



Change Notes: CADfix 12/SP2

(DX, CAE)

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1. Release Status

Supported Platforms and Operating Systems: Windows 10 64 bit and Red Hat RHEL6

2. Import/Export

- ACIS Import & Export versions up to 2021(31) on Windows, Linux remains at 29.
- AutoCAD DWG/DXF import & export versions up to 2021.
- CATIA V5 Import & export versions up to V5-6 2021 Windows only.
- CONVERGE CHT Basic and Advanced export option added to Windows and Linux.
Facet quality checking added.
- FBX Import & export added to Linux.
- glTF Import & export added to Linux and Windows.
- IFC Import added to Linux.
- Inventor Import versions up to 2021 on Windows, Linux remain at 2019.
- JT Open / PLMXML Import & export versions up to 10.8 on Windows, Linux remain at 8.5.
(Includes Daimler Compliant 10.5 with STT).
- Microstation DGN Import beta interface on Windows and Linux.
- NX Import versions 1953 on Windows, Linux remains at 12.
- OBJ Facet quality checking added.
- Parasolid Import & Export versions up to 33 on Windows, Linux remains at 31.
- SolidWorks Ability to import selected configurations.
- STL More robust meshing algorithm. Facet quality checking added.
- XGL/ZGL Import added to Linux.

3. Assemblies

Build-assembly automatically instantiates topologically matching parts to create an assembly structure.
Faster opening of nodes in the tree and restoration of selection when switching between the Model tree and Assembly tree tabs.

4. Graphical user interface

Transparency setting shown as an icon with pre-set values.

Dialogue-boxes values made more readable by reducing to 3 significant figures.

5. Mass-properties reporting

Mass-properties report now available in user friendly HTML format.

User defined threshold value used to highlight model deviation.

Tracking of bodies with grouped mass-property values for each Wizard stage.

6. Defeaturing

Enhances hole removal capabilities now includes holes with split-caps.

Enhances protrusion removal capabilities now includes protrusions with split-bases.

Hole/protrusion removal updated to remove engraved and raised lettering.

7. Repair

Update added to identify and resolve over-used vertices.

Updated help for 'Non-manifold shell' and 'Over-used vertex'.

8. Licensing

FlexNET licensing version updated to 11.16.4 to provide enhanced license communication security.

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