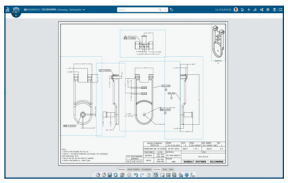
SOLIDWORKS

3DEXPERIENCE

WHAT'S NEW IN THE SOLIDWORKS® BROWSER-BASED ROLES

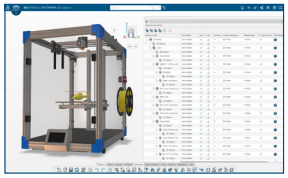


1 Versatile Definition Workflows

- Utilize 2D and 3D definition workflows – based on your needs, with the new 2D authoring and dimensioning capabilities.
- Seamlessly add views, dimensions, and tolerances directly within the 2D drawing environment, eliminating the need to switch to 3D for annotation.
- Automatically generate 3D annotations and views, ensuring consistency and accuracy across both forms of definition.

Benefits

Break down the barrier between 2D and 3D with a single source of truth, combining the benefits of model-based definition with the ease of 2D drawings.

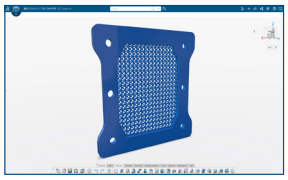


2 Efficient Assembly Management

- Quickly assess the status and states of assembly components in a single tool with the session information panel.
- Access vital details such as save status, lock status, revision, and maturity status for every component.
- Easily verify that you're working with the most up-to-date components, ensuring accuracy and collaboration within your design workflow.

Benefits

Check the status of components at a glance and take control of your data management.



3 Design Lighter and Stronger Parts

- Design lighter and stronger parts that are optimized for 3D printing by harnessing the power of Lattice Designer.
- Evaluate lattice geometry with the interference detection tool, allowing you to identify and resolve potential interferences to ensure design integrity.
- Leverage Print3D capabilities and export lattice geometry to STL format to prepare your parts for 3D printing.

Benefits

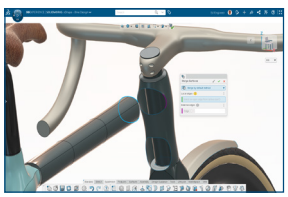
Create lighter and stronger parts optimized for 3D printing with Lattice Designer.

4 Design for a Sustainable Future

- Easily transfer models from 3D Creator to Eco-Design Engineer through simple drag and drop.
- Perform comprehensive life cycle assessments within Eco-Design Engineer to evaluate the environmental footprint of your designs.
- Choose the most sustainable options throughout the design process to have an enormous impact on product sustainability.

Benefits

Evaluate environmental impacts and compare the sustainability of design alternatives.



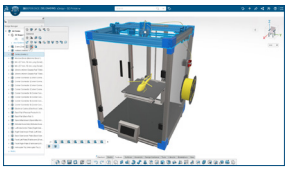
5 Create Complex Freeform Geometry with Merge

- Unlock the potential to create intricate and complex freeform geometry in your designs with the Merge command.
- Merge separate subdivision surfaces together, transforming them into a single cohesive design.
- Design individual surfaces separately, allowing you to dedicate attention to intricate details on small areas of the design.

Benefits

Seamlessly combine multiple subdivision surfaces, enabling the creation of complex, organic shapes.

DASSAULT SYSTEMES

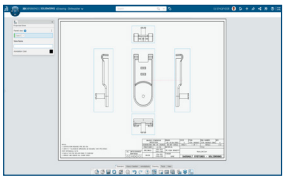


6 Easily Identify Lock Status

- Quickly identify the lock status of each physical product with clear lock symbols in the Design Manager.
- Easily differentiate between components locked by you and those locked by others, and hover over the lock icon to see who holds the lock.
- Send a push notification to another user from the context menu to ask them to unlock a specific component or assembly.

Benefits

Quickly identify the lock status of physical products and send unlock requests to other users.

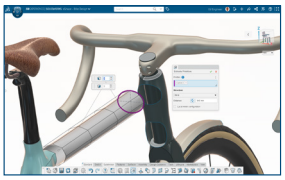


7 Create Professional Drawings with Projection Views

- Create professional drawings that adhere to industry standards by utilizing both third-angle and first-angle projection views.
- Effectively communicate your design intent and specifications through accurate, standardized projection views.
- Save time and effort by leveraging predefined projection views, eliminating the need for manual adjustments and reducing the risk of errors.

Benefits

Create professional drawings with industry-standard projection views.

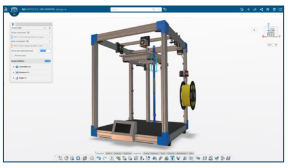


8 Create User-Defined Subdivision Primitives

- Create a subdivision primitive from a sketch by extruding or revolving, providing a solid foundation for your freeform design process.
- Begin with a primitive shape that closely resembles your intended design, allowing you to focus on refining and detailing specific areas.
- Iterate through design variations more rapidly, exploring different shapes and forms while maintaining flexibility and control.

Benefits

Achieve your desired design outcome with greater speed and precision by leveraging Extrude and Revolve Subdivision Primitives.



9 Define Mechanical Systems with Advanced Mates

- Define screw joints for lead screws, adjustment knobs, and threaded fasteners, ensuring precise representation of their functionality in your assemblies.
- Use the slide and roll curve mates to create a mate between a circular edge and a curve/edge.
- Create detailed virtual twin assemblies with connections between components that replicate real-world physics.

Benefits

Achieve greater accuracy and efficiency in your designs, empowering you to create complex mechanical systems.

10 Optimize Design Session Performance

- Verify network connection, server connection, and more to optimize your design experience.
- Optimize your graphics performance and accelerate client-side interactions by leveraging GPU reporting in the System Status command.

Benefits

Verify your internet connection to ensure the best possible design experience and easily reconnect in the event of a failed server connection with the new system status dialog.

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Chennai
3rd Floor, Mamanjee Centre , S7-A, Thiru-Vi-Ka Industrial Estate, Guindy, Chennai-600032

Coimbatore
2nd floor, Sree, Sakthivel Towers, 687/5, Trichy Rd, Kongu Nagar, Ramanathapuram, Coimbatore-641045

Kolhapur
Plot No. P-12, Shop No. 1&2 SMAK Building, Near Police Station, MIDC Shiroli, Kolhapur - 416122

AUTHORIZED Reseller SOLIDWORKS

+91 87544 47021

marketing@simtek.in

www.simtek.in