Data Sheet

SpaceClaim for Reverse Engineering
Edit Without Constraints to Perfect Each Feature

SpaceClaim offers intuitive tools that are perfect for reverse engineering. With SpaceClaim, STL files and solids can be easily altered to recreate perfect models for parts and fixtures. Users can even start with 2D models. Imperfect data from worn components or a dirty scan can be quickly corrected.

For reverse engineering, SpaceClaim is unmatched in terms of power, ease of use, and flexibility.

Use SpaceClaim to:

- Convert 2D models or STL files into 3D models
- Modify the geometry of worn parts
- Clean up messy scans

To save time, money, and hassle, there's no better tool than SpaceClaim for reverse engineering.

Challenges in Reverse Engineering

Clients often need 3D computer models for old products. Whether the original files were lost or the product predates modern manufacturing processes, the challenge remains. Reverse engineering can be a complicated, time consuming, and even frustrating process without the right tools.

If the client only has 2D models, the manufacturer might have to start from scratch because 2D files can't be used with a lot of software on the market today. Meshes built from product scans can be equally frustrating, as they usually have small errors that have to be manually corrected.

Designing fixtures can make a simple project complex, involving a lot of trial and error. Sometimes manufacturers wind up using vices and clamps to avoid the whole problem of fixture design, but this takes extra time and is not a robust solution.

3D Modeling software can also be extremely complicated with a ton of needless features. If the software isn't frequently used, employees waste time finding the features they need amongst the clutter, and have to re-learn the software each time they start a new reverse engineering project.

Easily Create Solids from STL Reference
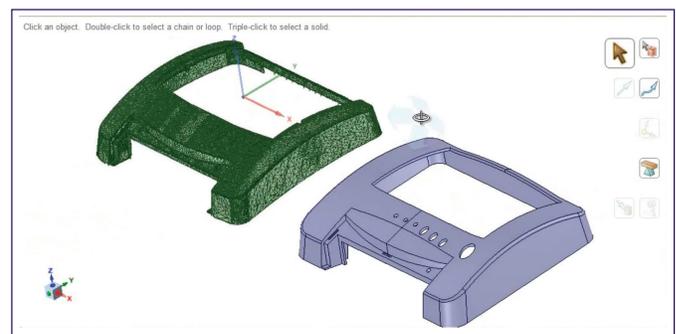
Recreate Models Quickly

SpaceClaim is the Best Solution for Reverse Engineering

SpaceClaim's cost effective tools will solve your reverse engineering challenges with ease. The software can use a 2D model or STL file, and convert it into a solid model.

Little blips in mesh data also can be easily remedied with SpaceClaim because the software was designed to work efficiently with STLs. Manufacturers can build complex solids quickly or use direct modeling commands while referencing an STL model. Curves can even be sketched along the facets of an STL file and effortlessly edited whenever necessary. These same intuitive tools can be used to create fixtures efficiently.

Whether the client wants to update an old design or the data needs to be cleaned up, SpaceClaim offers fast solutions.

How Can Manufacturers Leverage SpaceClaim?

With SpaceClaim, users can:

• Quickly create complex solids from scratch

• Sketch curves along the facets of an STL file

• Adjust a model's geometry

• Easily create fixtures around mesh data

SpaceClaim: A Wise Choice for Modern Manufacturing

In today's market, where profit margins are tight, it's important to consider every purchase carefully and avoid bloated software. Useless features not only clutter toolbars, they inflate the price of the program. SpaceClaim, in contrast, offers everything you need to efficiently tackle reverse engineering projects with none of the software bloat.

SpaceClaim saves on training time, too, with tools that are easy to learn. Dazzling in its efficiency, SpaceClaim gives businesses a real-world advantage. Clients get their projects completed ahead of schedule, and manufacturers save money on design time.

The best choice for reverse engineering, and your business as a whole, is SpaceClaim.

To learn more about reverse engineering with SpaceClaim, please visit http://www.spaceclaim.com/en/Solutions/ReverseEngineering.aspx.
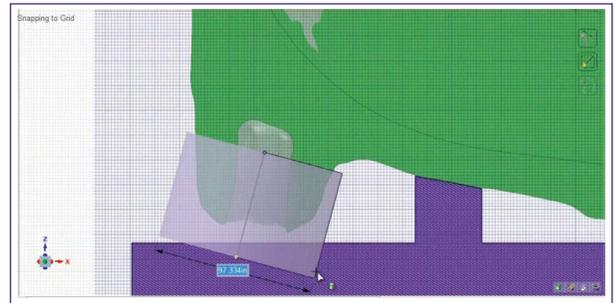
Re-use STL Data
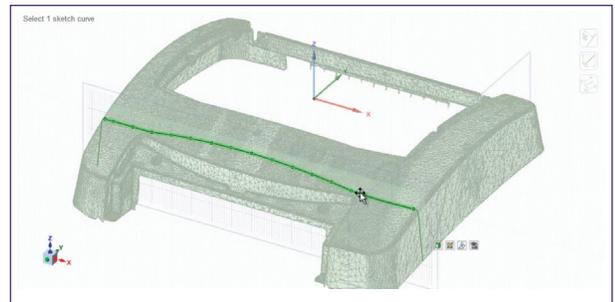
Fit Face Curves along Facets of Model

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