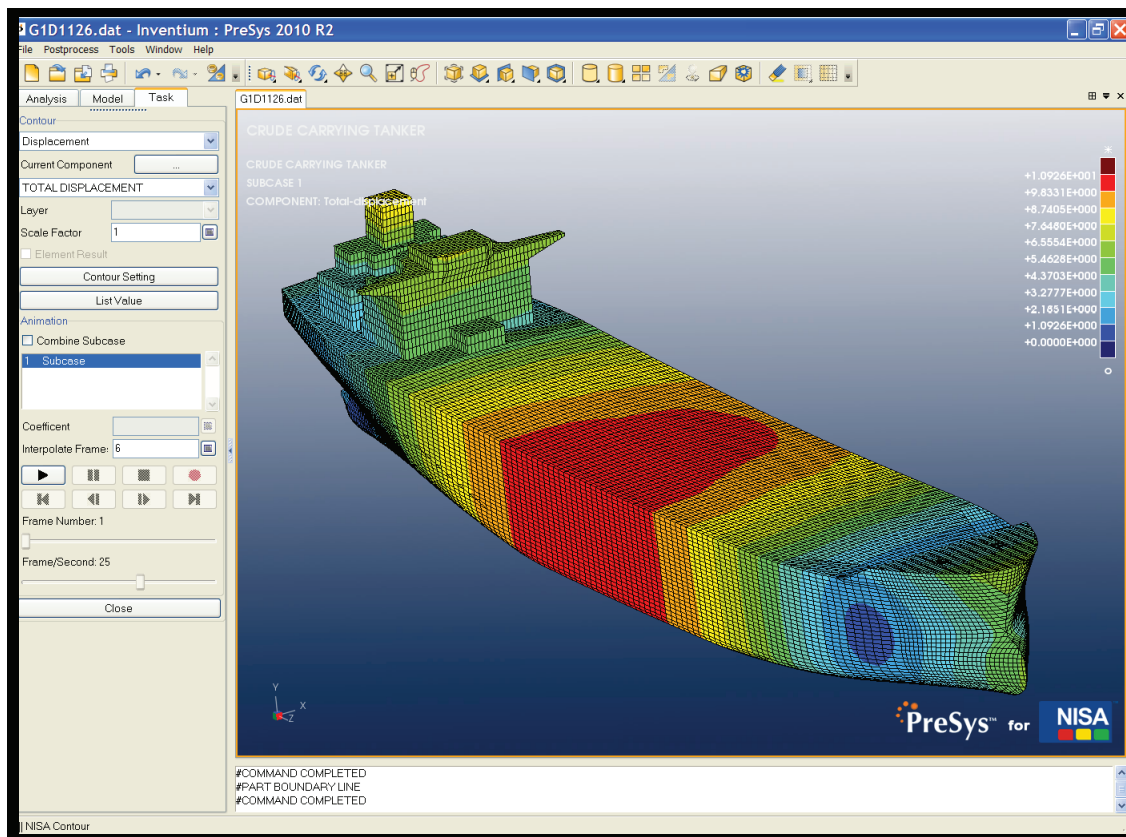


PreSys works the way **you** do.

A customizable user interface suits your unique needs.



Post-Processing

PreSys offers an intuitive user interface with many streamlined functions. For the user, this means fewer operation steps with a minimum amount of data entry along the way. The result is a faster path to finite element (FE) analysis.

Advanced FE Modeling for NISA

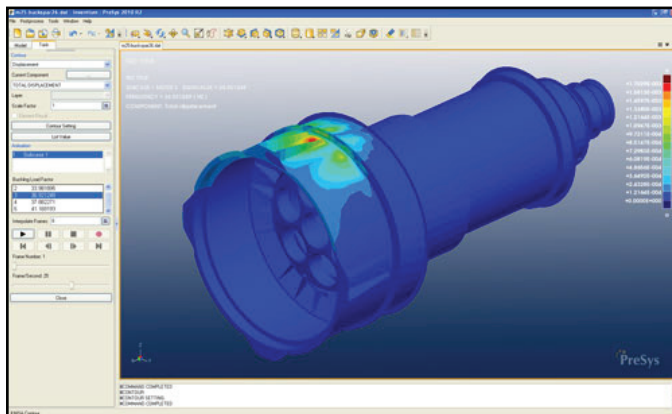
A Pre/Post-Processor with a strong heritage, PreSys™ will allow you to create even complex finite element models easily. It is a full-featured, core solution that can be used on its own or with a variety of available add-on applications.

The system offers advanced automeshing tools to provide the highest quality mesh with little CAD data preparation on imported or created geometries.

PreSys™ works the way you do. The user interface is customizable to suit your specific needs. The solution allows you to hide menus if desired and toolbar contents can be streamlined for work on particular tasks.

Developed by the leader in the creation and implementation of new CAE tools and methodology, PreSys™ is ETA's proven Pre/Post Processor and it completely interfaces with the NISA™ suite of FE programs.

- **Intuitive, Customizable GUI**
- **High Performance Graphics**
- **Scripting Interface**
- **Tree Structure Layout for Model Data**
- **Easy Import/Export of CAD Data**
- **Complete Post Processing of NISA Results.**



Features

Native Windows User Interface

- XP / Vista / Windows 7 Compatible & 64-bit OS Support
- Configurable Toolbars & Menu System
- High Performance, OpenGL-based Graphics
- Ability to Open Multiple Models Simultaneously
- Shortcut Keys Definable by User

Interfaces with CAD Software

- IGES, STEP, Parasolid, SAT & DXF
- Native Interfaces for CATIA V4 & V5, Inventor, ProE, UG NX & Solidworks

Comprehensive Toolsets to Create, Modify & Repair Geometry

- Mid-plane Generation
- Surface Generation & Repair
- Merge/Split Surfaces

Complete Finite Element Modeling Toolset

- Surface and Volume Automeshing
- Boundary Condition Definition
- Material Library
- Unlimited Model Size
- Interactive Mesh Editing
- Model Check & Repair Tools

Complete Results Visualization

- Stress/Strain/Displacement Contour Plotting
- Animation of Deformations & Stress/Strain
- Graphing Tools for Complete Data Analysis
- 3D View Application for Standalone Viewing of Models & Results

Model Data Displayed in a Tree Structure

Prepare Non-graphical Analysis Data Easily