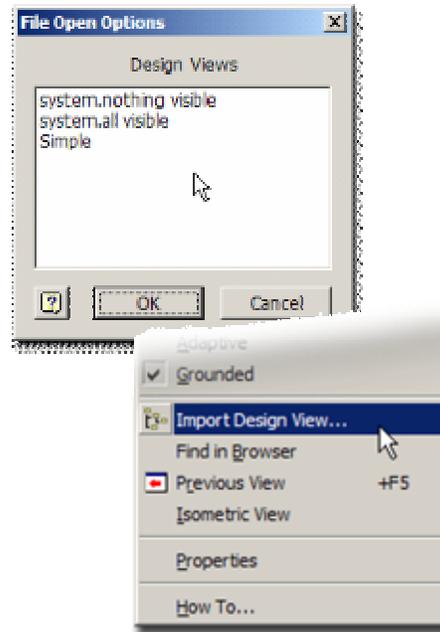
Autodesk Inventor software now supports publishing DWF™ (Design Web Format™) files for use with Autodesk® Express Viewer. Providing a single publishing format for all Autodesk® design tools, new DWF files feature capabilities such as

- Multiple 2D sheets
- Print-ready format

Large-Assembly Design

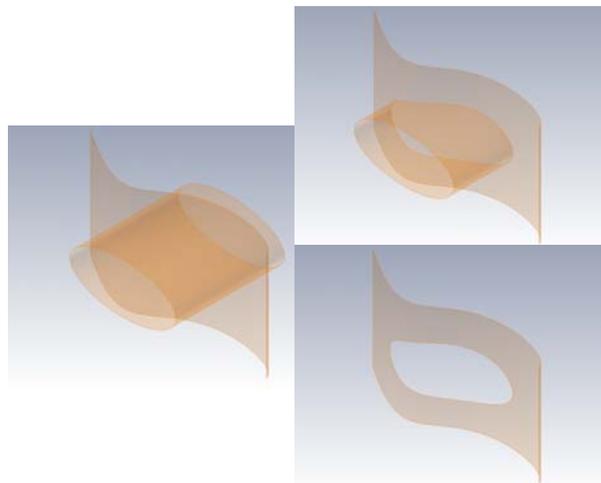
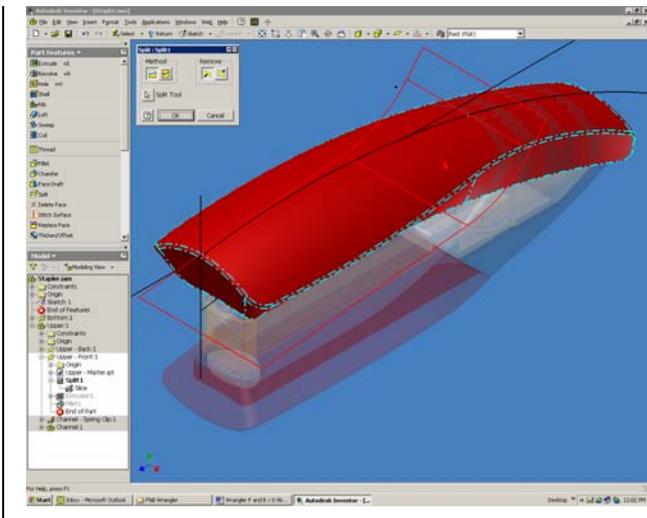
Using a powerful adaptive data engine, Autodesk Inventor 7 introduces a new workflow to manage large assemblies. Improvements to Design Views ease their implementation, so you can work with larger assemblies while maintaining excellent graphics performance. This reduces the amount of memory required to display the assembly, which directly increases the size of the assemblies you can build. Design Views now offer two new uses. When placing a subassembly in a higher assembly, you can select the desired Design View at the time of placement, ensuring that only relevant components are visible. Second, when working in large assemblies, you now have direct access to Design Views for each subassembly and can change them on-the-fly. This makes it fast and easy to switch large numbers of components on and off.

Taking advantage of new capabilities in Microsoft® Windows® XP Professional, Autodesk Inventor can now use workstations with 3 GB of system memory. This is 30 percent more memory than previously possible, so you can work with even larger assemblies.



Shape Manager

The improved Autodesk Inventor Shape Manager toolset now provides for creation of trimmed surfaces. By using the Part Split command, you can split surfaces with other surfaces, part faces, or sketch geometry. You can also import or create surfaces, trim them, and knit them into complex surface or solid shapes. This capability strengthens Autodesk Inventor software's hybrid surface-solids modeling tools and expands the types of complex parts you can design.

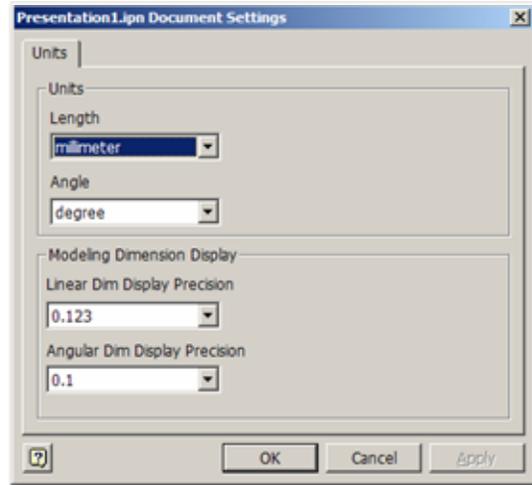


Pack and Go

Autodesk Inventor software enhances the capabilities of data-set sharing by supporting original project intent. You can consolidate remote folders, deselect standard libraries, and pass the original project file for reference. With the new Pack and Go capabilities, point-to-point sharing of designs is even more convenient.

Presentation Units

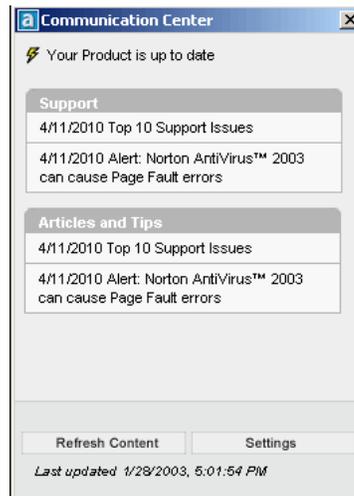
Autodesk Inventor provides improved control of assembly and presentation file units. This capability allows for mixed assembly and presentation units and improved tweak control.



Communication Center

The Communication Center provides direct notification for important product-related information to keep you current on software updates, Autodesk Subscription Program news and extensions announcements, product support information, tips, articles, and more.

The Communication Center is provided with a CAD Manager Control Utility, which allows selective enabling, disabling, and configuration on a user-by-user basis. Only those team members who need to keep informed of the details of updates and subscriptions are notified, simplifying company system setup and standards.



Software Licensing

Autodesk Inventor takes advantage of powerful new FLEXlm[®] 8.3 functionality that helps you maximize your use of Autodesk Inventor licenses through license borrowing and management. With FLEXlm 8.3 you can “borrow” a network license for a limited amount of time and return it to the server when you reconnect, time out, or release the license. This functionality enables you to temporarily work without a connection to the license server. The addition of FLEXlm 8.3 simplifies license management and helps you get the best use of your Autodesk Inventor licenses.

autodesk[®]

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