

The Swiss Army Knife of the CAD World

Ansys SpaceClaim is a CAD tool like no other, it is a direct modeler. It allows users to work directly on the model to rapidly create and change geometry wherever it was created!



Speed Up
Development



Reduce Licensing
Costs



One Tool, Multiple
use cases

1

Opening / Exporting Multiple Filetypes

SpaceClaim allows you to open pretty much all the major file types including assembly files and some additional manufacturing information linked to the model.

You can open AutoCAD (dwg, dxf & revit), Catia (v4, v5 & v6), Inventor, NX, Creo, Parasolid, STEP, STL, IGES & Solidworks) you can also export and save as these filetypes when you are done modelling.

2

Modify geometry instantly regardless of where it was created

Direct modeler approach makes it the perfect solution for dealing with customers data allowing you to immediately modify any model regardless of where it was created.

3

Machining

A direct modeler approach allows designers to easily design jigs and fixtures for machining without the complexity of a structure tree, engineers can also combine a customer part and design a jig/tool around it, also accounting for things like draft. This can then be exported into whatever the desired file format is.



Reverse Engineering

Import Faceted data such as STL or Faceted data (with no size limits) and use powerful shrink wrapping tools (some automated) to allow a user to bring back Faceted data to a Solid. Users can also add their own CAD geometry and build up over the top of STL data for more complex jobs. Work seamlessly merging, cutting and combing Faceted & CAD data until you get your desired result.



3D Printing

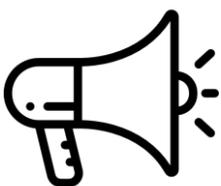
Instantly check the quality of a model and check for any errors that will prevent the part from being printed correctly, use built in tools to auto repair sharps and other imperfections for faster results or use the manual tools available for greater control. Reduce the cost of prototypes and products by using the custom infill options to shell models and reduce material usage whilst maintaining the strength of the part.



Sheet Metal

Prepare accurate flat pattern geometry in dxf or dwg format for programming and manufacture. Receive models in any format and check for issues that will cause issues in manufacturer such as non-uniform thickness, forms and more. Unfold 3d parts into 2d formats ready for manufacturer. Design sheet metal from scratch with the system respecting sheet metal characteristics with a dedicated tab specifically for Sheet Metal

Visit www.origin-eng.co.uk for more information or to request a demo.



“Our original software couldn't do what SpaceClaim can, I was unaware of SpaceClaim until I saw it at a trade show, I was blown away!”

Robb Barrett (Advanced Manufacturing Fabrications Lab Manger, Sainsbury Wellcome Centre)