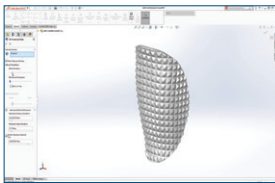


WHAT'S NEW IN SOLIDWORKS 2019—3D CAD



1 MESH MODELING OPENS UP NEW DESIGN POSSIBILITIES

- Easily create complex textures by converting 2D appearances into real 3D geometry
- Use mesh files like they are solids using the new Segment Mesh
- Automatically create 2D sketches at intersections of geometry and a plane with the Slicing command

Benefits

Increased capabilities for mesh geometry streamlining reverse engineering and topology optimization.



2 NEW WAYS TO INTERACT WITH SOLIDWORKS

- Support for Microsoft® Surface dial from the Surface Studio
- Sketch gesture recognition enhancements including splines and slots
- Improved Touch mode gestures including copy, select and drag, and 3D rotate lock
- Customize task pane tabs

Benefits

Be more productive with the latest interfaces devices and SOLIDWORKS.

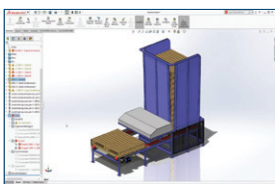


3 EXTEND YOUR SOLIDWORKS EXPERIENCE IN AR/VR

- Simplify the path from SOLIDWORKS® to Augmented (AR) and Virtual Reality (VR) with a new export option called Extended Reality (XR)
- Full support of latest graphics card types results in a dramatic frame rate increase

Benefits

Faster performance and new ways to interact with your CAD data in AR/VR.

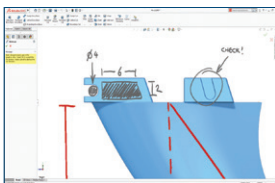


4 CREATE AND WORK WITH LARGE ASSEMBLIES FASTER

- Create new assemblies in Large Design Review mode
- Enhanced Defeature tool gives more control and usability for IP protection
- Save assembly as multi-body part has more options and more control
- Automatically lock rotation for Toolbox fasteners

Benefits

Massive performance gains and workflow optimization with large assemblies.

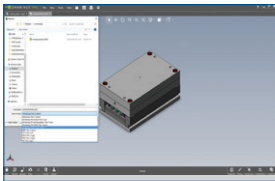


5 CLEARER AND FASTER COLLABORATION

- New export options for AEC and 3D Interconnect now supports IFC import
- 3D Mark up on parts and assemblies (also Pen/Touch enabled)
- Animation can now export .mp4, .flv, .mkv, .png and .jpg

Benefits

More options for import and export to make collaboration easier.

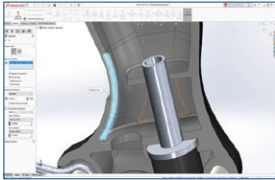


6 IMPROVED CAPABILITIES FOR EDRAWINGS

- Measure, mark-up and explode features are all now available in eDrawings Viewer
- New file viewing support—JT, Parasolid, NX, ACIS
- eDrawings® Professional can now save as 3D HTML for browser-based sharing plus AR/VR

Benefits

Powerful new capabilities for sharing SOLIDWORKS data and viewing other formats.

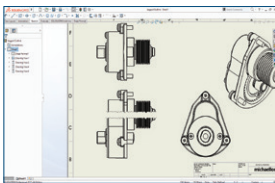


7 POWERFUL NEW TOOLS FOR PART MODELING

- Partial Fillet and Chamfer
- Interference detection for multi-body parts
- Streamlined insertion of a part with a specific configuration
- Materials and sheet metal parameters linked for sheet metal

Benefits

Additional capabilities make SOLIDWORKS part modeling more powerful than ever before.

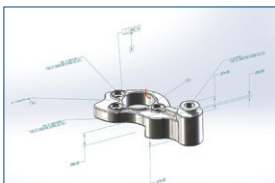


8 MORE FLEXIBILITY AND CONTROL FOR DRAWINGS

- Removed Section Views to show slices of the model at selected locations
- Drawing Open progress indicator
- Cell border thickness editing
- Customized Hole Table tags, numbers and order

Benefits

New view creation capabilities and more control for perfect drawings.

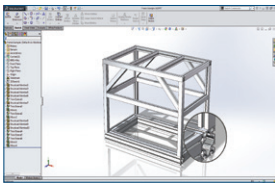


9 3D ANNOTATIONS FOR ALL

- DimXpert is now known as MBD Dimension
- MBD Dimension is available for assemblies in SOLIDWORKS Standard and above
- Carry over annotations from source to derived and mirrored parts
- MBD support for sheet metal bend notes, tables and lines

Benefits

Accelerate downstream processes with 3D dimensions and tolerances.



10 MORE EFFICIENT CREATION OF WELDMENTS

- Easy positioning of weldment profile sketch
- Corner treatment enhancements
- Multi-edit structural profiles

Benefits

More productivity when working with structural sections.

Our 3DEXPERIENCE® platform powers our brand applications, serving 12 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE® Company, provides business and people with virtual universes to imagine sustainable innovations. Its world-leading solutions transform the way products are designed, produced, and supported. Dassault Systèmes' collaborative solutions foster social innovation, expanding possibilities for the virtual world to improve the real world. The group brings value to over 220,000 customers of all sizes in all industries in more than 140 countries. For more information, visit www.3ds.com.

