

# I-DEAS® Data Translator, PDGS Direct

for exchanging geometry data between I-DEAS® and native PDGS files

The I-DEAS® Data Translator, PDGS Direct provides fast, customized translation of design data created in PDGS and I-DEAS. The translator can translate:

- PDGS part data into I-DEAS format
- I-DEAS data into PDGS format

Note: All PDGS and I-DEAS data is translated to metric format.

## Export

The entities supported during export (under user control):

- Curves
  - Includes all wire frame sections, curves and points.
- Surfaces
  - Includes solid faces and individual surfaces.
- Surface Edges
  - Includes all surface edge loops/ boundaries.
- Spot Welds
  - Includes all spot welds of a part, or of an assembly and its instances.
- Measure Points
  - Includes all measure points of a part, or of an assembly and its instances.
- Attributes, Details and History
  - Includes user attributes, part number, name, version, revision, description and history (creator, created, modifier and change).
- Reference Geometry
  - Includes reference points, reference planes, reference curves, reference lines, centerlines and Cartesian coordinate systems.

The PDGS part name and part number can also be specified during export.

## Import

During Import, the user can specify the path to the PDGS files, and then select from the displayed list. Once a PDGS file has been selected for Import, there are several options available:

- Select the I-DEAS part name and part number
- Translate Cinci-Surfaces.
  - This converts surfaces created with the Cinci mathematical definition to I-DEAS NURBS
- Stitch Surfaces.
  - Surfaces whose edges are within I-DEAS stitch tolerance will be stitched to define topology.
- Create an I-DEAS part per picture.
  - This allows the user to capture all of the pictures and the organization that are provided within the I-DEAS model file.
- Picture Selection.
  - The user can also select from a list of pictures (one or all of the pictures) from the selected part that should be converted into I-DEAS.

## Platforms Supported

I-DEAS supported systems from SGI, IBM, SUN, and HP UNIX

## Prerequisite

Core Master Modeler

-or-

I-DEAS Product Design Package

-or-

I-DEAS Artisan™ Package

## For More Information

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