Why upgrade to Geomagic Control X 2022?

New Features Comparison by Major Releases

	V22.0	V20.0	V18.1	V18.0	V17.0
NEW FEATURES	£ 8.0000	Lacone	A Record	1 Acres	£ 12200
Customize and Automate Workflows using Visual Scripting	•				
Scan with Hexagon Structured Light Scanners within Control X	•				
Unequal Tolerance in Surface Profile	•				
Use mesh as reference data	•				
Updated native CAD file import along with PMI for most formats	•				
Improved CAD tessellated mesh segmentation	•				
New Flexible Geometry Creation Methods in LiveGeometry	•	•			
New P.C.D. (Bolt Hole Circle) Method to LiveGeometry	•	•			
Define Probing Method for Pre-Planned Inspection	•	•			
Define Local Plane creation for Pre-Planned Inspection	•	•			
Automatic Geometric Tolerance Calculations in DRO during Live Capture	•	•			
Enhanced Progress indicator in DRO during LiveInspect	•	•			
Move Device Enhancement: Remove Outlier Points and Refit	•	•			
Move Device Enhancement: Export Transform Matrix	•	•			
New Probe Data Management to Remove Outlier Points and Recalculate	•	•			
X, Y, and Z components can be toleranced for Reference Geometry and Comparison Points	•	•			
X, Y, and Z components can be viewed for Linear Dimensions, Angular Dimensions, and Position	•	•			
ASCII Geometry Importer can import X, Y, and Z tolerances	•	•			
Simulated CMM Points are now compatible with Point Cloud data	•	•			
Deviation Location can now automatically measure Major Length and Minor Width	•	•			
Control X has a new Inspection Viewer mode when unlicensed	•	•			
Annotations Presets can be applied to each inspection object	•	•			
3D Sprint Files are supported for Import	•	•			
Automation Server supports trigger options for multi-scan automation	•	•			
Transform Measured Data has a new Datum Match option	•	•			
Coordinate Alignment provides discrete control of geometry priority					
Coordinate Alignment allows target position by definition					
Coordinate Alignment now clearly provides Degrees of Freedom information					
2D Section tools have been enhanced for performance					
Probe Two Intersecting Vectors			•		
Improved Mesh Topology During Scanning			•		
Improved 2D Construction Geometry from Cross-Section					
Redefine Construction Geometry as Reference or Measured					
Added Clipping Plane in LiveCapture					
Pair Probe Points with CAD in Pairing Manager			•		
Improved Pairing Map and Pairing Manager		•	•		
Enhanced ASCII Importing Workflow	•	•	•		
	•	•	•		
Scan Grouping in Model Manager	•	•	•		
Added Single Point Circle Option	•		•		

Acquire Probe Data from One Project to Another		-		
Due has Command the little workship Date France Others Coffee and		-		
Probe Compatibility with Data from Other Software	•	•		
Align Probe Data with Transform Measured Data	•	•		
Free Probe in LiveScan Added Cave Current Profile to Manage Licer Profiles	•	•		
Added Save Current Profile to Manage User Profiles Oction and Tabulan View	•	•		
Optimized Tabular View	•	•		
Updated Hardware Device Compatibility for AICON, Creaform, FARO, Kreon, Nikon, and RPS	•	•		
Added Progress Indicator during Auto-Update	•	•		
Enhanced Anonymous Usage Statistics	•	•		
Ref. Geometry Automatically Grouped for Reporting	•	•		
Added User Profiles	•	•	•	
New Deviation Location Feature	•	•	•	
New Airfoil Analysis	•	•	•	
New 2D Twist Analysis	•	•	•	
New Scan Process Automation Tools	•	•	•	
New Probe Location Tool	•	•	•	
Customize Metrology Standards	•	•	•	
Toggle On and Off Global Coordinate System	•	•	•	
Updated CAD File Import	•	•	•	
Support for WRP and GEODOC Files	•	•	•	
New ASCII Geometry Import	•	•	•	
Edit Geometry in Tabular View	•	•	•	
Pair and Unpair Geometry from Model Manager	•	•	•	
Construction Geometries in Model Manager	•	•	•	
Enhanced Result Navigator	•	•	•	
Improved LiveInspect	•	•	•	
Added Re-Align To Existing Measure Data Option in Replace Measured Data	•	•	•	
Enhanced Report Tools with 3D PDF	•	•	•	
Alignment Matrix Exported as CSV	•	•	•	
Automatic Regenerated Measured Geometries	•	•	•	
Tessellate CAD Option in Import Tool	•	•	•	
Performance Enhancements in Scan Pair Searching, Best Fit Aligning, 3D Compare, and Point Cloud Handling	•	•	•	
Automatic Error Reporting	•	•	•	
Added Reprobe Tool	•	•	•	•
Added GPD File Support	•	•	•	•
Improved Scanning and Scan Processing Performance	•	•	•	•
Improved Probing UX and Performance	•	•	•	•
Improved CAD Platform	•	•	•	•
Twelve Languages Added	•	•	•	•
Added Status Indicator for LiveScan and Replace Measured Data	•	•	•	•
Optimized Mesh Buildup Wizard	•	•	•	•
Edit Radius Size of Probe Data	•	•	•	•
Licensing Upgrade	•	•	•	•
Synchronous Inspection	•	•	•	•
Multiple Results System	•	•	•	•
Walk-up Probing	•	•	•	•
Repetable Probing Processes	•	•	•	•
Automatic Report Generation	•	•	•	•
CAD Aware Dimensioning and Tolerancing	•	•	•	•

