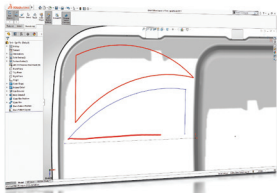


# WHAT'S NEW IN SOLIDWORKS 2018: 3D CAD



## 1 INNOVATIVE NEW USER EXPERIENCE

- Freehand sketching with pen or touch on compatible devices
- Touch and stylus support for many design tasks
- Mirror in 3D sketches
- Enhanced Mouse gestures and user interface customization

### Benefits

Faster, more intuitive ways to interact with SOLIDWORKS®.

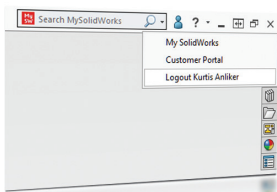


## 2 MORE POWERFUL SOLIDWORKS 3D INTERCONNECT

- Work with ACIS, STEP, and IGES and update changes when newer versions are received.
- Access more internal properties from 3D Interconnect supported files.

### Benefits

Work seamlessly with more file types and incorporate design changes dramatically faster.

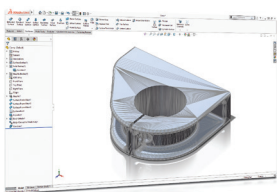


## 3 CLOUD CONNECTED SOLIDWORKS

- SOLIDWORKS Online Licensing makes using your license on multiple machines effortless.
- SOLIDWORKS Login moves customized content and settings to any machine on which SOLIDWORKS is installed.
- SOLIDWORKS Admin Portal allows easier management of SOLIDWORKS products and services.

### Benefits

The power of desktop with the convenience of the cloud.

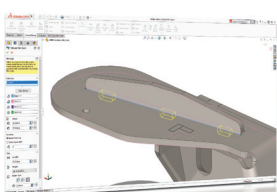


## 4 WORK DIRECTLY WITH MESH DATA

- Use mesh data like it is surface or solid geometry.
- Convert solid or surface geometry to mesh.
- Perform operations directly on mesh such as Cut, Cut with Surface, Interference Check, Combine, Intersect, Split, Move/Copy, and others.

### Benefits

Work directly with mesh data with no need to convert to surfaces.



## 5 SHEET METAL FEATURES THAT IMPROVE MANUFACTURABILITY

- Tab and slot feature for self-fixturing of parts for welding
- Normal cut feature ensures clearance included for manufacturing.
- Corners that include three bends can be easily created and flattened.

### Benefits

Innovative new features improve sheet metal manufacturing processes..

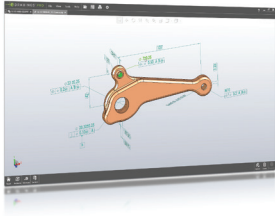


## 6 ENHANCED DRAWING CAPABILITIES

- Has support for Advanced Hole Wizard callouts.
- Broken-out section can be added to detail, alternate position, and section views.
- Apply hatches to specific layers—inherits properties of the layer.

### Benefits

Comprehensive capabilities for high-quality engineering drawings.



## 7 ENHANCED DESIGN COMMUNICATION WITH EDRAWINGS

- Include decals without the need to send a separate decal file.
- Streamlined workflow for setting options and password protection.
- Display all MBD generated 3D Views across multiple configurations of a model.

### Benefits

Simpler, faster, and secure design communication with eDrawings®.

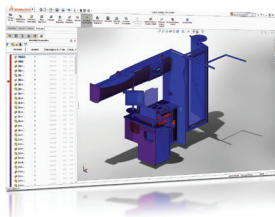


## 8 FULLY IMMERSIVE EXPERIENCE WITH SOLIDWORKS VISUALIZE

- Create panoramic Virtual Reality (VR) content.
- Support for 360 stereo animations.
- Sun studies, camera fly's, exploded views, and part animations.

### Benefits

Immerse yourself into any 3D scene and experience exploring and reviewing your design at 1:1 scale, including animations.

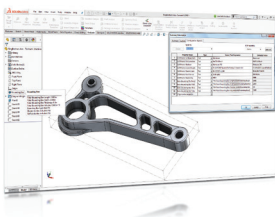


## 9 ASSEMBLY PERFORMANCE IMPROVEMENTS

- Concentric holes no longer need to be perfectly in-line to be used for assembly mates.
- Large Assembly Performance Evaluation Tool.
- Temporarily hide faces when mating using ALT key for faster assembly of components.

### Benefits

Much more flexibility designing assemblies.



## 10 PART FEATURES THAT STREAMLINE MANUFACTURING

- Include a customizable bounding box description for weldment cut lists.
- Link cut list folder names to cut list properties for faster detailing of weldments.
- Automatic bounding box creation for entire part—includes bounding box properties.

### Benefits

Speed downstream operations by automatically including more information needed for manufacturing.

See the full range of SOLIDWORKS software for design, simulation, technical communication, and data management at [www.solidworks.com/products2018](http://www.solidworks.com/products2018).

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