

WHAT'S NEW IN SOLIDWORKS 2011



1



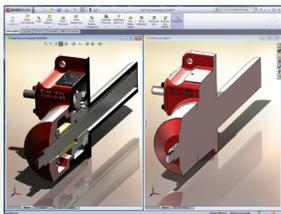
PhotoView 360 and Walk-through

PhotoView 360 is now fully integrated in SolidWorks®, making photorealistic image and animation creation simple for everyone, even the casual user. Walk-through enables a video game-like exploration of products, including structures and large machinery.

Benefits:

Provide detailed, lifelike images and walk-through overviews for demonstrating designs to customers, partners, vendors, and coworkers.

2



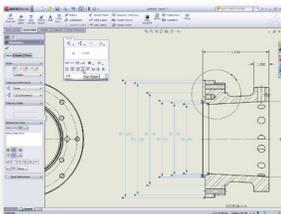
Defeature Tool

Automatically strip important details out of models to control how much intellectual property is exposed to vendors, customers, and partners. This also reduces the file size of the model, which helps minimize the size of assemblies that incorporate the defeatured model.

Benefits:

Enable manufacturers and others to share smaller, easier-to-handle versions of their 3D models while protecting proprietary design data.

3



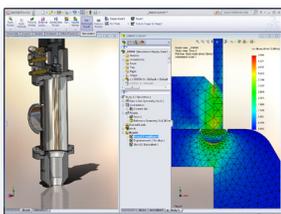
Fast Drawing Detailing

The Auto Arrange Dimensions tool provides quick and easy alignment, staggering, centering, and overlap prevention capabilities for dimensions. New tools in the Dimension Palette enable linear and radial spacing, collinear and staggered alignment, and top-bottom-left-right justification control of multiple dimensions.

Benefits:

Reduce time-consuming tasks in the product detailing portion of the overall development process.

4



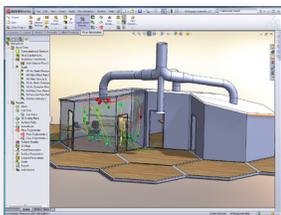
Planar Simplification and Enhanced Beam Analysis

Achieve faster analysis of parts with uniform sections through the use of planar simplification to represent the parts' geometry, rather than analyzing the entire structure. Analyze beams more thoroughly by varying loads along their length to accurately simulate real-world conditions.

Benefits:

Focus on analyzing and innovating by cutting redundant steps from the development process.

5



HVAC and Cooling Modules

New SolidWorks Flow Simulation modules are tailored specifically to meet the unique challenges of electronic packaging and HVAC designers. Simulate the air and heat flows through electronic components and HVAC systems without leaving your SolidWorks CAD environment.

Benefits:

Optimize the thermal performance of electronic components and HVAC systems through quick, simplified analysis.

