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ITI NEWS – FOR IMMEDIATE RELEASE

ITI Announces CADfix PPS 6.1 with Enhanced Assembly Simplification and Faster Processing of Large CAD Models

Latest release introduces assembly-level simplification, improved geometry retention, and processing time reductions of up to 50% or more for complex CAD models.

Milford OH, November 18, 2026 - International TechneGroup, Inc. (ITI, a Wipro Company), a global leader in CAD model simplification and data translation solutions, announces the release of CADfix PPS 6.1, the latest version of its CAD model simplification solution. The new release introduces enhanced automation, improved simplification accuracy, and significant performance improvements designed to help engineering teams prepare complex CAD models for downstream applications more efficiently.

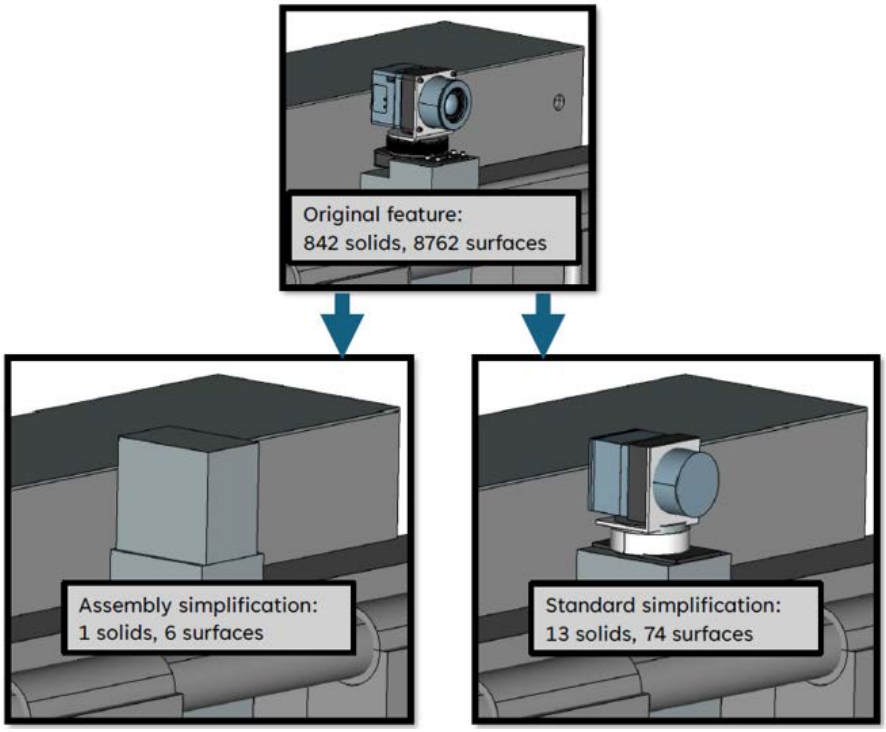
As engineering models become increasingly detailed, organizations face growing challenges when reusing CAD data across design, simulation, manufacturing, plant engineering, and other downstream processes. Large assemblies, excessive geometric detail, and complex model structures can increase processing times and require considerable manual effort to prepare models for their intended use.

CADfix PPS addresses these challenges by automating the simplification of complex CAD geometry, reducing unnecessary detail while maintaining the geometric characteristics needed for downstream applications.

With CADfix PPS 6.1, ITI builds on these capabilities through several enhancements focused on simplifying larger assemblies, improving control over the simplification process, and reducing the time required to prepare complex engineering models.

Greater Simplification with New Assembly-Level Capabilities

One of the most significant additions to CADfix PPS 6.1 is assembly-level simplification, which allows multiple solids within a sub-assembly to be simplified into a single solid.



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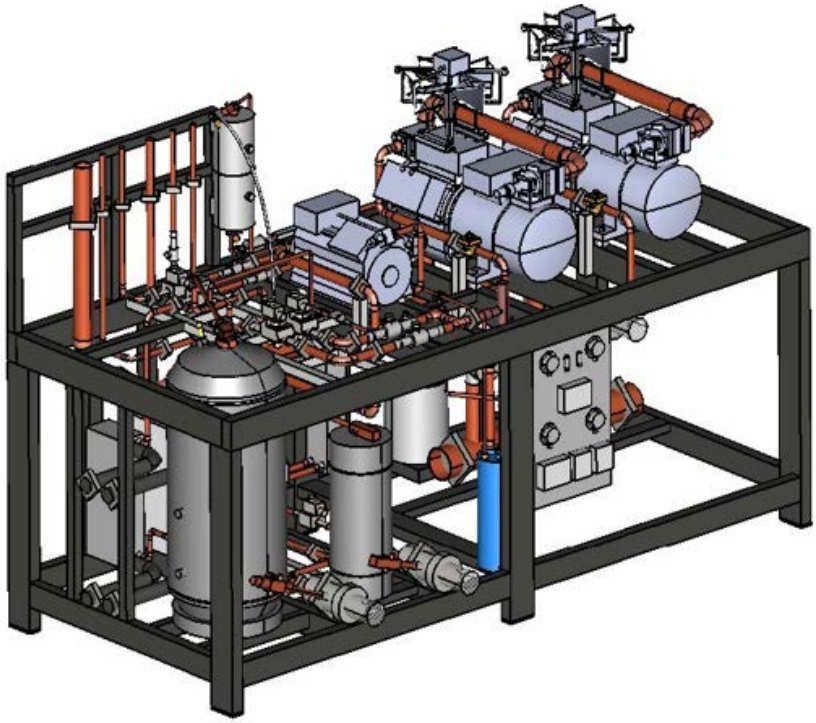
Previously, simplification primarily operated on individual solids. The new capability enables CADfix PPS to achieve greater reductions in geometric complexity by processing entire sub-assemblies, making it particularly valuable for large equipment models and complex assembly structures.

In one example, an original component containing 842 solids and 8,762 surfaces was reduced to a single solid with just six surfaces. By comparison, standard simplification produced 13 solids and 74 surfaces.

This expanded capability helps organizations reduce model complexity more effectively, making detailed CAD assemblies easier to manage and reuse in downstream engineering workflows.

Faster Processing for Large and Complex Models

CADfix PPS 6.1 also introduces substantial performance improvements to its automatic simplification process. For large CAD models, particularly those containing more than 5,000 solids or exceeding 100 MB in file size, processing times have been reduced significantly.



Performance improvements include:

- 25–50% faster average processing times for large CAD models.
- More than 50% reductions in processing time for certain affected models.
- Improved efficiency when processing complex assemblies containing thousands of individual components.

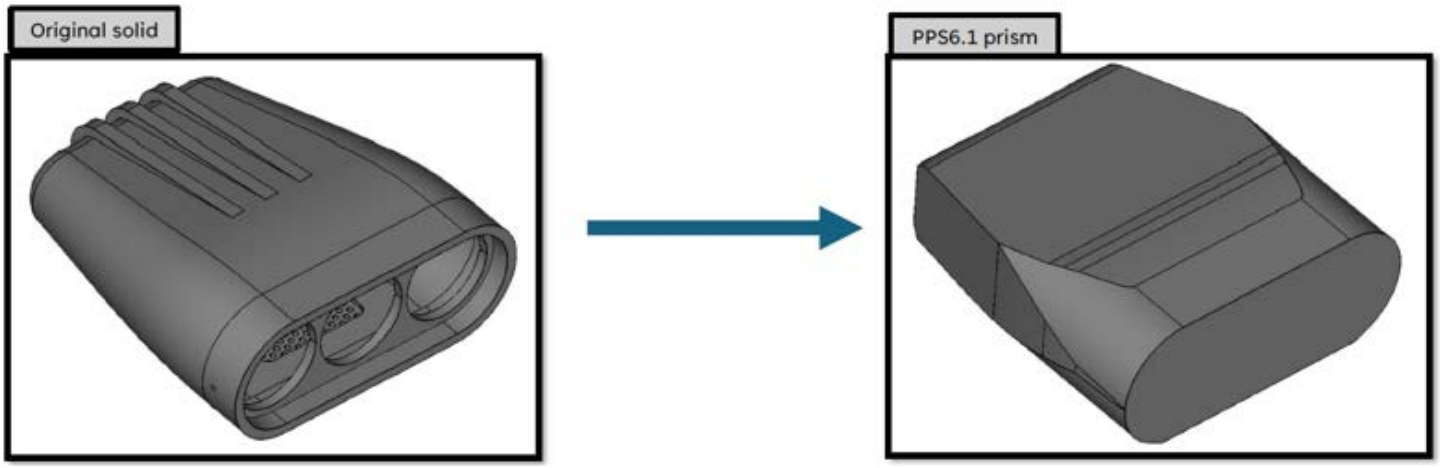
These enhancements help engineering teams spend less time waiting for models to process and more time working with the simplified geometry needed for their applications.

Improved Simplification Accuracy and Control

Beyond processing speed, CADfix PPS 6.1 introduces enhancements that give engineers greater control over which geometric features are retained during simplification.

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The new release allows users to populate simplification Keep lists using user-defined attributes associated with solids or sub-assemblies in the source CAD model.

This enables users to identify and preserve important components based on existing model information rather than relying solely on manual selection. Simplification settings can also be saved and reused, helping organizations establish more consistent workflows across multiple models.

CADfix PPS 6.1 also improves extrusion and prism simplification quality, allowing simplified geometry to more accurately represent the original solid's profile.

These improvements apply to both manual simplification tools and automated workflows, helping engineers achieve a better balance between reducing geometric complexity and retaining the characteristics needed for downstream use.

Expanded CAD Format Compatibility

To support interoperability across modern engineering environments, CADfix PPS 6.1 includes updated import and export support for the latest versions of several major CAD systems and neutral formats.

Updated CAD system support includes:

- CATIA V5-6 R2026
- Creo 13
- Siemens NX 2512
- Autodesk Inventor 2026
- Solid Edge 2026
- SOLIDWORKS 2026

Additional neutral format updates include:

- ACIS R2026 R1
- Parasolid 38.1
- IFC4x3_ADD2

These updates help organizations continue working with CAD data from a wide range of engineering applications while supporting compatibility with evolving software environments.

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Helping Engineering Teams Do More with Less Complexity

CADfix PPS 6.1 reflects ITI's continued commitment to making engineering data more accessible, manageable, and usable throughout the product lifecycle. By combining automated simplification, improved geometric accuracy, and faster processing, the latest release helps organizations address a persistent engineering challenge: preparing complex CAD data for downstream use without unnecessary manual effort.

Whether simplifying large plant layouts, preparing equipment models for simulation, or reducing geometric complexity for data sharing, CADfix PPS 6.1 provides engineers with additional tools to streamline model preparation and improve workflow efficiency.

For more information about CADfix PPS 6.1, visit www.iti-global.com or access the latest release documentation and support resources at www.iti-global.com/cadfix-support.

About ITI, a Wipro Company

International TechneGroup, Inc. (ITI) specializes in conversion, integration, validation and migration solutions for product data and related systems. Our customers recognize the value of 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 and now 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.