

WHAT'S NEW IN SOLIDWORKS 2014 SOLUTIONS



1 ADVANCED SHAPE CONTROL

- Fast and easy creation of complex geometry with new Style Spline functionality
- Better, simpler control over curvature of spline geometry
- New Conic Fillet controls create smoother transitions for fillets

Benefits

Create complex surfaces and organic shapes faster, easier, and with more precise control.



2 SKETCH ENHANCEMENTS

- Replace Sketch entity
- Set Sketch and Sketch Picture scale when adding first dimension
- Fixed length dimension for 2D splines
- Path Length dimension for multiple Sketch entities—belts, chains, cables, perimeters, etc.

Benefits

Conceptualize and design faster and easier with more robust and powerful Sketch capabilities.

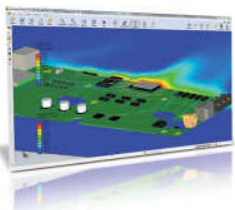


3 ENHANCED ASSEMBLY PERFORMANCE AND VISUALIZATION

- Create assemblies faster with new in-context Quick Mate toolbar
- Section View—Include/Exclude selected components
- Significantly improved Section View performance
- Create part Slot features with Hole Wizard and speed up assembly creation with new Slot Mate
- Add rotation in Explode Steps so parts will automatically rotate

Benefits

Create and view assemblies faster and easier.



4 DESIGN COMMUNICATION AND COLLABORATION

- Experience your 3D designs in the real world in Augmented Reality with eDrawings® and eDrawings Professional iOS® mobile apps
- eDrawings mobile support for Android™ devices (4.0 and later)
- Create an eDrawings file of your SolidWorks Electrical schematics with a single click

Benefits

Experience and communicate your design ideas in a more lifelike way—anytime, anywhere.

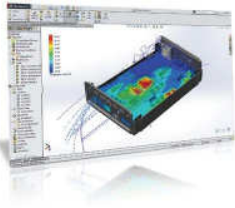


5 NEW SHEET METAL FEATURES

- New Sheet Metal Gusset feature for creation of stiffening ribs
- Improved control over sheet metal corner treatments
- Sheet Metal Lofted-Bend includes information needed for press brake manufacturing

Benefits

Create sheet metal geometry faster, with improved data output for manufacturing.



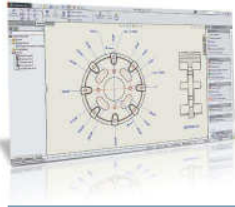
6 STREAMLINED SIMULATION SETUP

SolidWorks® Simulation automatically leverages data for simulations:

- Toolbox fasteners definition, with position, bolt materials, and preloads, for Bolt Connectors in SolidWorks Simulation
- Thermal properties and PCB definition from electrical components in SolidWorks Flow Simulation
- In-mold residual stress and temperature data from SolidWorks Plastics in SolidWorks Simulation

Benefits

Streamline simulation and eliminate duplication of effort to enable concurrent engineering.

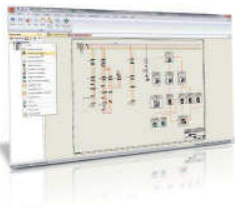


7 FASTER DRAWING DETAILING

- Create angular running dimensions
- Set automatic limits for rows in tables
- Turn a part drawing into an assembly drawing without losing references
- Slot callout notes

Benefits

Perform faster and more automated drawing detailing.

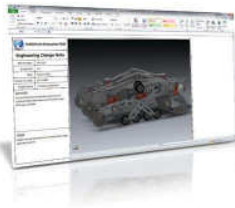


8 SOLIDWORKS ELECTRICAL IMPROVED INTEGRATION AND PERFORMANCE

- Single-button publishing of schematic and assembly files for review in eDrawings
- One click check-in/check-out of electrical project files to SolidWorks Enterprise PDM
- Enhanced wire/cable/harness development capabilities with optimized routing

Benefits

Optimize, share, and track electrical designs more easily for improved project collaboration.



9 SOLIDWORKS ENTERPRISE PDM STREAMLINED WORKFLOW

- Customize the user interface with custom data columns for company-specific data
- Automated cache management to cache and clear specified folders at user log-in and log-off
- Enable vault operations directly in Microsoft® Office user interface for Word, Excel®, and PowerPoint®

Benefits

Make faster, more accurate document actions and get the latest file versions automatically.



10 STREAMLINED COST ESTIMATING AND REPORTING

- New options enable selection and control of cost estimation methods
- New estimate type based on average cost of material removal simplifies Costing setup
- Microsoft Excel integration and output of more Costing Custom Properties improve cost data sharing

Benefits

Cost parts faster and with less setup, then share cost data more effectively with downstream applications.

SolidWorks 2014 new features and enhancements span the full range of SolidWorks software for 3D design, simulation, technical communication, and product data management to maximize your productivity. For more information, visit www.solidworks.com/products2014.

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