ITI NEWS – FOR IMMEDIATE RELEASE

ITI launches the latest release of CADfix PPS 4

Milford OH, November 7, 2022 - Global interoperability solution provider International TechneGroup Incorporated (ITI), is pleased to announce the release of CADfix PPS 4, the latest version of its CAD model simplification and file size reduction software. CADfix PPS helps plant and process, power industry, marine and offshore engineers achieve up to 80% reduction in engineering design labor and costs associated with CAD model simplification.

CADfix PPS 4 sees advances in all areas of the product with a focus on enabling users to simplify large equipment assembly models more effectively. Highlights include improved and faster automatic model simplification with new Smart Deconstruction technology, extensive new manual simplification tools, and updated CAD interfaces.
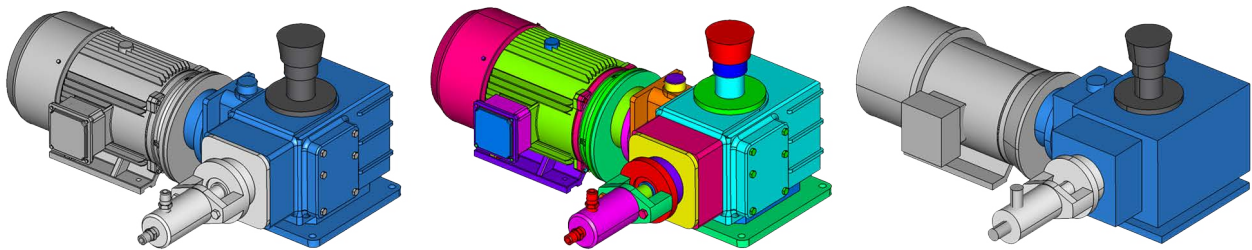

Fig 1. CADfix PPS intelligent automatic deconstruction and simplification of complex CAD assemblies

The CADfix PPS automatic simplification Wizard has been given a significant overhaul. A new Smart Deconstruction feature automatically splits complex or pre-joined solids into simplified primitive pieces, enabling a greater level of simplification than was previously possible. The box and cylinder simplification tool has been extended with a new conical primitive option. The hole, protrusion, and internal detail removal features are all faster and can handle more complex cases. The result is a robust and fully automatic CADfix PPS model simplification process that maintains the balance between processing time, file size reduction, and retaining the appropriate level of detail.

CADfix PPS 4 also adds the ability to automatically identify complex extrusions and convert them into simplified extruded profiles, with options to control the level of detail retained. This has a major impact on reducing file size for models containing a high number of structural members.
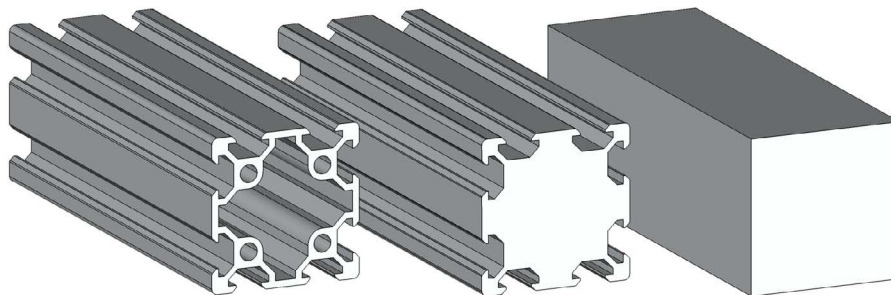

Fig 2. Complex extrusion simplification

Contact: Justin Falkenstein
ITI, a Wipro company
Phone: 1-888-783-9199
Email: justin.falkenstein@iti-global.com

5303 DuPont Circle
Milford, OH 45150
www.iti-global.com

Lettering and logos are a frequent source of excess data in mechanical CAD models that is not required in plant design systems. ITI has implemented a new tool that identifies raised, sunken and flat lettering or logos and automatically removes them, producing significant file size savings.

CADfix PPS 4 includes a new utility to automatically create assembly structures, allowing further processing time and file size reductions. CADfix PPS 4 can quickly identify repeated parts, remove duplications, and then automatically create a new assembly structure using instances of the primary part.

As with every new release, the CAD import and export interfaces are updated with enhancements to the standard STEP, DWG, Parasolid and SAT interfaces, plus updates to support the latest native CAD formats.

"The power of CADfix PPS is in its ability to rapidly simplify large equipment models for integration into plant design systems, where productivity improvements make a real difference", commented Andy Chinn, Director at ITI. "The latest version will deliver further time and cost savings for our customers, helping them achieve even greater time to market reductions in a very competitive industrial environment."

About ITI, a Wipro company
International TechneGroup Inc. began in 1983 with a mission to help manufacturers drive innovation and time to market by applying computer-aided product development to engineering problems. Today, ITI specializes in conversion, integration, validation and migration solutions for product data and related systems. Our customers recognize the value in having a trusted solution partner that provides more than just software. ITI solves complex product data interoperability problems so that the world's leading manufacturers can focus on making great products. In 2019 ITI became a wholly owned subsidiary of Wipro Limited, a leading global information technology, consulting, and business process services company. ITI operates within the Wipro Engineering business that provides customers with a platform to innovate and engineer the next generation of products and platforms at scale.
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