I-DEAS® Data Translator, Standalone from CATIA

for transferring solid models between CATIA and I-DEAS®

To move geometry freely from a CATIA environment into an I-DEAS® environment, SDRC offers data translation software that removes previous restrictions. This translator does not require a copy of CATIA.

This I-DEAS Data Translator is used to transfer solid models from CATIA to IDEAS software. The translator user interface is integrated directly into the I-DEAS interface, making operation very easy.

From the translator interface within I-DEAS, the user can directly read a CATIA model file, or a file created from the CATIA CATDATA utility. The model can be stitched into a valid solid when read in, or it can be read in as a non-stitched group of entities and stitched later within I-DEAS software. Each CATIA file can include several models, and the interface can display a list of the models in each file, allowing the user to pick the one for translation.

The resulting solid is a valid I-DEAS solid model which can participate in any I-DEAS function including interference checking, meshing, hidden line displays for drafting, etc. The user may also modify the part by adding new features. No part history is translated.

This translator translates four types of CATIA models: volumes, wireframe, face/surface, or exact solids (SOLIDE). If there is no exact solid in the model, then the translator will search for volumes, then faces/surfaces, then wireframes. In other words, the translator searches for the first selected model type, then searches through the other model types until it reaches the most basic (wireframe).

User interaction
•CATIA model files or files produced from the CATDATA utility should be moved to the I-DEAS environment.
•Through the user interface, the user can pick the file and select the model within the file for translation.
•Exact Solid, Volume, Face/Surface, or Wireframe is identified to be translated.
•Invisible geometry can be omitted or translated.
•A neutral file is automatically created, and an option allows it to be automatically imported into I-DEAS with no further action from the user required.

Compatibility
The translator works with workstation CATIA V4 models.

Prerequisite
Core Master Modeler

For More Information
For more information, contact your local SDRC representative or call 1-800-848-7372.