What's New in SolidWorks 2021		
Module	**No. of Enhancements**	**Remarks If any**
SolidWorks Standard		
Parts	9	• Adding and Evaluating Equations • Redo Support for Part Features • Transfer Body Material or Part Material • Edge Flanges • Performance Improvements in Sheet Metal • Graphical Manipulator in Structure System • Correct Cut List Length of Weldment Member • Trims for End Miter Joints • Generating Cut List IDs
Assemblies	10	• Saving a Defeatured Model as a Configuration • Performance Evaluation Checks for Circular References • Spacing Options for Chain Patterns • Auto-Resolving Lightweight Components • Exporting Interference Detection Results • Slot Mates • Synchronizing a Patterned Component to a Seed • Mate Alignment • Assemblies Performance Improvements • Mate PropertyManager

Drawing	8	• Detailing Mode Enhancements (4) • Context Toolbars and Menus in Drawings • Location of the Hatch Pattern File • VDA Balloons • Performance Improvements in Detailing and Drawings
SolidWorks Professional		
eDrawings Professional	4	• Annotations in 3D Views• File Properties• Measure• Measure and Move in Save as eDrawings Web HTML
SolidWorks Premium		
Routing	11	• Routing Multiple Wires Through Clips • Location of Tables in Flattened Routes • Table Properties in Flattened Routes • Selecting Several Routes for Electrical Attributes • Keeping Cable Ends at Correct Pin Locations • Locking Route Segments • Hiding Empty Pin Rows • Propagating Termination Type • Additional Properties Available in the BOMs • Splicing Without Components • Selecting Components to Maintain 3D Orientation in Flatten Routes
SOLIDWORKS Product data Management		
PDM Professional	8	Customizing Columns
		Supporting Cut List References in Computed Bill of Materials
		SOLIDWORKS PDM File Explorer Enhancements
		Icon Changes for Workflow States and Transitions

		Treehouse View in the Where Used Tab
		SOLIDWORKS PDM Performance Improvements
		Displaying Derived Part References
		Using Bill of Materials Options Defined in SOLIDWORKS
SOLIDWORKS MANAGE	17	Bill of Materials Enhancements
		Task Enhancements
		SOLIDWORKS Manage User Interface Enhancements
		Database Debug Log Viewer
		Promotion Settings for SOLIDWORKS PDM Reference Files
		Multi-select Project Stages and Show Sub-stages Options
		Access to the Capacity Planning Dashboard
		SOLIDWORKS File Preview in the Plenary Web Client
		Thumbnail Utility for SOLIDWORKS PDM Objects
		Access to Numbering Schemes
		Save as Recursive
		Viewer Licenses
		Multi-Language Display Names
		Controlling Field Values
		Optionally Upgrading the Database
		File Sharing Option
		Other SOLIDWORKS Manage Enhancements
SolidWorks CAM 2021		
SolidWorks CAM	6	• Additional Stock Types Available in Stock Manager
		• Rebuild Data When Stock Parameters Are Modified

		• End Conditions for Part Perimeter Feature
		• Modify Path to Post Processors in the Technology Database
		• Defining Peck Amounts for Point-to-Point Operations
		• Supported Platforms for SOLIDWORKS CAM
SolidWorks Visualize 2021		
SolidWorks Visualize	9	• Capping Cut Planes
		• Draco Compression for SOLIDWORKS Visualize GLTF and GLB Exporter
		• Support for SOLIDWORKS Configurations
		• Toon Shading
		• Displacement Mapping
		• Shaders
		• User Interface Enhancements for SOLIDWORKS Visualize
		• Render Layers
		• Viewport Settings Dialog Box
SolidWorks Composer 2021		
SolidWorks Composer	7	• Controlling the Display of Hidden Edges
		• Highlighting of Invisible Actors
		• Delete Empty Groups at Import
		• Loading Improvements
		• Saving Multiple Configurations to SOLIDWORKS Composer Files
		• Sharing (Default) Document Properties
		• Other SOLIDWORKS Composer Enhancements
SolidWorks Inspection 2021		
SolidWorks Inspection Add-in	2	• Template File Locations

		• VDA Balloons
SolidWorks Inspection Standalone	2	• Grid Improvements
		• SOLIDWORKS Part Support
SolidWorks MBD 2021		
SolidWorks MBD	2	• Datum Targets
		• Bend Tables in 3D PDFs
SolidWorks Simulation 2021		
Boundary conditions	2	•Terminology Updates for SOLIDWORKS Simulation
		•Pin Connector Forces
Mesh	4	•Enhanced Blended Curvature-Based Mesher
		•Improvement in Multicore Meshing
		•Mesh Quality-Diagnostics Tool
		•Default Mesh Settings
Contacts	5	•Contact Stabilization
		•Geometry Corrections for Surfaces in Contact
		•Improvement in Multicore Contacts calculation
		•Improved Bonded Formulation
		•Switch Source and Target Faces for Local Interactions
Solver/Post-processing	3	•Simulation Solvers
		•Improved Post-Processing for Very Large Models
		•Simulation Evaluator
SolidWorks Flow Simulation 2021		
Post Processing	3	•Creating Plots from Scene Template
		•Calculating Minimum and Maximum Values from Plots

		• Customizing Visualization Parameters
Pre-Processing	1	• Filtering Hidden Bodies in Component Control
SolidWorks Plastics 2021		
Manager Tree	1	• Redesigned PlasticsManager Tree
Material	3	• Access to Material Databases
		• Material Database Plots
		• Material Library Updates
Co-Injection	2	• Delay Time Option for Co-Injection Processes
		• A-B-A Sequence of a Co-Injection Process
Over Moulding	1	• Multi-Material Over-moulding Injection Process
Runners/Baffles	2	• Enhanced Modelling of Baffles and Bubblers
		• Enhanced Modelling of Sketch-Based Runners
Injection	1	• Mould-Melt Heat Transfer Coefficient parameter
Tutorial	1	• Plastics Tutorials
SolidWorks Electrical 2021		
SolidWorks Electrical	9	• Generating Separate Routing Assemblies of Cables
		• Creating Multiple Drawings Simultaneously
		• Symbols for Terminal Strips
		• Excluding a Manufacturer Part from a BOM
		• Managing Wires
		• Using Splines in Routings
		• SOLIDWORKS Electrical Viewer
		• Archive and Scheduling Process
		• Add-In for Excel Automation