CADfix PPS 3
"What's new"

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CADfix PPS 3 Summary

- 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

CADfix PPS 3 Summary

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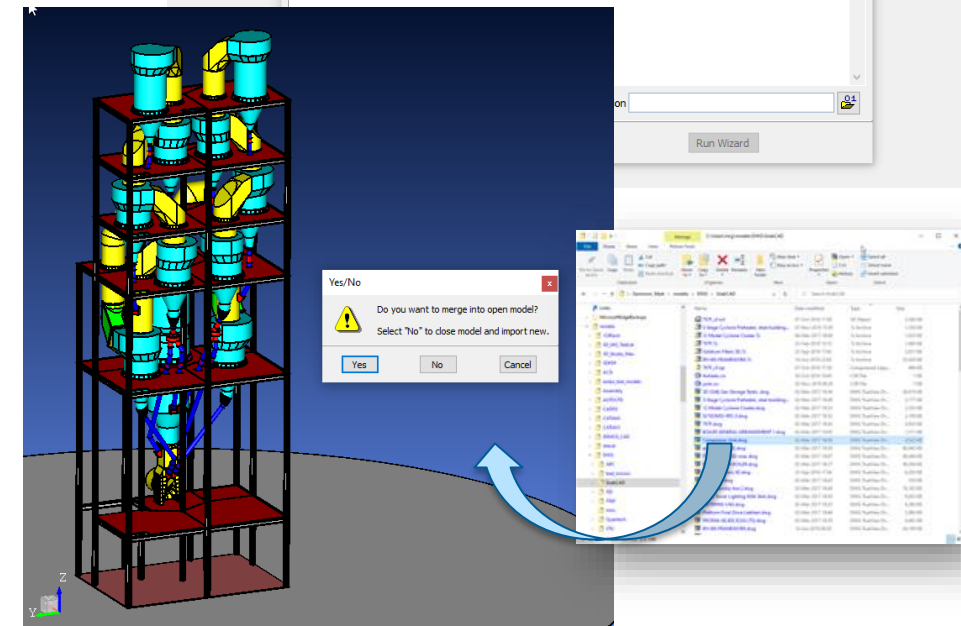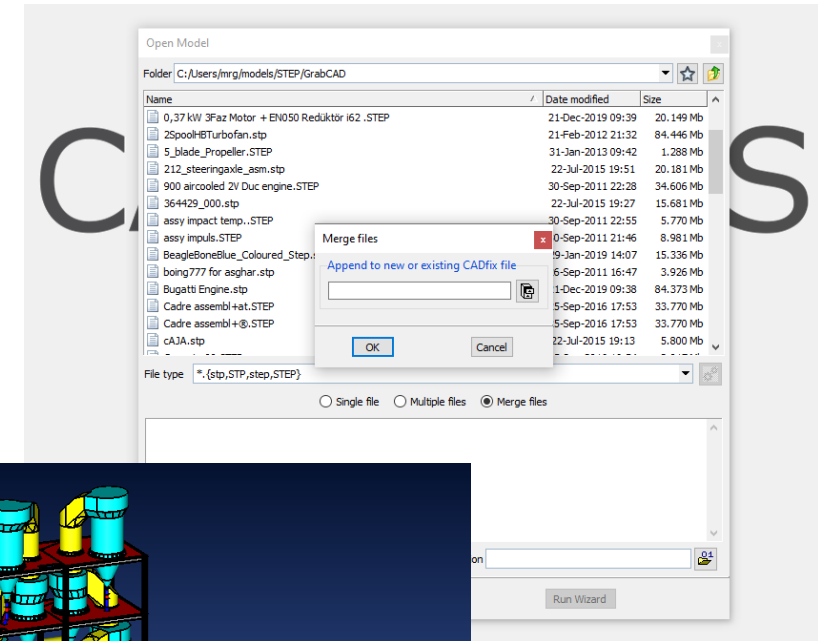 - Latest CAD versions supported:
    - DXF/DWG 2019
    - SolidWorks 2020
    - SolidEdge 2020
    - CATIA V5 R2020
    - NX 1847
    - Creo 6.0
    - ACIS 2020 1.0
    - Parasolid 32.0
    - JTOpen 10.5

  - Closed surfaces split during import - improved model shading
  - Import of transparency attribute
  - Faster Creo import
 - New import option to promote face colours to bodies
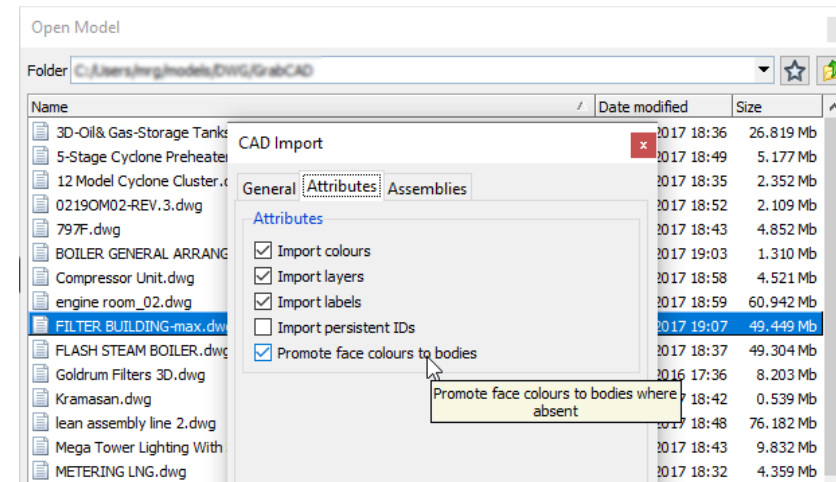
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- Import
  - New support for merging models
    - Merge multiple files during import
    - Merge files into open session
    - Drag-n-drop support
  - Enables re-use of pre-simplified parts – avoid repeating work

CADfix PPS 3 Summary

- 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
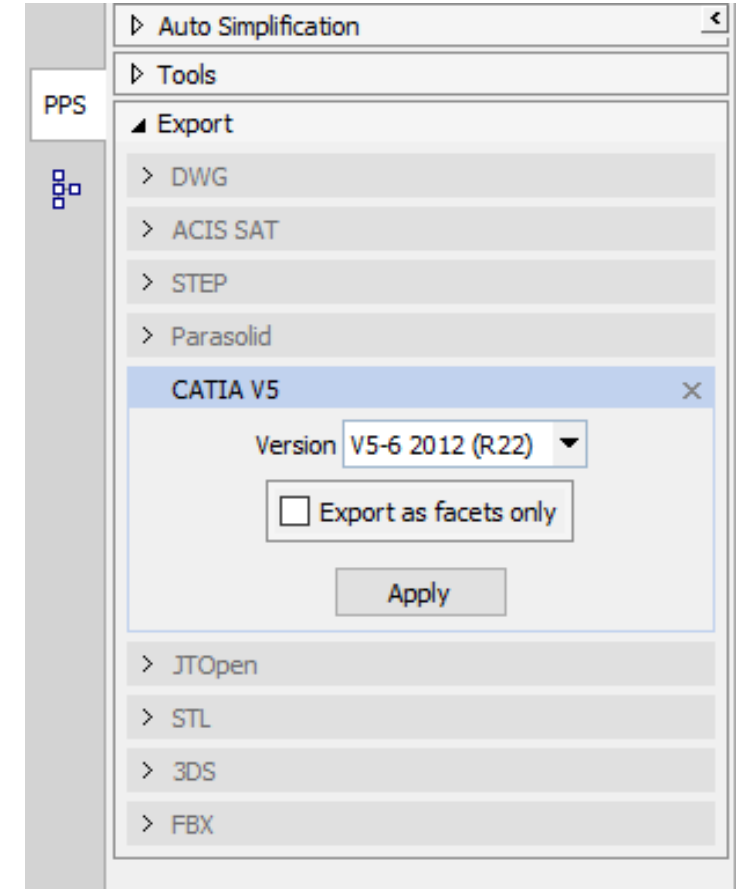
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- ## Batch

  - New option to define a keep list for use in a batch run

  - Keep list file generated from new PPS GUI Tool
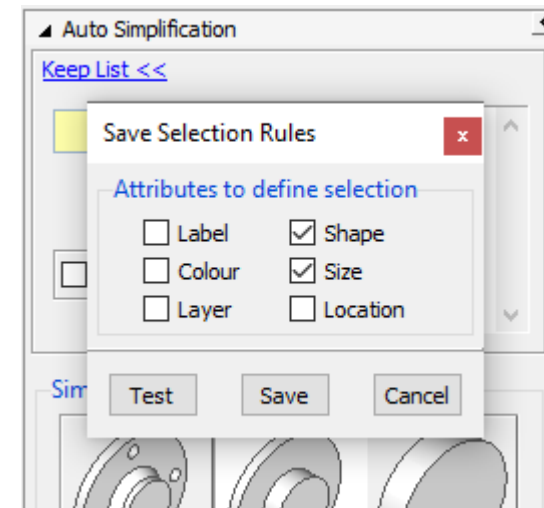
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- ## Auto-simplification

  - – Improved simplification of pipe runs
  - – Preservation of small bodies in a pipe run
  - – Improved extraction of domed end-caps
  - – Preservation of conical end-caps
 - – Improved simplification of gear wheels
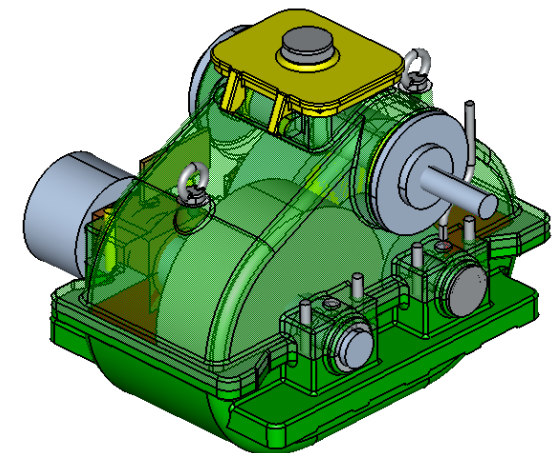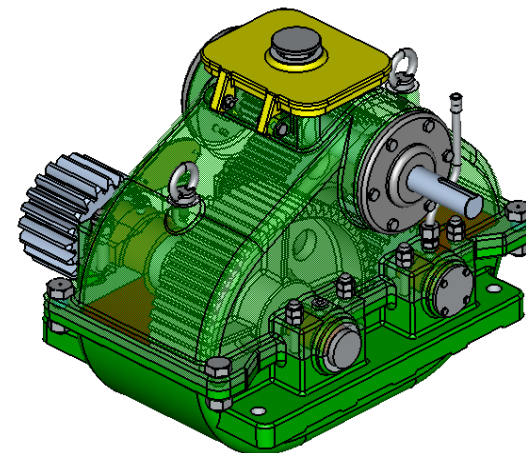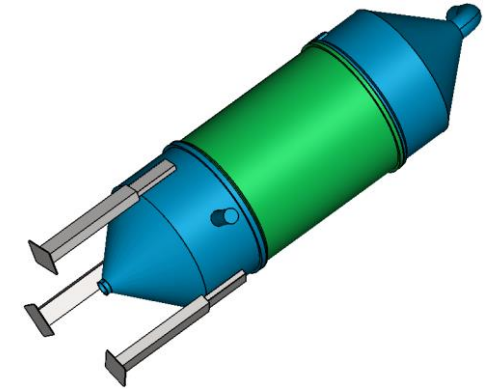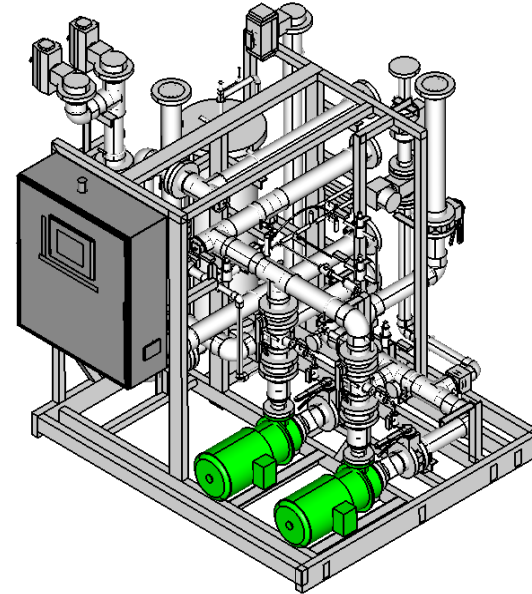
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- ## Manual Tools
  - ### New extrude face tool
    - Redefine a complex body by sweeping a face
    - Option to sketch the sweep face from a loop of edges
    - Option to remove holes in sweep face
    - Option to retain existing body and make new body
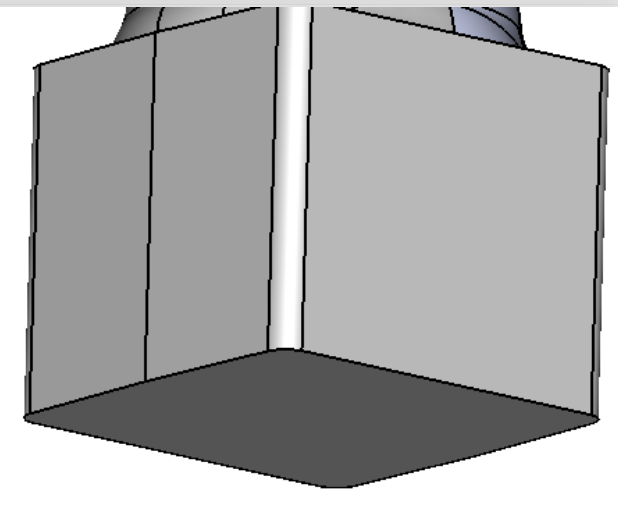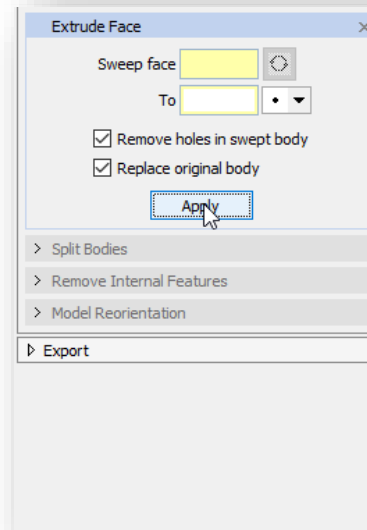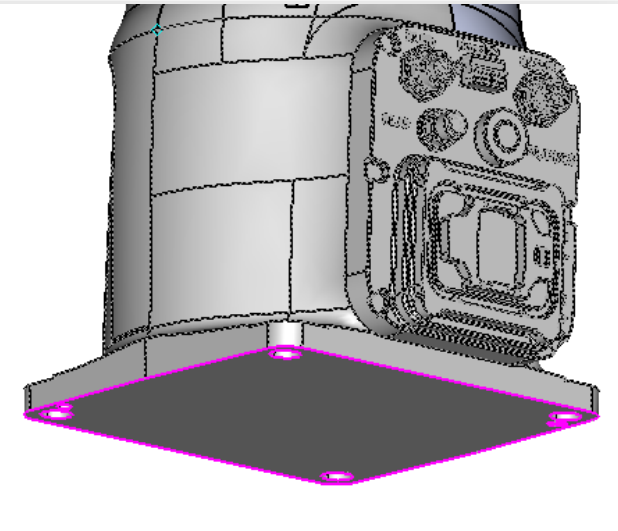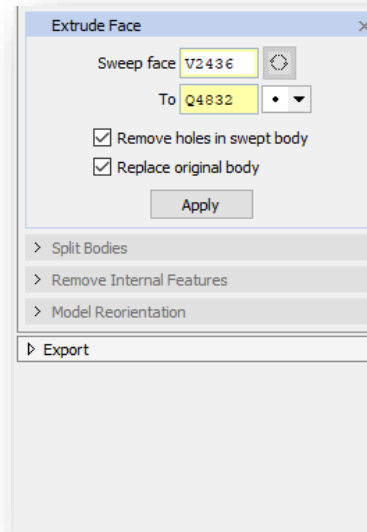
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- Manual Tools
  - New facet decimation tool
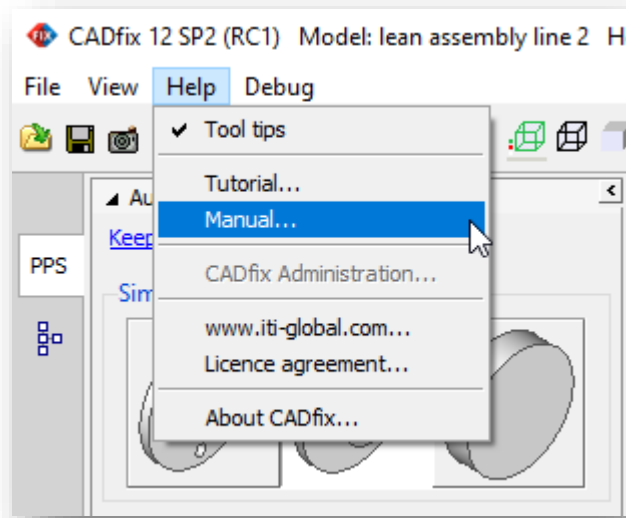   - Reduce facet count while maintaining visual resolution
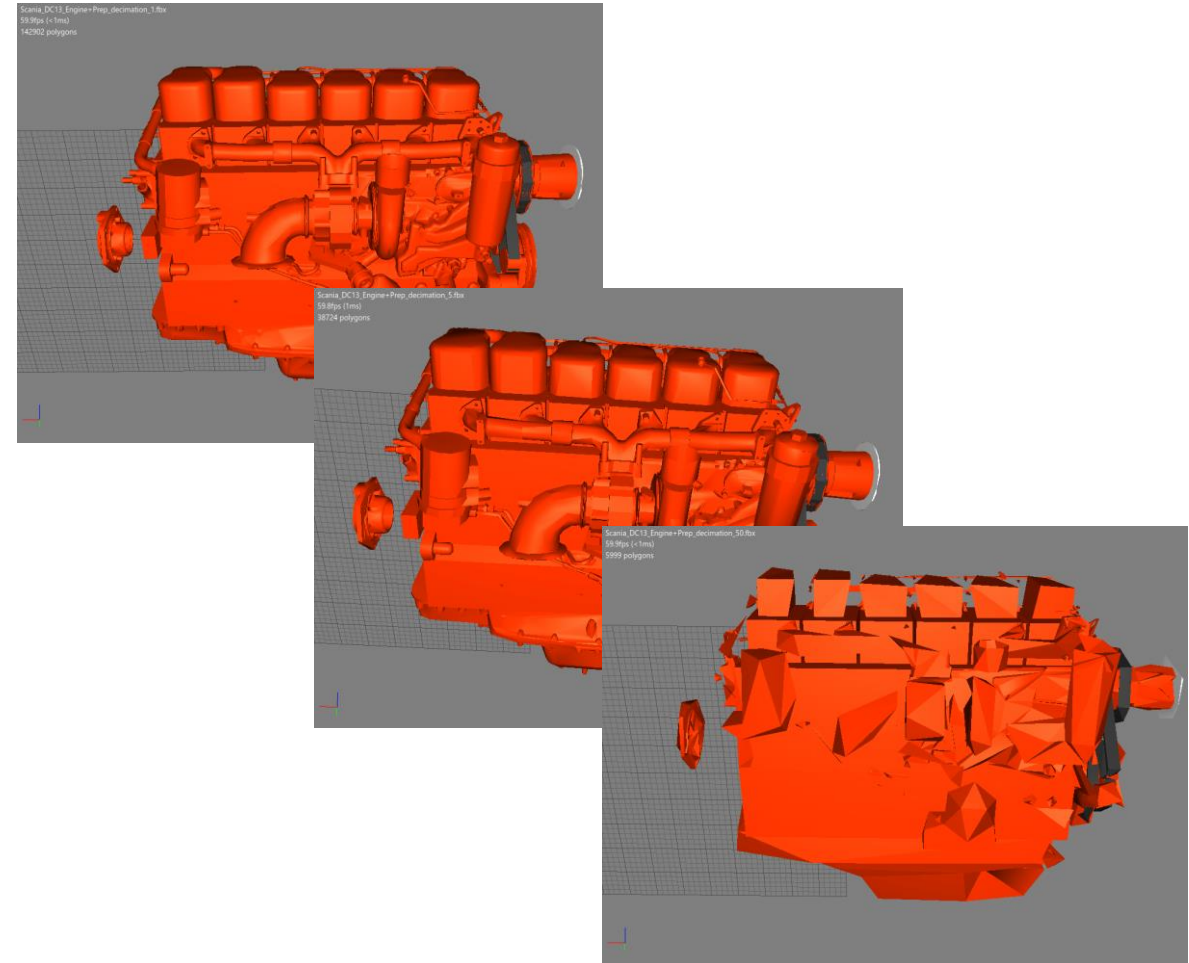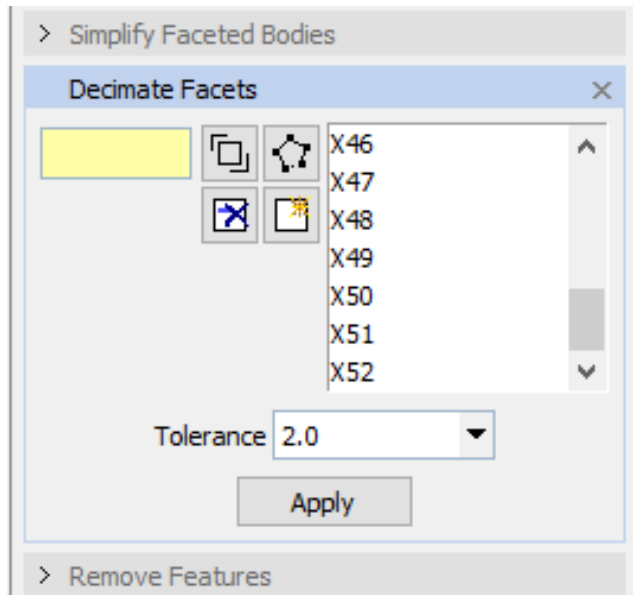
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- ## GUI
  - New layout
    - Less mouse movement
    - Cleaner style
  - New progress status tool
    - % reduction indicator
    - Face, body and facet %s
  - Faster display re-paints
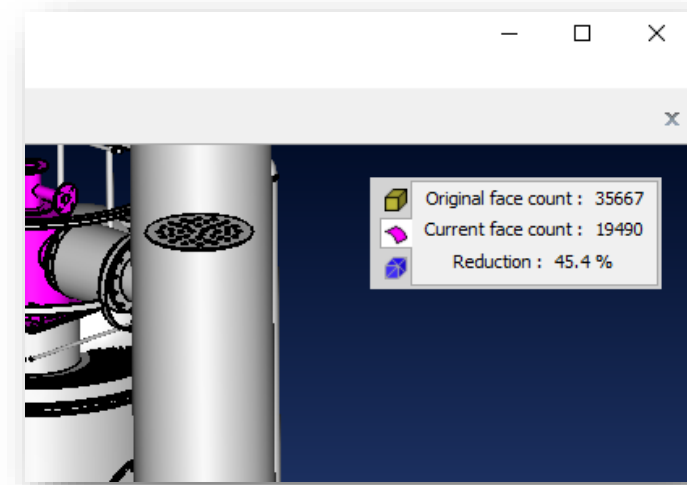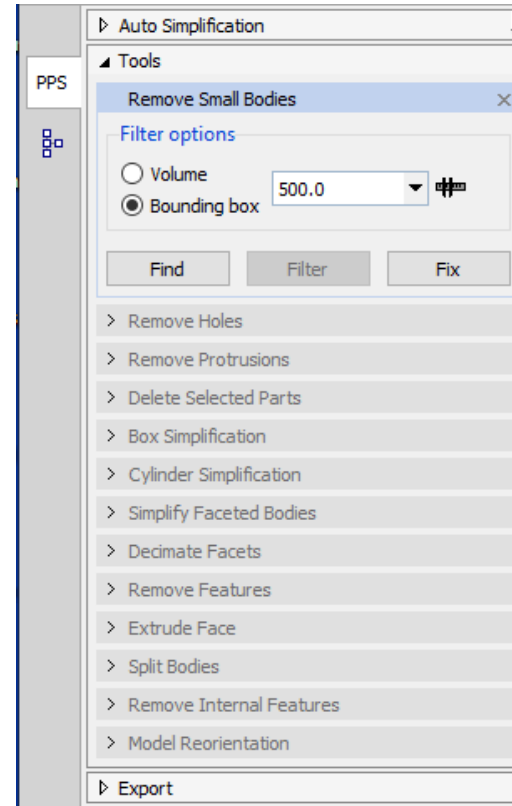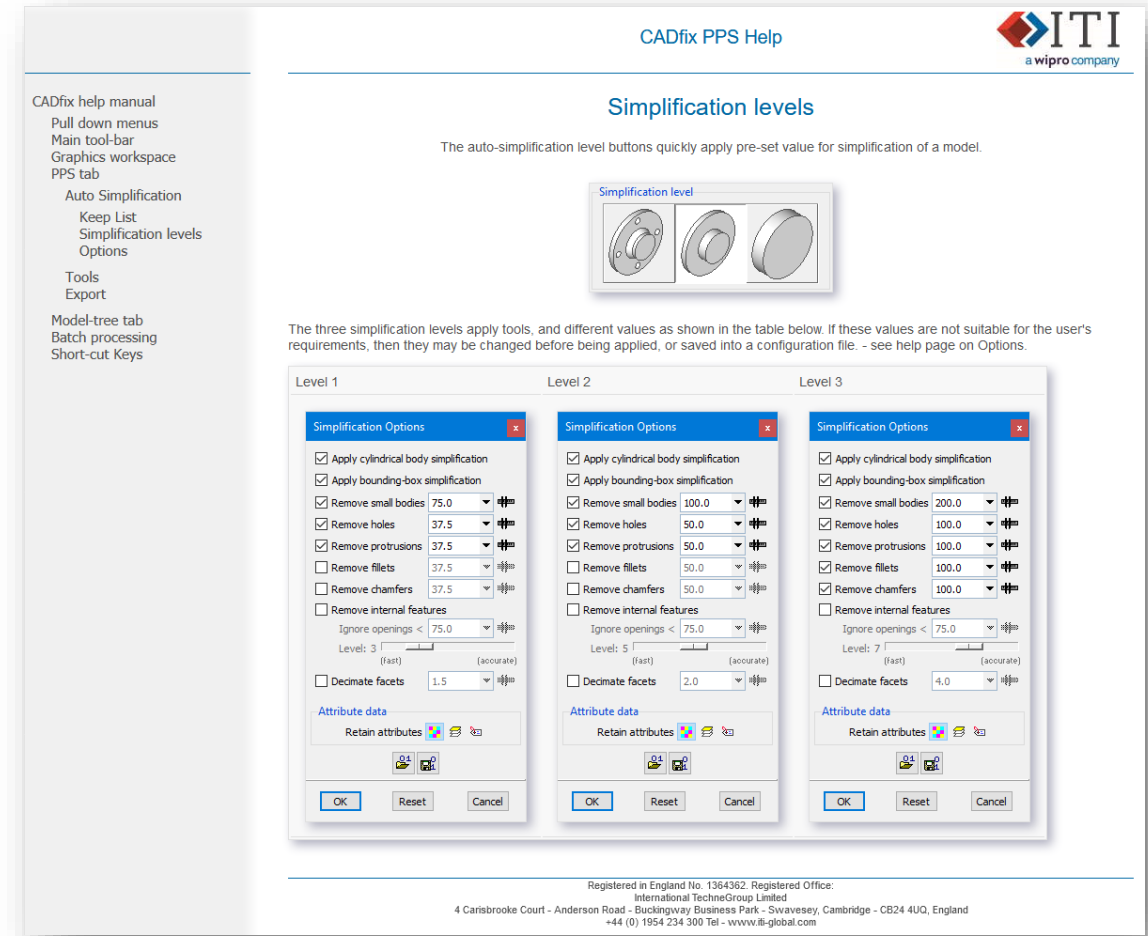
CADfix PPS 3 Summary

- Documentation
  - New HTML help manual

  - Updated tutorial

Thank you!

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