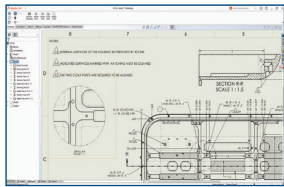


WHAT'S NEW IN SOLIDWORKS® 2021— DESIGN TO MANUFACTURING

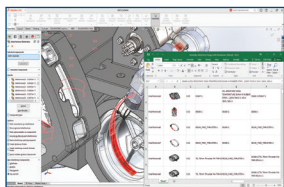


1 Drawing Detailing Mode Improvements

- Improved performance of Detailing Mode to speed up drawing creation even more
- Improvements in ability to add hole callouts, edit existing dimensions and annotations, and add Detail, Break and Crop views

Benefits

Work faster on large assembly drawings with more improvements to Detailing Mode.

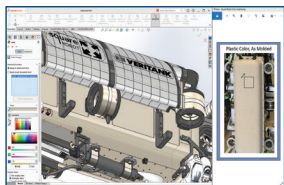


2 Assembly Modeling Enhancements

- Interference detection report with images exportable to Microsoft® Excel spreadsheet
- Defeatured model can be saved as configuration
- Chain pattern along path to use curve length

Benefits

Create streamlined workflows for assembly design.

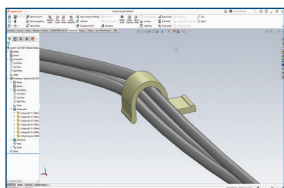


3 User Experience Delighters

- Color picker tool allows you to pick color for appearances from external application
- Redo feature for more than 60 features and commands in parts
- Customize dialog box to search for commands on Shortcut bars and Command tabs
- Translated features names in FeatureManager® design tree

Benefits

Save time and simplify design tasks.

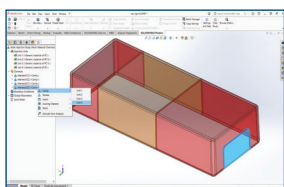


4 Improved Electrical Design

- Splines or lines available for creating route path sketch
- Multiple wires or cables can pass through and be arranged through clip
- Wires joined using splice component, or spliced without component
- Information on end termination can be brought from SOLIDWORKS Electrical Schematic into 3D

Benefits

Enjoy greater flexibility for electrical design.

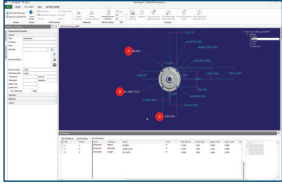


5 Improved Plastics Simulation

- Redesigned PlasticsManager tree streamlines plastics simulation workflow
- Enhanced baffling and bubbler modeling and meshing improve cooling results accuracy
- More accurate and up-to-date plastics material data

Benefits

Produce better plastic simulation results with streamlined workflows, modeling realism and up-to-date materials data.

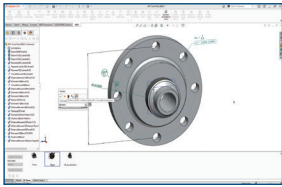


6 Part Support for SOLIDWORKS Inspection

- Quality control information directly accessible from SOLIDWORKS parts containing 3D annotations
- Existing 3D CAD data can be leveraged to save time creating First Article Inspection Reports
- Drawingless manufacturing strategy expands to quality control

Benefits

Leverage existing 3D CAD files for streamlined creation of industry-standard inspection reports.

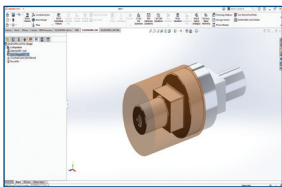


7 Enhanced 3D Annotation Tools

- Sheet metal bend tables publishable in 3D PDF
- Driving and driven locating dimensions define semantically correct datum targets
- Improved 3D PDF display quality

Benefits

Increase productivity through model-based definition improvements.

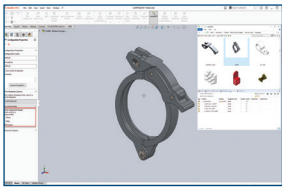


8 More Options for SOLIDWORKS CAM

- Changes controlled through rebuild manager, ensuring all necessary information stays current with design changes
- Cylindrical stock support for milling operations
- Drill peck amounts specified based on diameter of drill used

Benefits

Take advantage of more options for machining and more control when design changes occur.



9 Streamlined Data Management

- More consistent Windows Explorer integration, and better thumbnail support
- Greater flexibility in controlling custom column sets
- Support for BOM settings reduces risk of mistakes and improves efficiency when working with BOMs
- Icon selection available for workflow states, and transitions improved to help determine status of particular file quickly

Benefits

Save significant time when performing common SOLIDWORKS PDM operations.



10 Connected Design-to-Manufacturing Ecosystem in the Cloud

- Derived Formats Converter enables creation of derived outputs for broader consumption and exact geometry for use in downstream design, simulation and manufacturing applications
- Support for multiple sheets and markups on drawings, improved drawings quality
- Managing Open Modes offers similar options to SOLIDWORKS when opening data from 3DEXPERIENCE® platform
- Ability to control configurations to save in 3DEXPERIENCE platform

Benefits

Create seamless product development workflows and easily extend them with new tools as your business needs evolve.

Our 3DEXPERIENCE® platform powers our brand applications, serving 11 industries, and provides a rich portfolio of industry solution experiences.

Dassault Systèmes, the 3DEXPERIENCE Company, is a catalyst for human progress. We provide business and people with collaborative virtual environments to imagine sustainable innovations. By creating 'virtual experience twins' of the real world with our 3DEXPERIENCE platform and applications, our customers push the boundaries of innovation, learning and production.

Dassault Systèmes' 20,000 employees are bringing value to more than 270,000 customers of all sizes, in all industries, in more than 140 countries. For more information, visit www.3ds.com.

