



ELYSIUM

CAD•doctor



Easily Translates and Repairs your CAD data

The Elysium family of data exchange products provides complete solutions from the desktop to corporate services.

For those cases where human intervention is required to select the appropriate solution from multiple options, CADdoctor provides the guidance to make good decisions.

Based on the Elysium foundation for data exchange, this tool supports:

Interactive analysis and repair of 3D CAD data

A range of tools from automated wizards to detailed diagnostics

A robust set of rules to tailor data conversion and healing between CAD systems

The Elysium data exchange foundation understands the characteristics of each of the supported CAD systems and can make the required adjustments and corrections required for most any data conversion. CADdoctor provides an additional level of feedback for the user in those cases where problems arise.

CADdoctor is not a CAD system but a data exchange environment that give the user as much control as they desire of the translation and repair process. By focusing on these tasks, the learning curve is minimized which assists in making translation easy and productive.

Key Features

- Interactive translation of CAD data
- Over 30 categories of analysis
- Category dependent Repair/Functions simplify problem solving.
- Diagnosis and repair based on source and target CAD system.
- Support for JAMA / JAPIA PDQ and VDA data verification guidelines.

▶ CAD Systems Supported

AutoDesk Inventor

Abaqus

Dassault Systems / IBM

☐ • CATIA

☐ • SolidWorks

EDS PLM Solutions

☐ • I-deas

☐ • UGNX

IGES

Parasolid

PTC Pro/Engineer

SAT (ACIS)

STL

▶ Platform Support

Windows NT/2000/XP



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Some examples of the geometry or topology problems that CAD doctor can diagnose and repair include:

- ❖ Self-intersecting Surfaces/Curves
- ❖ Intersecting Loops
- ❖ Gaps between Edges and Surfaces
- ❖ Sliver Faces
- ❖ Short Curves

Typical Process:

- ❖ The user imports the part to be evaluated.
- ❖ By clicking the Check Icon, all of the checks that are required for the desired target system are performed
- ❖ The user investigates each error by category and chooses the appropriate correction from the repair icons specific to that category.
- ❖ Once all errors have been repaired, the user exports data to the target CAD system.

Other Processes:

- ❖ The Repair Wizard automatically applies the most common solutions to identified problems.
- ❖ Multiple functions are available where appropriate for the repair of some problems that require specific user choices.

CONTACT

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About Elysium Inc.

Founded in 1984, Elysium bridges the gap between CAD systems and enables PDM and product structure synchronization with its industry-leading technologies. Elysium's CAD porter™, CADdoctor™, CADpdm™ and CADserver™ software products enable the translation of all geometry from one CAD system to another with the industry's highest success rate. Platforms supported include ACIS, CATIA, I-deas, Inventor, Parasolid, Pro/ENGINEER and SolidWorks. Elysium has successful partnerships with all major CAD / CAM / CAE and MCAD software companies including Abaqus, Autodesk, CoCreate, Dassault, EDS PLM, Maya Metrix, PTC, and Spatial Corporation. Elysium is a member of the AIAG and is a sponsor of the Renault F-1 race team.

For additional information about Elysium's products and services, please visit www.elysiuminc.com.

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