

Why upgrade to Geomagic Control X 2020?

New Features Comparison by Major Releases

NUMBENote:		Semage County	Gennager Control &	Generativ Control V.	Commander Control 1.
New Flexible Geometry Creation Methods in LiveGeometryINew P.C.D. (Bolt Hole Circle) Method to LiveGeometryIDeline Probing Method for Pc-Planned InspectionIDeline Local Plane creation for Pre-Planned InspectionIAutomatic Geometric Tolerance Calculations in DRO during Live CaptureIEnhanced Progress Mickator in DRO during Live CaptureIEnhanced Progress Mickator in DRO during Live CaptureIMove Device Enhancement: Export Transform MatrixINew Probe Data Management to Remove Outlier Points and Recia CulateINew Probe Data Management to Remove Outlier Points and Recia CulateINew Probe Data Management to Remove Outlier Points and Recia CulateINew Probe Data Management to Remove Outlier Points and Recia CulateINew Probe Data Management to Remove Outlier Points and Recia CulateINew Probe Data Management to Remove Outlier Points and Recia CulateINew Probe Data Management to Remove Outlier Points and Recia CulateINew Probe Data Management to Remove Outlier Points and Recia CulateINew Probe Data Management to Remove Outlier Points and Recia CulateISimulated CMM Points are now compatible with Point Cloud dataIDeviation Location can now automatically measure Major Lengah and Minor WidthIDeviation Data Simulate Scane Simulates Can automationITransform Measured Data has a new Datum Match OptionICoordinate Alignment provides discrete control opticsIData Simulate Align menet prove Ompatible with Point Construction Geometry provides					
New PC.D. (Bolt Hole Circle) Method to LiveGeometryImage of the construction of the Planned InspectionImage of the planned Inspection of the planned Inspection Planned	NEW FEATURES	V 20.0	V 18.1	V 18.0	V 17.0
Define Probing Method for Pre-Planned InspectionImage: Planned InspectionImage: Planned InspectionAutomatic Geometric Tolerance Calculations in DRO during Live CaptureImage: Planned Planned InspectionImage: Planned Planned InspectionMove Device Enhancement: Remove Outler Points and RefitImage: Planned Planned Planned InspectionImage: Planned Plan	New Flexible Geometry Creation Methods in LiveGeometry	•			
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Redefine Construction Geometry as Reference or Measured••••••Added Clipping Plane in LiveCapture••••••Pair Probe Points with CAD in Pairing Manager••••••Improved Pairing Man Pairing Manager••••••Enhanced ASCII Importing Workflow••••••Scan Grouping in Model Manager••••••Added Single Point Circle Option••••••Acquire Probe Data from One Project to Another••••••Probe Compatibility with Data from Other Software••••••Align Probe In LiveScan••••••	Improved Mesh Topology During Scanning	•	٠		
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Pair Probe Points with CAD in Pairing Manager•••	Redefine Construction Geometry as Reference or Measured	•	٠		
Improved Pairing Man dPairing Manager••<	Added Clipping Plane in LiveCapture	•	٠		
Enhanced ASCII Importing Workflow●●Scan Grouping in Model Manager●●Added Single Point Circle Option●●Acquire Probe Data from One Project to Another●●Probe Compatibility with Data from Other Software●●Align Probe Data with Transform Measured Data●●Free Probe in LiveScan●●	Pair Probe Points with CAD in Pairing Manager	•	•		
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Probe Compatibility with Data from Other Software ● Align Probe Data with Transform Measured Data ● Free Probe in LiveScan ●	Added Single Point Circle Option	•	•		
Align Probe Data with Transform Measured Data • • • • •	Acquire Probe Data from One Project to Another	•	٠		
Free Probe in LiveScan • •	Probe Compatibility with Data from Other Software	•	•		
	Align Probe Data with Transform Measured Data	•	٠		
Added Save Current Profile to Manage User Profiles	Free Probe in LiveScan	•	٠		
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Updated Hardware Device Compatibility for AICON, Creaform, FARO, Kreon, Nikon, and RPSAdded Progress Indicator during Auto-UpdateEnhanced Anonymous Usage StatisticsRef. Geometry Automatically Grouped for ReportingAdded User ProfilesNew Deviation Location Feature	• • • • • • • • • • • • • • • • • • •	• • • •		
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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	•	•	•	•