

Release Date: 22 July 2011

Availability Matrix: See "CADfix 8.1 Product Availability" document

Release Status

- ACIS R21, CATIA V5 R20.2, Unigraphics NX7.5, Pro Pro/E Wildfire 5, SolidWorks 2010
- Inventor 2011, DXF/DWG up to AutoCAD 2010, CADD5i R15 (R16 import on Windows)
- CADfix no longer supports HP HP-UX

Import/Export Enhancements

- CATIA V4 SOLIDM import/export as facted solids and support for assemblies as DITTOS
- CATIA V5 export for hybrid Part Body, assigned labels and assembly as single CATpart
- DXF 3D mesh support plus reading and writing of facted solids
- JTOpen import and export available for non-consortium members

GUI Enhancements

- Improvements in assembly handling and manipulation
- New message centre tool to replace multiple info/warning pop-ups
- New simplified display tools more in-line with traditional CAD systems
- New image capture tool and improvement to spin centre selection
- Extra visual and selection support for chains of lines and zones
- New Application tab for support of facets, zones and sources

Wizard Process

- Preference settings for units and tolerance limit
- Extended feature removal facilities during batch operations including the use of sets
- Improved face and body joining

Diagnostics/Interactive Repair

- Expand results Diagnostics tree to process individual entities targeting results
- New drill-tip removal for the bottom of blind holes
- New tool for creating ruled shapes and shape intersections
- High aspect ratio face fix and global speed rate parameterisation check

Defeaturing/Simplification

- New split face by shelling tool
- New external visibility filter facility
- New and improved Face and Body Joining
- New Body welding option to build bodies across a gap between two sets of faces
- New geometry build sweep of point, line and face to create higher order entities

General

- Improved graphics performance for large models
- Change ISO view to CAD standard
- New option toolbar to rotate view up and down
- STL manipulation tools and facet size control with sources
- Mass properties of faceted models
- Linux-Windows bi-directional database converter
- Overhaul of FLEXIm licence heartbeat logic