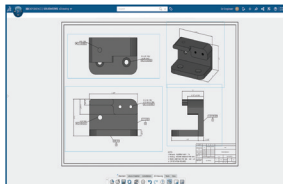


WHAT'S NEW IN THE SOLIDWORKS® BROWSER-BASED ROLES



1 2D Drawings | Manufacturing Definition Creator

- Reduce discrepancies and work intuitively by defining design requirements directly on models in 3D.
- Eliminate costly errors and keep product definitions in sync when creating 2D drawings by seamlessly sharing annotations between 3D and 2D.
- Increase your productivity with a variety of streamlined drawing tools that help you create drawings in a web browser.

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.

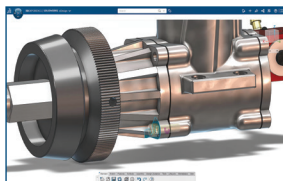


2 Welcome App | 3D Creator

- Access all the key role and app information, placed directly at your fingertips.
- Learn about the latest platform solutions by following streamlined, guided workflows, as well as tutorials and learning paths.

Benefits

Easily learn and get up to speed quickly with your new solutions using a personalized welcome experience.

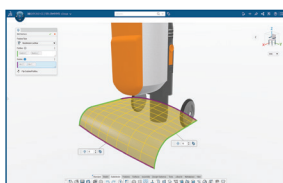


3 Smart Mate | 3D Creator

- Easily put together assemblies by dragging components and snapping them into place.
- Invoke the SmartMate command automatically when you drag a component close to another component's edge.

Benefits

Put assemblies together faster than ever with SmartMates. Simply drag and snap components into place.

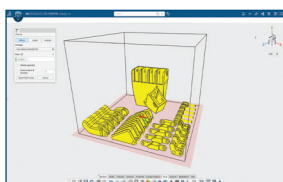


4 Net Surfacing | 3D Sculptor

- Use familiar CAD operations to create a subdivision surface.
- Create a loft, sweep, or boundary surface, then edit the surface with freeform modeling tools.

Benefits

Create your own subdivision surface using familiar CAD operations, then refine the surface with the intuitive subdivision tool kit. No need for primitive shapes.

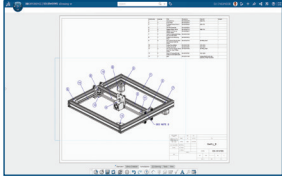


5 3D Print Orientation and Nesting Optimization | 3D Creator

- Automatically create and optimize component layouts for 3D printing assemblies.
- Auto-arrange components in nested patterns across your 3D printer build plate.

Benefits

Reduce material costs, get the most out of your 3D printer, and create the most efficient layout with automatic optimization and nesting.

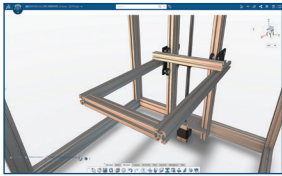


6 BOM Tables | Manufacturing Definition Creator

- Create detailed bill of materials (BOM) tables for 3D assembly definition and 2D drawings.
- Automatically link BOM table values directly with ENOVIA® part properties for consistent, up-to-date information.
- Customize BOM tables with intuitive table-editing tools.

Benefits

Define your assemblies with clarity and communicate critical assembly information using flexible, detailed BOM tables.

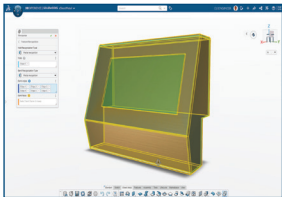


7 Automatic Corner Trimming | 3D Structure Creator

- Create members based on sketch segments, model edges, points, or intersection planes, or between two members, and check Enable Automatic Corner Trims to trim corners and end points.
- Save time by automating the corner trimming process.

Benefits

Create structure systems faster by automatically trimming members during member creation.

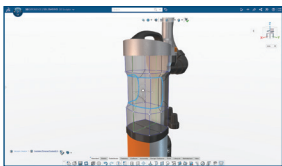


8 Recognize | 3D SheetMetal Creator

- Create complex sheet metal geometry using conventional convert-to-sheet-metal workflows.
- Convert solids, surfaces, and uniform thickness bodies to sheet metal.
- Customize bends, walls, splits, gap distances, and more, all with a single command.

Benefits

Increase productivity and create complex sheet metal shapes using traditional modeling features as the foundation for your components.

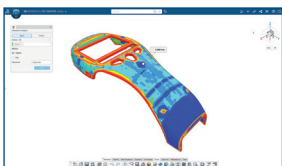


9 Selection Accelerators | 3D Sculptor

- Select all tangent edges or faces using the Select Tangency accelerator from the minibar.
- Shift-select along a corner loop using the Corner Loop accelerator.
- Select all connected edges with the same crease using the Select Crease accelerator from the minibar.

Benefits

Speed up geometry selection using new selection accelerators.



10 Thickness Analysis | 3D Mold Creator

- Perform thickness checks using the rolling ball "sphere" method or the normal distance "ray" method with the new Thickness Check tool.
- Easily identify the thickness range using colors.
- Manually investigate thicknesses at specific locations by clicking on the area you'd like to investigate.

Benefits

Prevent sink marks by ensuring uniform thickness and improve design integrity by verifying that parts will fill properly.

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