

3Data Expert (BASE) for STL files

- *NEW*: Faster Boolean based commands: Split, Connect, Drain Hole, Add Texture...
- *NEW*: Cut Tool Command for Model Cutting with User Defined Planes
- *NEW*: Hole Tool for Adding User Defined Holes and Tapered Plugs
- *NEW*: Advanced Triangle Mesh Editing with Shape Control
- *NEW*: Faster Drain Hole Generation
- *NEW*: Faster Split and Connect Commands
- *NEW*: Accurate Offset for STL files, Create a Solid from Open Surface
- *NEW*: Input PLY and Output PLY Files
- *NEW*: Faster STL, ZPR and VRML Texturing and Color Editing
- 3D Viewing, Transformation and Measuring
- Full Repair & Editing of Models
- Scale, Position, Rotate, Mirror & Build Preparation
- Split STL files, Boolean Functions, Adding Pins, Holes, etc.
- Reduce & Refine Triangle Count in Faceted Models
- Surface Design and TrueType text
- Efficient Data Structures to Input and View Large Triangulated Models
- Workflow and Tools Window to Access Mostly Used Repair and Manipulation commands
- Intuitive Menu Structure to Support the Workflow
- Help Text window to Aid in the Repair Process
- Check Thin Walls Command, Flip Selection and Triangle Normal
- Different Error Filtering Levels for Repairing Models for Simulation vs. 3D Printing
- Reliable Network and Standalone Licensing System
- Easy to Use Coloring and Texturing Commands for Triangle Models
- Efficient 3DE File Format to Store Full Topology, Color and Texturing Information
- Input STL, VRML, ZPR, OBJ, DXF, PLY and DA Files, Write STL, VRML, ZPR, PLY and 3DE Files
- Macros for frequently used command series
- Copy Array for Additive Manufacturing

RP functions

- Platform Definition
- Positioning Tools
- Z-Compensation
- Automatic Support Structures
- Slicing of STL Models, Direct Slicing of IGES/VDA

2D Drawings

- Generate professional 2D Drawings from STL data
- Distance, Angle, Diameter and Radius calculation
- Annotations and Balloons
- EU/US Standard Views, Coordinate Axis Views and Section Views

Offsetting/Hollowing

- Hollow-out STL Files
- Accurate Offset for STL files, Create a Solid from Open Surface

NEW: Advanced Cut Tools

- *NEW*: Cut Tool Command for Model Cutting with User Defined Planes
- *NEW*: Hole Tool for Adding User Defined Holes and Tapered Plugs

NEW: Optional Advanced Modeling

- *NEW*: Sketch 3D Surfaces
- *NEW*: Create Volumetric Net from STL Data
- *NEW*: For Reverse Engineering and Medical Implant Design

Optional IGES / VDA-FS translator

- View & Verify IGES / VDA-FS files
- Conversion of IGES / VDA-FS to STL with Full Control of Resolution
- Automatic Detection of Duplicate and Missing Surfaces
- Adding and Replacing Missing Surfaces using 3D Curves
- Design of Free-Form and Primitive Surfaces
- Trimming Surfaces with Curves and Other Surfaces
- Automatic normal orientation, Output of Cleaned IGES files
- File Conversion between IGES and VDA-FS Formats

Optional CATIA 4 translator

- Input CATIA 4 Files

Optional CATIA 5 translator

- Input CATIA 5 Files

Optional Unigraphics translator

- Input Unigraphics Files

Optional ProE translator

- Input ProE Files

Optional STEP translator

- Input STEP Files