

CADfix PPS 3

"What's new"

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- Import
 - Support for latest CAD versions
 - New ability to merge models
 - New auto clean-up during import
- Export
 - New CATIA V5 (BREP+CGR)
 - Support for latest CAD versions
- Attributes
 - Support for transparency
- Batch
 - New option to use a saved keep list

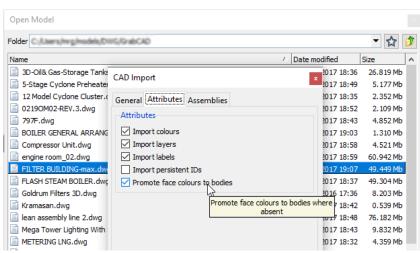
- Auto-simplification
 - Improved results and performance
 - New save/load of a keep list
- Manual tools
 - New extrude face tool
 - New facet decimation tool
- GUI
 - New layout
 - New model progress tool
 - Faster display and selection
- Documentation
 - New html help manual



Import

- Latest CAD versions supported:
 - DXF/DWG 2019
 - SolidWorks 2020
 - SolidEdge 2020
 - CATIA V5 R2020
 - NX 1847
 - Creo 6.0
 - ACIS 2020 1.0
 - Parasolid 32.0
 - JTOpen 10.5

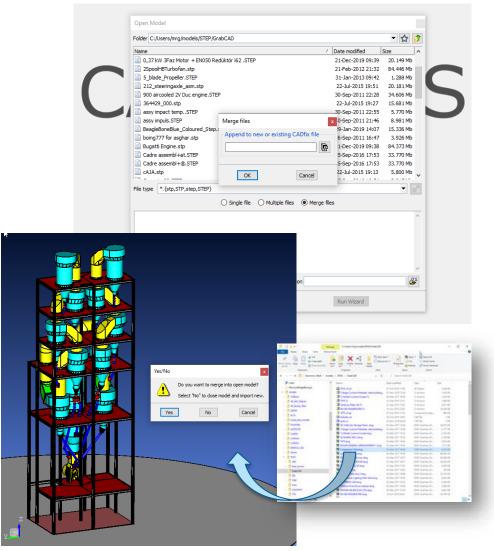
- Closed surfaces split during import - improved model shading
- Import of transparency attribute
- Faster Creo import
- New import option to promote face colours to bodies





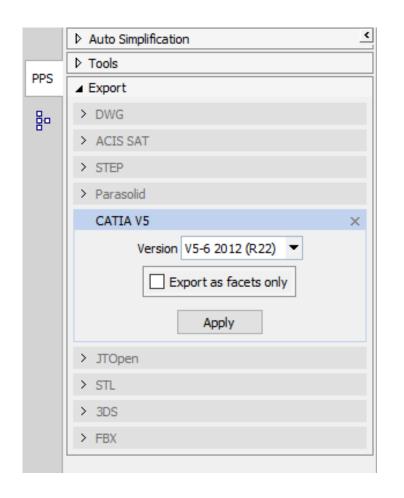
Import

- New support for merging models
 - Merge multiple files during import
 - Merge files into open session
 - Drag-n-drop support
- Enables re-use of pre-simplified parts – avoid repeating work



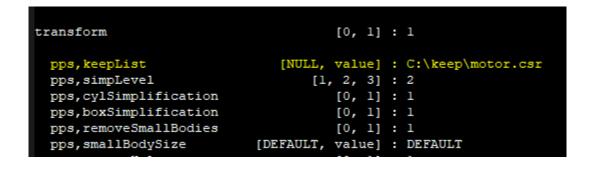
Export

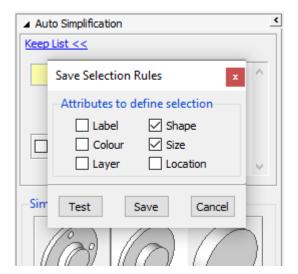
- Latest CAD versions supported:
 - DXF/DWG 2019
 - ACIS 2020 1.0
 - Parasolid 32.0
- Export of transparency attributes
- New export to CATIA V5
 - Export geometry or facets



Batch

- New option to define a keep list for use in a batch run
- Keep list file generated from new PPS GUI Tool

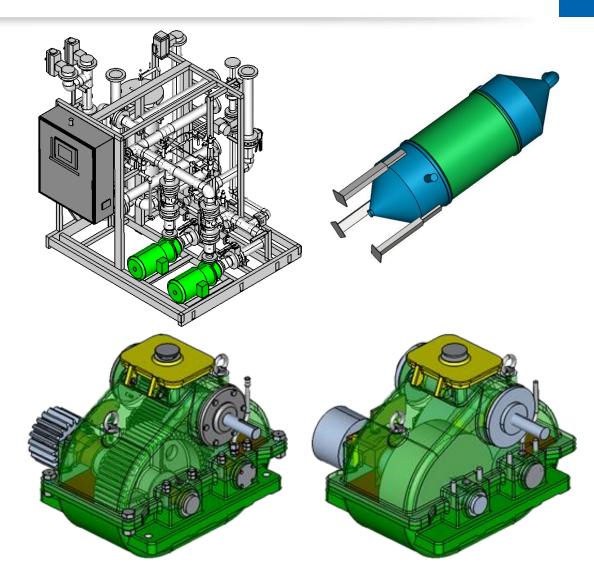






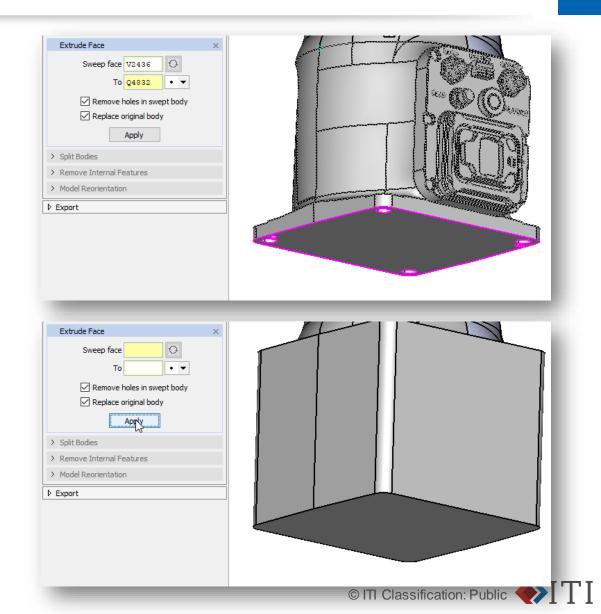
Auto-simplification

- Improved simplification of pipe runs
- Preservation of small bodies in a pipe run
- Improved extraction of domed endcaps
- Preservation of conical end-caps
- Improved simplification of gear wheels



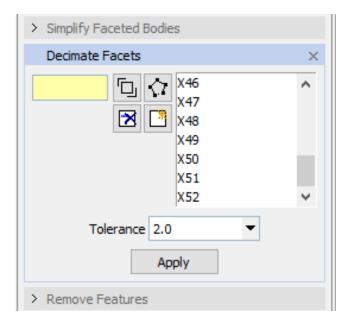
Manual Tools

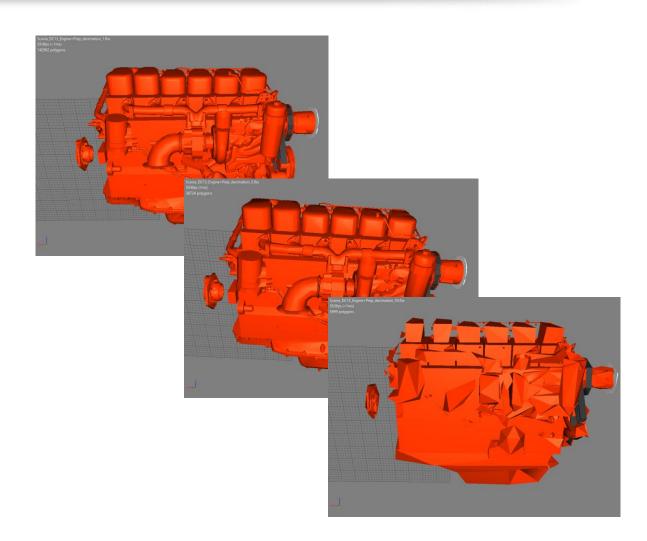
- New extrude face tool
 - Redefine a complex body by sweeping a face
 - Option to sketch the sweep face from a loop of edges
 - Option to remove holes in sweep face
 - Option to retain existing body and make new body



Manual Tools

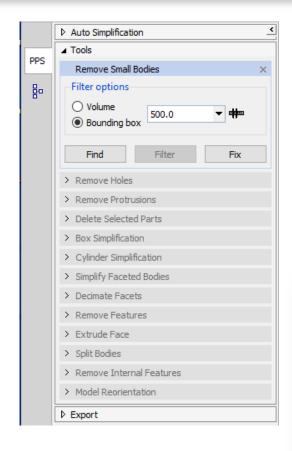
- New facet decimation tool
 - Reduce facet count while maintaining visual resolution

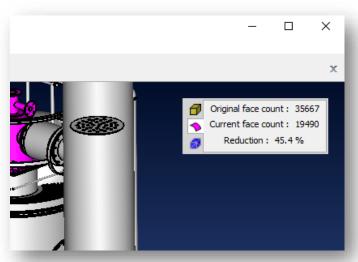




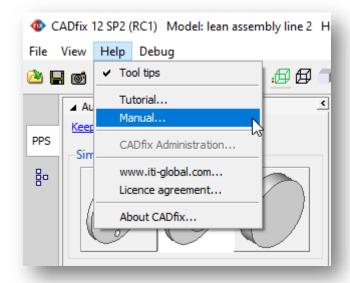
GUI

- New layout
 - Less mouse movement
 - Cleaner style
- New progress status tool
 - % reduction indicator
 - Face, body and facet %s
- Faster display re-paints

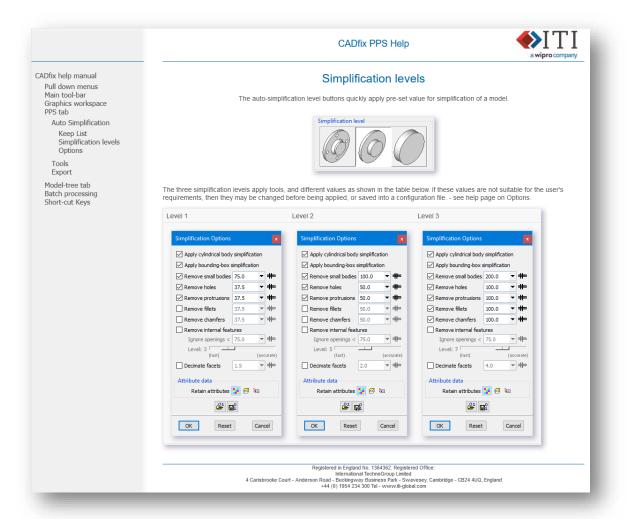




- Documentation
 - New HTML help manual



Updated tutorial





Thank you!

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