IX STEP Core Interface
High Quality Data Exchange

IX STEP Core Interface helps you exchange data through a neutral format in a heterogeneous CAD/CAM environment. You can interactively read and write data in STEP AP214 and STEP AP203 data formats allowing reliable bi-directional data exchange between dissimilar systems.

Key Benefits:

Support for application protocol. IX STEP supports both AP214 (class 1 and 2) and AP203 (class 2, 3, 4, and 6).

Access to STEP files. IX STEP provides integrated interoperability with STEP data formats through common Windows-compliant commands. The intuitive V5 interface makes it easier to use STEP files and enable simple and precise data transfer between systems.

Support of geometry and assembly structure. IX STEP preserves the geometry of the original file at a high level (solids and shells), and can be adjusted (with or without controlled deformation) for use in the IX V5 modeler. If the file contains an assembly structure (NAUO entities), a CATProduct document is generated preservinv the structure. The AP214 mechanism of external references to STEP files is supported in order to handle large and complex assemblies.

Transfer quality. The ability to import and export geometric validation properties embedded in the STEP files ensures the quality and the reliability of the transferred data. In addition to existing OK/KO transfer information, some specific properties of solids, products and instances of products, (such as center of gravity, volume, or wet surface) can be included in the STEP file. During file import, you can see if the data is reliable or if it is in need of corrections to begin with a consistent design.

High data transfer performance. The ability to handle very large STEP files, up to 150 MB, allows you to exchange large designs with the added benefit of quick conversions.

Prerequisite: IX Design V5