

Which SolidWorks Package Is Right For You?

How The Packages Compare

FROM THE BACKSHEET COLUMN

	SolidWorks	SolidWorks Professional	SolidWorks Premium
SolidWorks 3D MCAD	●	●	●
DWGEditor	●	●	●
COSMOSXpress	●	●	●
DFMXpress	●	●	●
DriveWorksXpress	●	●	●
RealView Graphics	●	●	●
eDrawings Professional		●	●
SolidWorks Utilities		●	●
Toolbox		●	●
FeatureWorks		●	●
PhotoWorks		●	●
SolidWorks Task Scheduler		●	●
3D Instant Website		●	●
SolidWorks Design		●	●
PDMWorks Workgroup		●	●
SolidWorks Routing			●
TolAnalyst			●
COSMOSWorks Designer			●
COSMOSMotion			●
ScanTo3D			●

SolidWorks

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SolidWorks 3D CAD software is intuitive and enables you to develop better products by allowing your design team to work smarter and faster. Like every other release of the software, SolidWorks 2008 delivers leadership innovations and hundreds of customer-requested enhancements, giving your organization a competitive edge.

DWGseries is a set of software tools that allow you to maintain and share AutoCAD DWG data without the expense of upgrading to the latest version of AutoCAD.

COSMOSXpress is suitable for stress analysis of simple parts, giving you the ability to simulate the effort of force or pressure loads on those parts. Once you have your stress results, **COSMOSXpress** can generate HTML reports and create eDrawings files to document and communicate the results of the analysis. For SolidWorks users who need additional functionality, it is easy to upgrade from **COSMOSXpress** to **COSMOSWorks Designer**.

RealView effectively communicates much more than a CAD model; it describes materials and finishes just as you'd see them in real life - without the need to render. You have access to a comprehensive set of product design materials ranging from brushed and matte metals to textured plastics and glass.

DFMXpress is an upfront validation tool that allows engineers and designers to flag potential problems with designs that could cause expensive manufacturing issues, early in the design process when mistakes can easily be fixed. **DFMXpress** can help you reduce time consuming consultations with manufacturing experts or running through tedious manufacturing check lists.

DriveWorksXpress is an easy to use design automation tool that allows you to automate your most tedious and repetitive design tasks. Today, customers are demanding products at lower prices, higher quality, faster delivery and in many cases customised to meet their unique requirements. **DriveWorksXpress** allows you to automatically generate products or product variants, with the associated parts, assemblies and drawings, by filling out a simple form.

SolidWorks Office Professional

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Plus....

eDrawings Professional allows you to generate accurate representations of 2D and 3D product designs that anyone can view, mark up, and measure.

SolidWorks Utilities finds differences between two versions of the same part quickly and easily, and identifies and highlights problematic geometry in a part. It can also find, modify, and suppress features within a model. **SolidWorks Utilities** features six categories of functionality, along with customized HTML reporting and full integration with SolidWorks.

With **SolidWorks Toolbox** you have instant access to a comprehensive library of standard components. Now you can select and place the right part in the correct, assembled position in seconds.

FeatureWorks enables more productive sharing of 3D models between SolidWorks and other CAD systems. When importing files into SolidWorks, **FeatureWorks** applies intelligence to the geometry creating features like holes, cuts, ribs and chamfers that are fully editable, associative, and parametric.

PhotoWorks enables SolidWorks users to quickly and predictably create photorealistic images that rival those of studio-based photography.

Task Scheduler is an easy-to-use software utility that lets you schedule resource-intensive tasks during periods when you'll be away from your computer.

With **3D Instant Website** you can quickly and easily create and publish live web pages with 3D interactive content.

Streamline your organisation's design release process with **SolidWorks Design Checker**, a timesaving tool for ensuring compliance with your organisation's design standards, providing tighter control over data quality before release from design.

Easy to set up and use, **PDMWorks Workgroup** CAD data management captures file revisions automatically and allows you and other members of your product design team to instantly access desired files, determine who has worked on them, and see exactly when changes were made.

SolidWorks Office Premium

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Plus....

Perform routed system design tasks easily and automatically with **SolidWorks Routing**. Speed up the process of routing tubes, pipes, electrical cable and harnesses and electrical conduit, with automatic creation of all associated manufacturing documentation.

With **TolAnalyst**, you'll be able to quickly verify dimensioning and tolerancing schemes to ensure proper fit and function. **TolAnalyst** GD&T data is read directly from the SolidWorks models. **TolAnalyst** eliminates the need for hand calculations and manual entry of dimensions and tolerances.

Specifically tailored for designers and engineers who are not specialists in design validation, **COSMOSWorks Designer** helps improve product quality by indicating how SolidWorks models will behave before they are built. Go beyond simple hand calculations by verifying your intuitions and study the real-world performance of different design alternatives without ever leaving SolidWorks. **COSMOSWorks Designer** contains the most frequently used design validation tools, offering stress, strain, and displacement analysis capabilities for both parts and assemblies.

COSMOSMotion lets you make sure your designs will work before you build them. **COSMOSMotion** is a virtual prototyping package for engineers and designers interested in understanding the performance of their assemblies. **COSMOSMotion** enables engineers to size motors/actuators, determine power consumption, layout linkages, develop cams, understand gear drives, size springs/dampers, and determine how contacting parts behave.

ScanTo3D is an indispensable tool for any designer who needs to capture physical concept models, existing OEM parts, or anatomical objects and use these "3D scans" as references to build SolidWorks models.

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