What's New in 3DCS?!

8.1.0.1

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8.1.0.1 - August 2024

Below are a list of changes, enhancements and resolved issues based on the entire 3DCS suite or a specific CAD system available with 3DCS. Please review the list of changes and don't hesitate to ask about a specific change.

<mark>Any text written with a teal highlight refers to any Simulation Output change</mark>. In other words, some calculation changes were made to either a distribution, a measurement output or DLL result. This could result in minor changes to a previous Model Simulation output.

What's New pages:
Advanced Analyzer and Optimizer

Compliant Modeler

3DCS Mechanical

Visualization Export

Batch Processor

Enhancements

Hide/Show Points: Hide/Show Points and Mesh function has been improved. Users can Hide/Show Points and Mesh on specific Parts or sub-assemblies. (74608)

Measures
- <mark>Fixed the Feature Angle measure to show stacked angle GD&T; this works similar to how the Dimensioning Location will work if stacked. (73845)</mark>

Dialogs
- The Simulation Window will now instantly update the Measure when the Variant is switched in the Analysis Summary Dialog. (74572)
- Fixed a crash when creating a Point-Based feature. (74519).

Features
- Fixed various issues when creating a Point with a Circle Tolerance. (74559)

Read/Write Excel

- Read and Write Excel can now be done from the branched part or subassembly.

  (74581)

Issues Resolved for 3DCS in Creo:

Internationalization
- Fixed to show Chinese character throughout the Toolbar. (74596)

Extract GD&T
- When a Size Tolerance exists on a Slot or Tab feature, with a datum, 3DCS will correctly extract the Size Tolerance as a Dimensioning Location tolerance, with the datum as the origin. (74649)
- Fixed a crash when Extracting GD&T with Smart Search on unlinked features. (74518)

Issues Resolved for 3DCS in NX:

General
- 3DCS has been updated to integrate with NX 2406, starting from release version 8.1.0.1

Display
- Reverted the size of the 3DCS Labels back to using a larger size. The size of the labels should be more visible with higher resolution monitors. (74482)
- Resolved the issue where 3DCS Animate was disrupting NX arrangements. (73944)

Extract GD&T
- When a Size Tolerance exists on a Slot or Tab feature, with a datum, 3DCS will correctly extract the Size Tolerance as a Dimensioning Location tolerance, with the datum as the origin. (74649)

Internationalization
- Changing the language in 3DCS to Chinese will show Chinese throughout all of the 3DCS Toolbar. (74596)

Features
- Fixed a Master/Associative feature issue when Extracting Moves or GD&T. (74506)

Issues Resolved for 3DCS in SOLIDWORKS:

Extract GD&T
- When a Size Tolerance exists on a Slot or Tab feature, with a datum, 3DCS will correctly extract the Size Tolerance as a Dimensioning Location tolerance, with the datum as the origin. (74649)

Issues Resolved for 3DCS in CATIA V5:

Update Model
- Fixed an issue when editing Points by double-clicking on the point in the graphics window. Editing the Points this way will now correctly update the point's location and direction instantly. (74616)

Extract GD&T
- When a Size Tolerance exists on a Slot or Tab feature, with a datum, 3DCS will correctly extract the Size Tolerance as a Dimensioning Location tolerance, with the datum as the origin. (74649)

Dialog:
- The Export CGR function, within the Spec Study dialog, will correctly open the dialog to export the Measures to CGR. (74603)

Issues Resolved for 3DCS in 3DEXPERIENCE:

Update Model
- Fixed an issue when editing Points by double-clicking on the point in the graphics window. Editing the Points this way will now correctly update the point's location and direction instantly. (74616)

Extract GD&T
- When a Size Tolerance exists on a Slot or Tab feature, with a datum, 3DCS will correctly extract the Size Tolerance as a Dimensioning Location tolerance, with the datum as the origin. (74649)

Dialog:
- The Export CGR function, within the Spec Study dialog, will correctly open the dialog to export the Measures to CGR. (74603))

Issues Resolved 3DCS Multi-CAD:

No changes were made for Multi-CAD in 8.1.0.1.