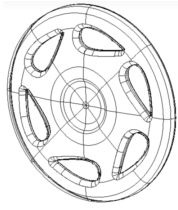


DeskArtes 3Data Expert

DeskArtes 3Data Expert software is designed for manufacturing engineers who need to efficiently prepare and manipulate any 3D CAD file or faceted STL model for Additive Manufacturing, 3D Color Printing or Simulation:

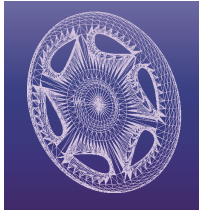
- Convert IGES, STEP, ProE, UG, SolidWorks, CATIA, Solid Edge, Parasolid and Inventor data into solid STL or VRML file
- Automatically detect and repair various mistakes in the model
- Split and combine models with Boolean operations
- Generate Supports for metal, DLP and stereolithography
- Reduce triangle count, smooth scanned models, and more...

DeskArtes 3Data Expert



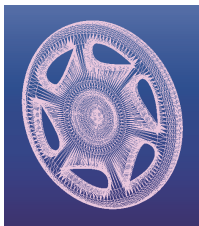
Convert Surface Data

- Import IGES, STEP, CATIA 4/5/6, CATIA CGR, NX Unigraphics, SolidWorks, Solid Edge, Inventor, Parasolid, JT and Creo/ProE
- Accurately convert your surface models to solid STL
- Automatically fill gaps, remove overlaps and fix trimming errors
- The best triangulation quality and accuracy on the market



Verify and Repair Faceted Models

- Fill in gaps and holes in the model
- Find and repair intersection and overlapping triangles
- Check and fix normal orientation of triangles
- Separate disconnected parts into different models
- Reshape triangulation, reduce triangle count, "shrink wrap", ...
- Faceted input formats STL, VRML, PLY, 3DS, DXF, FBX, OBJ and Collada



Design and Combine

- Design new parts by Extrude, Rotate, Sweep and Loft
- Unite models, subtract parts with Boolean operations
- Cut with any curve, create pins, holes and lap joints
- Offset open models to solid sheets, create hollow models,
- Compute intersections and trim surfaces
- Add and modify textures and colors on faceted models



Painting and Coloring

- De facto standard for repairing and coloring models for 3D Color Printing
- Powerful textured model coloring and painting tools
- Solidify even the most difficult architectural models with colors



Additive Manufacturing Utilities

- Position parts into workspace with 3D Nesting
- Punch holes, split and add pins to the models
- Slice for metal, DLP and stereolithography processes
- Generate support structures for metal, DLP, sand and stereolithography parts



DeskArtes Cloud Solutions

- Repair and calculate cost for 3D Printed parts via Internet service
- Generate supports for metal AM
- Reduce models for different applications, like VR and AR
- Integrated User data base and 3D Printer data base

Software download and 15-day evaluation available at www.deskartes.com

Contact your local DeskArtes distributor: