Geomagic Design X

Why upgrade to Geomagic Design X 2023?

New features comparison by major release

New Features	V23	V22	V20	V19	V16
Live Transfer to SolidWorks 2023, Inventor 2010-2024, Creo 8.0-9.0, NX 1899, 1926, 1953 series (23.2)	•				
Plugin for Scantech KSCAN-Magic Series, AXE-B Series 3D and SIMSCAN Handheld 3D Laser Scanners (23.2)	•				
Plugin for Scantech TrackScan-Sharp and TrackScan-P Optical 3D Measurement System (23.2)	•				
Plugin for Scantech K-Probe and T-Probe probing devices (23.2)	•				
Plugin for PMT Alpha ARM Series (23.2)	•				
UI/UX Improvements (Customized font for Measurements) (23.2)	•				
Additional alignment methods for the Hexagon SLS plugin (23.1)	•				
More effective Pipe and Sweep Wizards based on the new 3D Polyline Curve (23.1)	•				
Updated Native CAD Imports (23.1)	•				
Live Transfer to SolidWorks 2023, Inventor 2010-2023, Creo 8.0-9.0, NX 1899, 1926, 1953 series (23.1)	•				
Subscription Licensing (23.1)	•				
Support for Chinese (Traditional) (23.1)	•				
UI/UX Improvements (Customized font in Color Bar, Updated ribbons, Additional selection tools in 2D Sketch) (23.1)	•				
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	•	•	•	•	
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	•	•	•	•	•

Get In Touch

Contact us for a demo at oqton.com/geomagic-designx

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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	•	•	•	•	•

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Get In Touch

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