3DEXPERIENCE®

TMS CADCentre
SolidWorks in Scotland

SOLIDWORKS

SOLIDWORKS COMPOSER

OBJECTIVE

SOLIDWORKS® Composer is a 3D tool that repurposes 3D engineering data to create graphical content to explain processes and procedures in technical communications. This content includes manufacturing assembly instructions, product manuals, installation instructions, service manuals, training books, marketing brochures, and sales bidding kits.

OVERVIEW

SOLIDWORKS Composer is a tool for producing communication media such as assembly instructions, parts lists, and presentation media. This can be in the format of interactive HTML, animations, and rasterized or vector line art. SOLIDWORKS or other CAD data can be imported into SOLIDWORKS Composer and arranged into views which are snapshots of the data in different orientations, and states of assembly with parts shown and hidden accordingly.

Because SOLIDWORKS Composer is associative, you can automatically update any changes you make to the CAD models in your technical communication deliverables. For the first time, you can get products to market faster with the assurance that your documentation is both high-quality and accurate. SOLIDWORKS Composer pictures and animations are particularly valuable in simplifying assembly instructions and work orders. You can directly show 3D views of how your product is assembled or repaired, reducing errors on the shop floor, eliminating language barriers, and significantly minimizing localization costs.

BENEFITS

Reduces time-to-market delays. SOLIDWORKS Composer helps you reduce documentation errors and ensure that deliverables get to market faster by:

- Starting documentation earlier in the design process and updating it faster when design changes occur.
- Creating interactive 3D content that can be viewed by anyone with the free SOLIDWORKS Composer Player.
- Adding interactive graphics to training materials.
- Creating high-resolution, shaded renderings with a 3D appearance for presentations and brochures.
- Quickly publishing complex product details online with web templates.

Increases customer satisfaction. The right product graphics can mean the difference between making or missing the mark in key sales situations. With SOLIDWORKS Composer, you can:

- Create more lifelike visual imagery and eliminate the need for physical prototypes in creating product marketing materials.
- Demonstrate products more effectively with interactive storyboards.
- Highlight key differentiators with detailed views, glow effects, and transparent components.
- Impress prospects with a quick turnaround of updated designs.
- Create interactive animations to effectively communicate the most complex product details.

Improves clarity of communications. You no longer need to compromise your communications by relying on rough drawings to show your concepts or waiting until your design is finished to start creating product communication deliverables. With SOLIDWORKS Composer, you can quickly and easily create:

- Detailed views
- Exploded views
- High-resolution images
- Technical illustrations
- Interactive animations
- Interactive Bills of Materials (BOMs) and parts lists

DASSAULT SYSTEMES

CAPABILITIES

SOLIDWORKS Composer

- Assembly instructions contain updated information resulting from change orders and retain design intelligence, reducing confusion on the shop floor and misunderstandings due to language barriers.
- Product manuals, as well as service and installation guides, retain a professional look, and are kept up-to-date with any product changes. The result is fewer service calls and an always up-to-date parts list.
- Training materials are created intelligently to address the appropriate end users, helping to reduce an otherwise steep learning curve.
- Sales and marketing materials stand out from the competition and remain current with any product changes.
- Design review presentations easily produced, helping to reduce misunderstandings and obtain buy-in.

SOLIDWORKS Composer Player

More than a simple viewer, SOLIDWORKS Composer Player enables:

- End users to access your content with this free utility.
- Users on your shop floor, customers, and partners to see how the product works, what they can do with it, and how to do it with interactive 3D content.
- Manufacturing teams to visualize how the product is assembled.
- Service representatives to see how a repair is made.
- Customers to watch the product in action, even before it is built.

SOLIDWORKS Composer Player Pro

- Produce customized product demos, interactive content, and assembly instructions for a quick understanding of any needed process.
- Features include rotate, zoom, animate, and measurement functions, and the ability to view BOMs, in an environment where rights are controlled by the author.
- View step-by-step interactive instructions with no additional User Interface (UI).
- Create custom applications to distribute internally or over the website using Application Programming Interfaces (APIs).

SOLIDWORKS Composer Sync

- Updates metadata, geometry, BOMs, and manufacturing information.
- Provides automation for batch output, batch conversion, and all updating.
- Features a large set of models.

SOLIDWORKS Enterprise Composer Sync

- Provides customization and Integration with Product Lifecycle Management (PLM) systems.
- Automates batch mode import of 3D files and publishing content.
- Automates document creation within existing workflow systems.
- Automates document translation by using custom a XML program.

SOLIDWORKS Composer Check

- Uses dynamic and static clash detection.
- Includes Clearance Checking Features: Clash Test, Minimal Distance Test, and Clearance Check.
- Has Interactive Collision Detection to determine collision during animations.
- Validates service and assembly procedures before products entering customers.

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