Dx Geomagic Design X

Why upgrade to Geomagic Design X 2022?

New Features Comparison by Major Releases

New Features	V 22	V 20	V 19	V 16.2	V 16.1	V 16	V 15.2
Updates to Lofts & Exact Surfacing Tools	•						
Live Transfer to SolidWorks 2022, Inventor 2021-2023, Creo 8.0-9.0, NX 1899, 1926, 1953 series	•						
New Sketch Tools (Centered Rectangle, Mid-Point Constraint, Radial/Circular Dimension Display)	•						
Improved CAD Tessellated Mesh Segmentation	•						
New Hexagon Structured Light Scanner Interface	•						
Hardware Interface Updates (Einscan, AT960 tracker + AS1 scanner, Faro Quantum Max/S + LLP XR/HD)	•						
Updated Native CAD Imports	•						
New Selective Autosurfacing by Boundary Curves	•	•					
New Selective Autosurfacing by Mesh Selection	•	•					
New Unroll/Reroll Mesh and Point Clouds	•	•					
New Unroll/Reroll 2D and 3D Curves	•	•					
New Flatten and Curl Scans and Curves	•	•					
Product Preview Program for valid Maintenance Subscribers	•	•					
New Separate Mesh Command	•	•					
New 3D Systems Licensing System	•	•					
LiveTransfer to SOLIDWORKS 2020, Inventor 2020, Siemens NX 1872, Creo 6.0	•	•					
Save As Support for SolidEdge 2020 and CATIA V5-6 2019	•	•					
Updated Ribbon Layout with LiveCapture Tab	•	•	•				
Improved Mesh Rendering	•	•	•				
Mesh is Always Active	•	•	•				
Group Scans in Model Tree	•	•	•				
Updated Native CAD Imports	•	•	•				
Import Wrap and Control X Files	•	•	•				
Improved Scanning Performance	•	•	•				
New Move Device Command	•	•	•				
New Probe Location Feature	•	•	•				
Overhauled Mesh Engine	•	•	•				
Improved Healing Wizard	•	•	•				
New Scan Process Method	•	•	•				
Dynamically Controlled Smart Select	•	•	•				
Improved Fill Hole Algorithm	•	•	•				
Improved Point Normal Generation	•	•	•				
New Constraints with Manager in 2D Sketching	•	•	•				
Improved Auto-Sketch Constraints	•	•	•				
Dimensional Rounding in Smart Dimension	•	•	•				
Spline Tangency Control	•	•	•				
Improved RMB Context Menus	•	•	•				
Undo and Cancel Actions within 2D Sketch Commands	•	•	•				
Added Spline Blend Tool in 3D Sketching	•	•	•				
Edit Splines with Control Polygons and Properties Dock	•	•	•				

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Feature	C1	C2	C3	C4	C5	C6	C7
Fill Face Creates G2 Continuous Surfaces	•	•	•				
Added Constant Curvature Continuity in Fillet Command	•	•	•				
Improved Exact Surfacing Logic	•	•	•				
LiveTransfer to SolidWorks 2019, Inventor 2019, SEIMENS NX 12, Creo 5.0	•	•	•				
Faster Accuracy Analyzer Performance	•	•	•				
New Zebra Stripes Options in Accuracy Analyzer	•	•	•				
New Curvature Comb Analysis Tool	•	•	•				
Updated Hardware Compatibility for AICON, FARO, Kreon, and Nikon	•	•	•	•			
Improved Importing of CAD, PLY, ASCII, and e57 File Types	•	•	•	•			
Smoothness Control in Fill Holes	•	•	•	•			
Improved Healing Wizard	•	•	•	•			
3D Spline Constraint Icon	•	•	•	•			
Enhanced Fit Surface Patches	•	•	•	•			
LiveTransfer to SolidWorks 2018, Inventor 2018, Creo 4	•	•	•	•			
Remove Patch Curves in 3D Sketching and Surfacing	•	•	•	•			
Repair Patches in 3D Sketches and Surfacing	•	•	•	•			
Relax Patches and Contours in 3D Sketches and Surfacing	•	•	•	•			
Specify Front View to Y-Up or Z-Up	•	•	•	•			
LiveScan Clipping Plane	•	•	•	•			
Anonymous Usage Statistics with Error Reports	•	•	•	•			
Updated Hardware Device Compatibility	•	•	•	•			
Polygon Topology Created During Scanning	•	•	•	•			
LiveTransfer to SolidWorks 2016, SIEMENS NX 10, Creo 3.0	•	•	•	•	•		
Import E57 and LSPROJ files	•	•	•	•	•		
Temporary Folder for Scanning	•	•	•	•	•		
Improved Modeling Performance	•	•	•	•	•		
FARO Array Imager Support	•	•	•	•	•		
Optional Collection of Anonymous Usage Statistics	•	•	•	•	•		
Import/Export PLY Point Files with Normal Information	•	•	•	•	•		
Upgraded Licensing Platform	•	•	•	•	•		
Enhanced Scanning Performance	•	•	•	•	•		
Import GPD Files	•	•	•	•	•		
New Exact Surfacing Functions	•	•	•	•	•	•	
High-Definition Mesh Construction	•	•	•	•	•	•	
Enhanced Tooltip with Images	•	•	•	•	•	•	
Right-Click Contextual Menu	•	•	•	•	•	•	
New Upper-Side Toolbar	•	•	•	•	•	•	
New Quick Access Toolbar	•	•	•	•	•	•	
Customizable Ribbon Interface	•	•	•	•	•	•	
11 Supported Languages	•	•	•	•	•	•	
High DPI Support	•	•	•	•	•	•	
Split Curves while Constructing Patch Network	•	•	•	•	•	•	
Region Segmentation with a Tessellated Mesh	•	•	•	•	•	•	
Real Time Scan Point Detection and Data Processing	•	•	•	•	•	•	•
Publish models as 3D PDF documents	•	•	•	•	•	•	•
Import Native CAD Files	•	•	•	•	•	•	•

Get In Touch

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