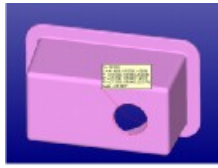# DeskArtes Dimensions Expert

DeskArtes Dimensions Expert software is designed for manufacturing and design engineers who need to efficiently create and manipulate STL and VRML models for Rapid Prototyping, 3D Printing, and Direct Digital Manufacturing:

- Automatically detect and repair various mistakes in 3D models
- Split and combine models with easy to use dedicated commands
- Define workspaces to check model size and fit
- Automatic Workflow for 3D model repair

# DeskArtes Dimensions Expert

## Visual inspection and measuring

· Visual model inspection
· Clipping and viewing with grid lines
· Take 3D measures to estimate the size
· Point value, angle, distance, radius
· Calculate areas and volumes

## Verifying the model

· Verify STL and VRML models automatically
· Analyze errors and number of components
· Report gaps, inverted normals, overlapping
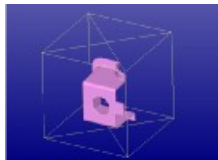  surfaces, intersecting shells etc.

## Generate good STL

· Fix models automatically or manually
· Auto repair for fully automatic fixing
· Help text to aid the repair work
· Interactive editing for triangle data
· Flip selected triangle normals

## Splitting the STL model

· Split triangle models with easy to use
  commands
· Save build time, build larger parts
· Add pins easily to accurately connect
  the built parts

## Positioning part for RP

· Define platforms according to the size of
  your  RP system
· Find splitting plane locations
· Move parts to correct platform area
· Output STL files with correct topology for
  3D  Printing

Software download and 30-day evaluation available at  www.deskartes.com

Contact your local DeskArtes distributor:

deskartes
www.deskartes.com