



## What's New in 3DCS?!

7.10.0.2

# What's New in 3DCS!

7.10.0.2 - January 2023

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.

Any text written with a teal highlight refers to any Simulation Output change. 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

### Moves

- The Run Log displays the correct number of hole diameters to allow the Pattern move to build the parts. (71560)

### Compliant

- The Edit Direction button is added to the Join move to allow editing all directions in one dialog. (71916)
- LoadFEA move now reads correctly the \*.lis file generated from ANSA \*.cdb file. The error was occurring when the command "/GO" was missing from the ANSA \*.cdb file. (72094)
- StiffGen now adds ASET points into the modified ANSYS input file created by ANSA. (72093)
- The nodes coordinates reading for the Ansa cdb mesh file is now corrected to read all the digits. (72089)

- The initial temperature is now taken into account when generating the Thermal load file with Optistruct (v 2022.1). (71657)
- Reaction force option is reintroduced to help separate the results for the Reaction Force vs Nodal Force which includes gravity or thermal forces as well. (71591)
- Reaction force calculation corrected to match FEA results. (71134)
- Contact move clears interference at all pairs now. (70261)

## **Issues Resolved for 3DCS - Creo:**

### **General**

- Fixed an issue with saving the model where Part's Parents was not getting saved correctly. (71845)
- A Renamed Part will now be saved in the model even if it does not have any 3DCS data. (71200)

## **Issues Resolved for 3DCS - NX:**

### **Compliant**

- The crash that was happening when clicking the 'plus' sign in the FEA Linking is now resolved. (72081)

## **Issues Resolved for 3DCS - SOLIDWORKS:**

**No changes were made to the 3DCS integrated SOLIDWORKS platform for 7.10.0.2.**

## **Issues Resolved for 3DCS: CATIA V5:**

### **General**

- Fixed an issue with creating Points and MTMs in an empty Product. The issue was: when a point is created and Updated Model is performed, the Points and any MTM created in the empty Product will disappear. (71444)

### **Points**

- Fixed an issue when changing a Point from a non-Feature of Size to a Feature of Size, using the Circle Tolerance, will now correctly be saved when saving the model, regardless of selecting Update Model or not. (71670)

## **Issues Resolved for 3DCS for 3DEXPERIENCE:**

**No changes were made to the 3DCS integrated 3DEXPERIENCE platform for 7.10.0.2.**

## **Issues Resolved - Multi-CAD:**

**No changes were made to the 3DCS integrated Multi-CAD platform for 7.10.0.2.**