

CADNEXUS

Interoperability Solutions for Multi-CAD & CAE Environments

The CAPRI CAD-to-CAE Interoperability Gateway enables organizations that rely on simulation-driven design to integrate key engineering tools and processes to improve product quality, accelerate time-to-market, and reduce engineering inefficiencies and costs.

The CAPRI shrink wrap module provides a high-quality discrete representation of CAD models. It is a high-productivity, easy-to-use, tool for importing CAD models into CAE tools and processes.

“From my experience, CAPRI is a unique software primarily because of its direct connection to CAD and overall robustness. I can use an in-house geometry manipulation and triangulation tool, but I find that the time to take something out of CAD and put the final design back into CAD is prohibitive.” Marian Nemec, Ph.D., NASA Ames Research Center.

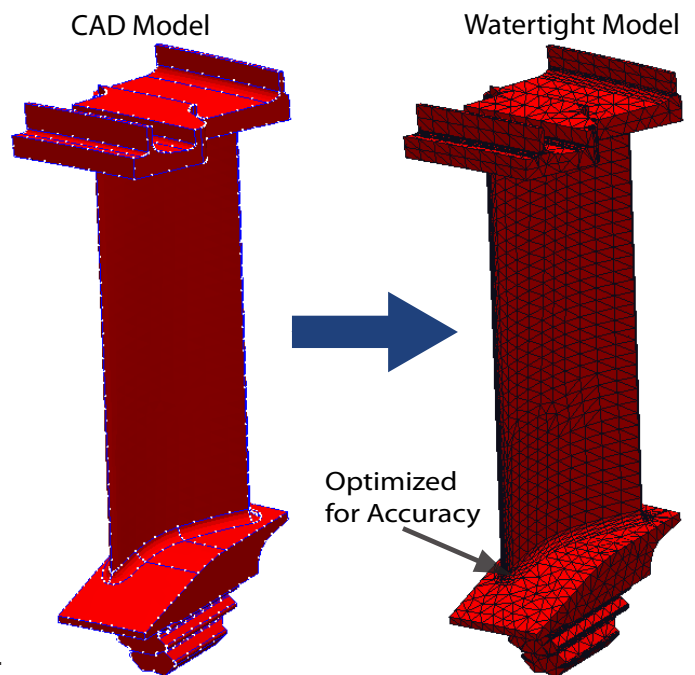
Features | Benefits

True-To-CAD. Unlike traditional STL and other shrink wrap solutions, CAPRI accurately represents the topology. The CAD topology is preserved 100%. The bidirectional link ensures users can map CAE data back to the original CAD model without guessing.

Automatic. The shrink wrap process is simple and fully automated. No healing, stitching or manual work is required. Hands-off import enables faster turnaround and greater productivity in CAE processes.

Accurate. CAPRI shrink wraps, translation-free, directly on CAD. Users can easily control the accuracy down to the CAD surface to meet their application needs.

Multi-Purpose. The CAPRI representation be used for simulation, visualization, manufacturing, vendor bids, and a myriad of applications where a light-weight representation linked to CAD is desired.



About Us

CADNexus is a global provider of interoperability software for collaborative multi-CAD/CAE environments. The Company’s flagship software product CAPRI provides seamless, vendor-independent interoperability of leading CAD and CAE engineering tools for faster, more efficient simulation-driven design. Developed by principal researchers and Ph.D.’s at M.I.T., CADNexus products are used by some of the worlds’ leading organizations in aerospace, automotive, and defense. Combined with comprehensive consulting services and deep domain expertise in the world of CAD & CAE tools and technologies, CADNexus solutions help organizations dramatically reduce engineering costs, errors, and time-to-market across the product lifecycle.