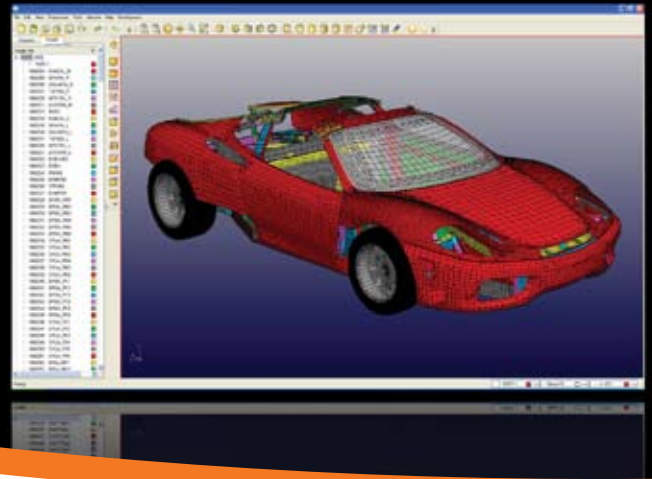


advanced FE modeling



PreSys™

PreSys works the way *you* do.

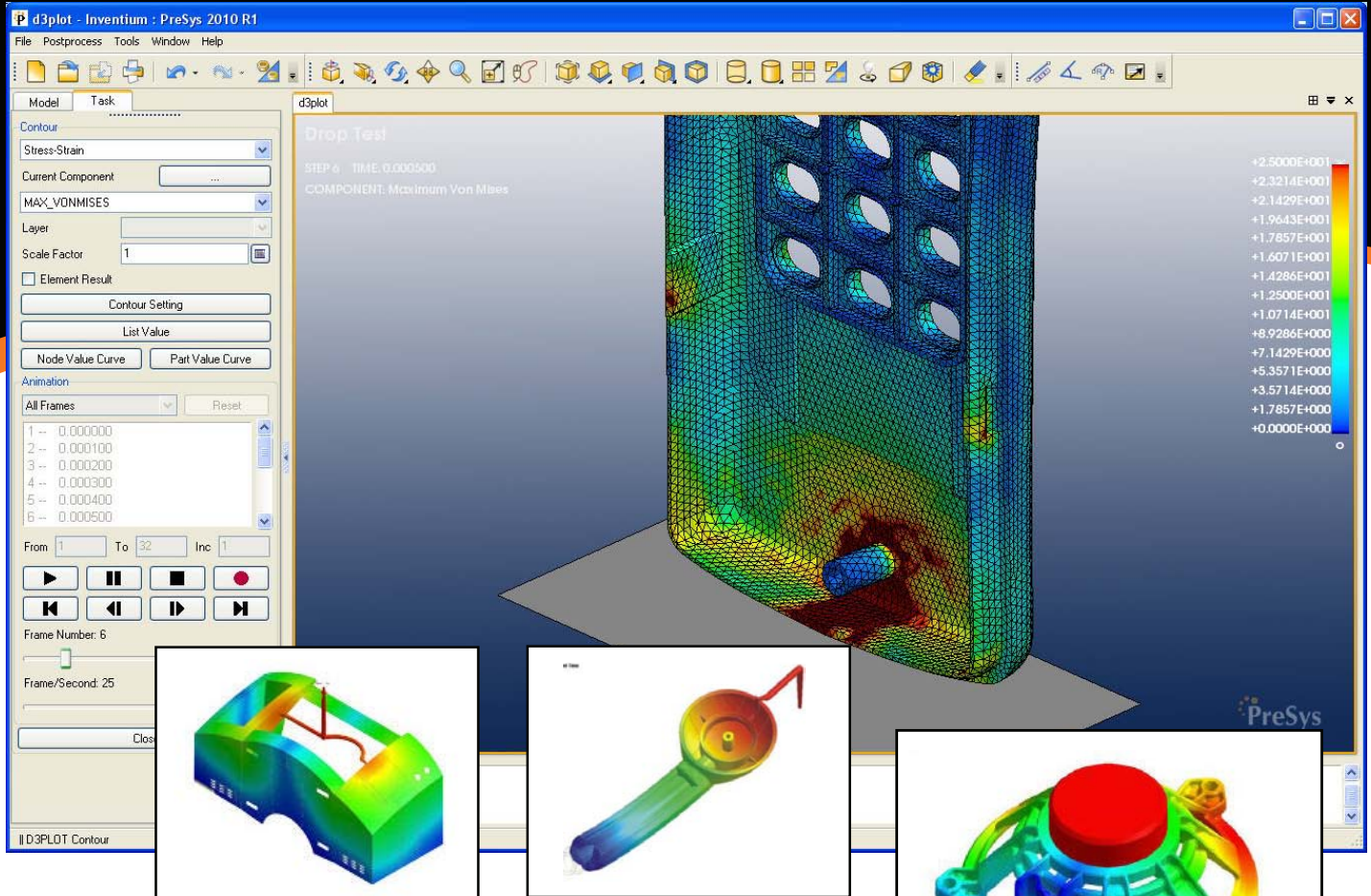
An integrated Pre/Post-Processor with a strong heritage, PreSys will allow you to create even complex finite element models easily. It is a full-featured, core solution that can be used on its own or with a variety of available add-on applications.

It also offers a scripting interface to automate processes and interact with 3rd party solutions, as well as a model explorer feature to provide in-depth data navigation.

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 4th generation Pre/Post Processor, delivering the capability to handle finite element modeling with ease.

Inventium suite



Features

- **Complete finite element modeling toolset**

- Task manager guides the user through operations
- Surface automeshing
- Boundary condition definition
- Automated solid meshing
- Material library
- Unlimited model size
- Direct interface with LS-DYNA, NISA, NEi Nastran, MSC NASTRAN, RADIOSS, PAM-CRASH & ABAQUS
- NEW: MOLDEX3D Interface:
 - Read/Write MOLDEX3D files
 - Create/Modify Runners
 - Create/Modify Mold Base Inserts
 - Definition of Cooling/Heating Systems
 - Auto Tri and Tetra Meshing
 - Mid- Surface Extraction Tools
- Interactive mesh editing
- Model check and repair tools
- Continuous data error checking

Moldex3D

- **Interfaces with CAD software via standard formats**

- IGES, STEP, SAT, CATIA, DXF, UG NX, ProE, Solidworks & Parasolid
- Import/export capability

- **Fully configurable user interface**

- Native Windows XP/Vista/7 & 64-bit OS support
- High performance, OpenGL-based graphics
- Ability to open & control multiple models simultaneously
- Shortcut keys definable by user

- **Complete results visualization**

- Stress/strain contour plotting
- Animation of deformations & stress/strain data
- Graphing tools for complete data analysis
- 3D view application for stand-alone viewing of models & results

- **Model data displayed in a tree-structure**

- Quickly & efficiently access all model entities

- **Card image view to create/edit non-graphical data**

- **Scripting interface for all commands**

- **Macro capability write/edit/replay**

- **Language localization**