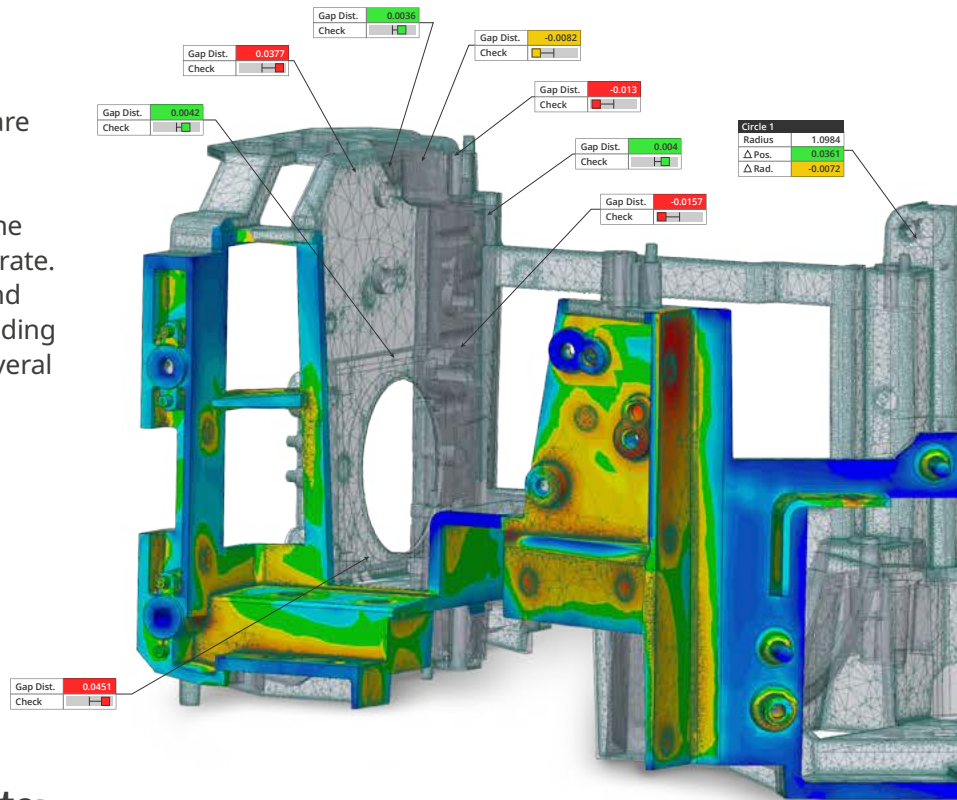


Introducing Geomagic® Control X™ 2018

Measure. Understand. Communicate.

The newest release of **Geomagic® Control X™** gives you the power to measure, validate and report real world parts using advanced software inspection tools. Geomagic Control X 2018 combines familiar and powerful inspection tools with streamlined workflows that make the inspection process even faster and more accurate. Geomagic Control X 2018 cuts model setup and evaluation times by more than 50% versus leading competitors. This latest release focuses on several aspects of the inspection process from virtual probe representation to advanced Aerospace applications.

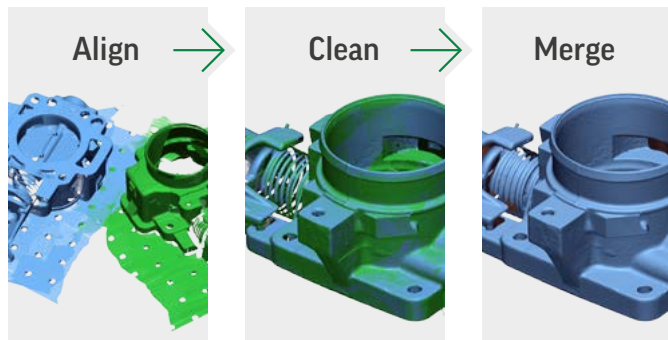


New Features & Enhancements:

Scan Processing Automation

Scan registration, merging, clean-up, and other pre-inspection processes can now be designed and automated within Geomagic Control X.

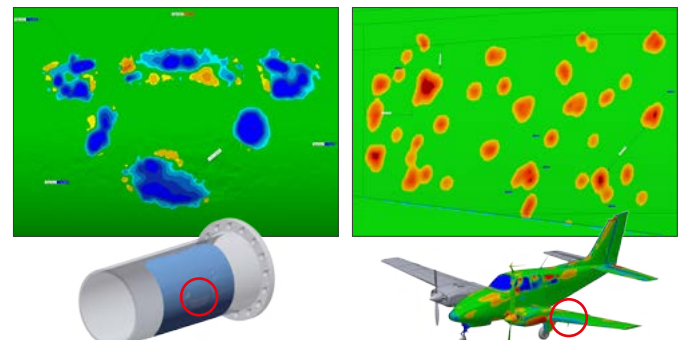
- Implement automated processes individually, automatically, and/or in batches
- Create custom scan workflows specific to scanners or routines



Deviation Location

With Geomagic Control X 2018 you can analyze the size, shape and location of deviation groups.

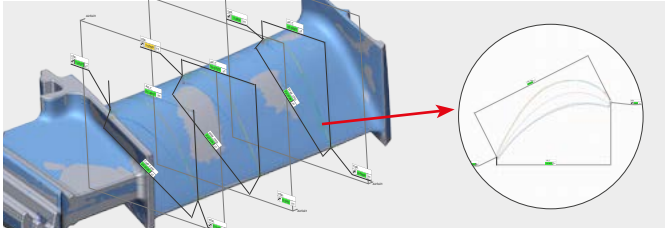
- Quickly identify and measure surface deviation, including dents, corrosion, and other types of wear
- Automatic measurements allow for quick and turn-key inspection



Airfoil Analysis

Whether you are working on turbines, blisks, blings or blades, Geomagic Control X 2018 provides a fast and intuitive way to gather profile measurements.

- Create profile measurements both automatically, or using custom methods
- Includes Twist Analysis



Multi-Alignment Inspection

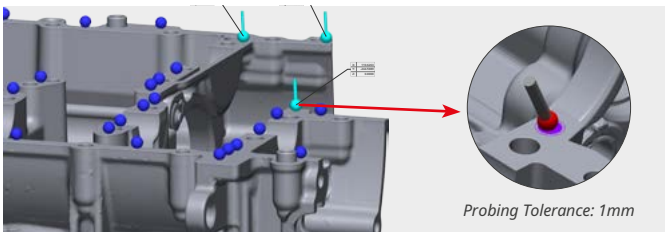
The new Multi-Alignment Inspection capability allows you to create repeatable inspection routines that require measurement in different alignment environments. This is especially useful when inspecting parts that could have large deformations such as sheet metal, or long-range applications like bowed structures.

- Auto-create geometry and measure between features using different alignment schemes
- Repeatable set up allows for automated inspection of the most deformed parts such as sheet metal or plastic molded components

New and Enhanced Probing Features

With Geomagic Control X 2018, inspection with a portable CMM device has been updated to provide more methodical and repeatable inspection routines.

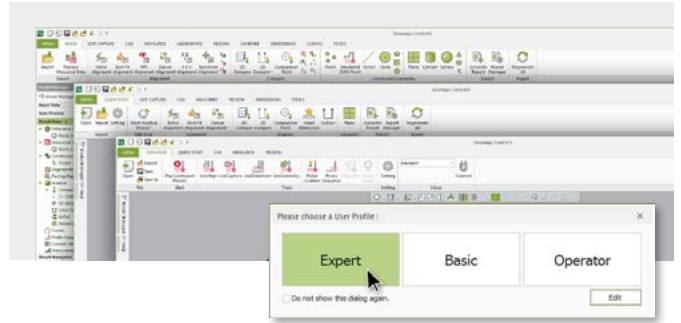
- Create well-defined, repeatable probing procedures by guiding locations and sequences
- Geomagic Control X's LiveInspect feature intuitively guides users to acquire points in designated locations for Comparison Points and Simulated CMM Points.
- On-demand DRO style probe location readings provide real time information for jig and fixture workflows



Enhanced UI/UX

Geomagic Control X sports a fully enhanced user interface enabling even faster workflows and more efficient inspection.

- New Custom Profile feature allows users to create user-specific interfaces and settings increasing usability and simplifying interaction
- Reference Geometry can now be created and paired with contextual shortcuts enhancing no-CAD as well as general workflows
- Users have new control over dimensional annotations such as arrows and center marks
- Dimensional tolerances can be automated based on ISO-compliant parameters



Enhanced Scanning and Import Capabilities

File import capabilities have been enhanced in Geomagic Control X 2018, providing the latest connectivity to scanning devices and improved CAD importing on even the most challenging reference models.

- New and updated integration with popular metrology devices from Faro, Hexagon, Creaform, Nikon, Solutionix, and more
- Legacy Control Files can now be imported
- Updated CAD import provides more reliable import of CAD files
- ASCII reference Geometry importer enables users to import geometry from simple text-based formats
- Improved architecture that uses up to 37% less memory when handling scan data

Reporting

Reporting has been enhanced giving users more tools to easily create inspection reports

- Data table templates allow for more flexible reporting
- Result Navigator information can be inserted into reports
- Users can now export into a 3D PDF format
- Algorithm improvements that decrease calculation times by ~33%



Find out more at: www.3dsystems.com/software/geomagic-control-x

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