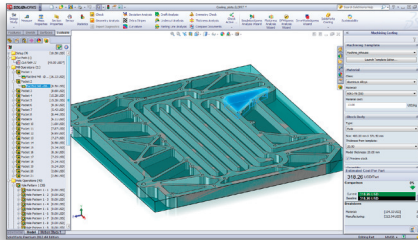


# WHAT'S NEW IN SOLIDWORKS 2012

1



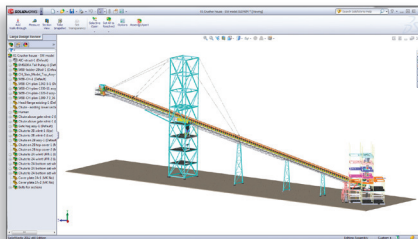
## COSTING TOOL

SolidWorks® Costing automates manufacturing cost calculations for sheet metal and machined parts. Modify your design or switch part configurations and instantly see the new, updated manufacturing estimate. Default templates are customizable to simulate your specific manufacturing environment.

### ▶ CUSTOMER BENEFITS

Designers can make more informed decisions based on cost throughout the design process, continually modeling different scenarios. Automate your quoting process to increase manufacturing sales opportunities.

2



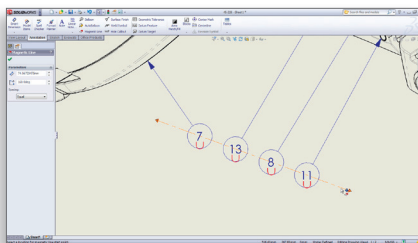
## LARGE DESIGN REVIEW

Large Design Review is the fastest way to open and interrogate a large assembly. Capabilities include walk-through, sectioning, and measuring, as well as the ability to open any assembly component.

### ▶ CUSTOMER BENEFITS

Instantly open and review massive assemblies for any purpose without the need for a high-powered computer or any special file preparation.

3



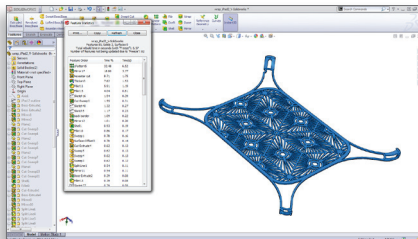
## MAGNETIC LINES AND BALLOON ENHANCEMENTS

Magnetic Lines allow you to automatically and precisely arrange balloons on a drawing. Balloons will snap to Magnetic Lines and can be moved from one Magnetic Line to another.

### ▶ CUSTOMER BENEFITS

Create and place balloons precisely where they need to go, while spending less time detailing and aligning your drawings.

4



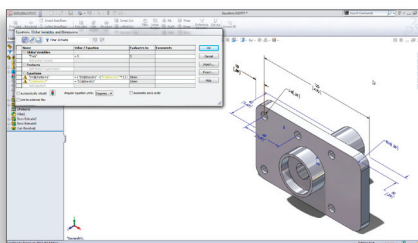
## FEATURE FREEZE

Feature Freeze lets you control whether specific features will rebuild or not. Additional features can be added without having to rebuild earlier ones; at any point, features can be unfrozen.

### ▶ CUSTOMER BENEFITS

Dramatically speed the design of complex models where rebuilding of specific features is not desired.

5



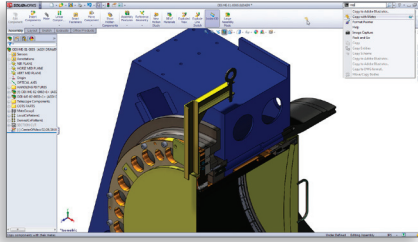
## ENHANCED EQUATION EDITOR

The Equation Editor has been completely revamped for easier navigation and use. Syntax highlighting is especially useful for trouble-shooting equations. Multiple views include Variable and Equation View, Dimension View, and Solve Order View.

### ▶ CUSTOMER BENEFITS

Use the new capabilities to create equations faster and understand equation order more easily.

6



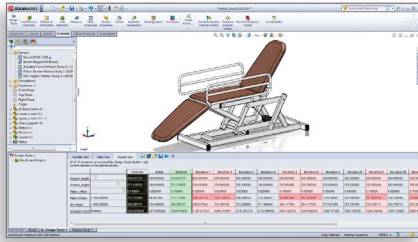
### COMMAND SEARCH

Command Search allows you to quickly find commands that are either hard to access, or not on the standard toolbars. Launch commands, drag and drop commands, or just highlight command locations in pull-down menus or toolbars directly from the search results.

#### ▶ CUSTOMER BENEFITS

Get up to speed faster with Command Search, and more easily customize the SolidWorks user interface to streamline your workflow.

7



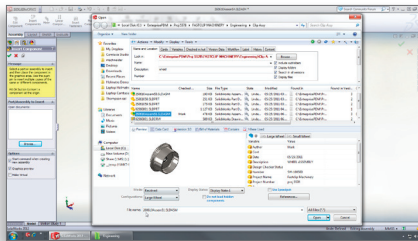
### MOTION OPTIMIZATION

Motion Optimization automatically uses motion study results to create sensors and refine machine aspects such as motor size, bearing loads, and range of travel. Dynamically adjust any input and immediately see changes to constraints or goals.

#### ▶ CUSTOMER BENEFITS

Optimize designs in a fraction of the time by refining the mechanism configuration to suit stock motors and actuators, ensuring range limits or bearing loads are not exceeded.

8



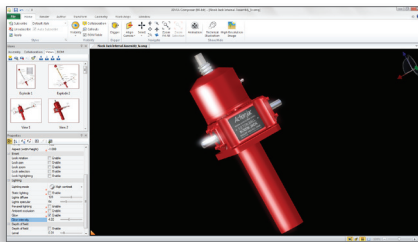
### SOLIDWORKS ENTERPRISE PDM INTEGRATED SEARCH

Enterprise PDM Integrated Search gives you the option of searching from within your current Explorer window—no separate dialogs needed. Access favorite searches or open the full search tool for all options.

#### ▶ CUSTOMER BENEFITS

Reduce screen clutter by streamlining the number of open dialog boxes.

9



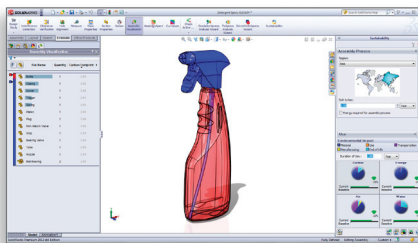
### 3DVIA COMPOSER™ ENHANCED LIFELIKE EXPERIENCE

Enhanced Lifelike Experience enables you to add part-to-part shadows, ambient occlusion, and shadows to 2D panels with precise control for a more 3D appearance. A glow effect can also be added to highlight specific areas of interest.

#### ▶ CUSTOMER BENEFITS

Take precise control over your 3DVIA Composer renderings and add a more lifelike appearance to your visualizations.

10



### SOLIDWORKS SUSTAINABILITY

Sustainability has a new, advanced user interface that allows you to more closely model processes, with parameters like recycled content and duration of use. You also have access to the latest Sustainability Extras materials as soon as they become available—without waiting for service packs or new releases.

#### ▶ CUSTOMER BENEFITS

More accurately model your products with new “what if” scenarios and better support for unique and custom materials, beyond the standard SolidWorks material database.

[www.solidworks.com](http://www.solidworks.com)

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LET'S GO DESIGN