

SpaceClaim 2008 SP2

Release Notes

A **SPACECLAIM** Document



SPACECLAIM
CORPORATION

These release notes cover what's new in this release and the issues resolved in this release.

What's new

The following features have been added to SpaceClaim 2008 SP2.

Welcome window

A Welcome window appears the first time that the SpaceClaim application is opened. From this window, you can quickly get help, view videos and tutorials, and open sample designs, as shown in the figure on the right.

SpaceClaim checks for updated welcome content each time the window is displayed. New content is downloaded and the download status is displayed with a progress bar.

If you uncheck the **Show at startup** box on the Welcome window and you want to redisplay it, check the **Show welcome screen** box on the SpaceClaim Popular options page.

The content that appears in the Welcome screen can be customized by VARs. Please contact SpaceClaim if you would like to modify this content.

The Welcome window was also translated into French and Japanese.



FLEXNet Publisher license management

SpaceClaim now supports floating licenses managed by FLEXnet Publisher.

Dimensions added

The following objects now have associated dimensions, which you can control interactively within SpaceClaim:

- Round faces saved as groups
- Shell faces
- Offset face ruler dimensions
- Surface extension ruler dimensions

Because the dimensions are associated with groups, they can also be controlled by another application, such as ANSYS, via the SpaceClaim API.

Select all hard edges

You can select all the hard edges in a sheet metal design using the **Sharp sheet metal edges** option in the Search drop-down on the Selection panel. Edges equal to the sheet metal thickness are not selected.

Density property relocated

The **Density** property is now displayed immediately below the **Material name** property in the Properties panel to make it easier to find. (You do not have to enter a material name to display the density.)

Snap View available for planes

You can use the Snap View tool to orient designs and drawing views by gesture-dragging the “edge” of a plane.

SpaceBall

Spinning and zooming is centered on (and dynamically follows) the cursor location when using the SpaceBall.

Rhino export enhancements

You can now export layer names, color and visibility information, sketch lines, named 3D curves, and material information from SpaceClaim to Rhino.

New add-ins

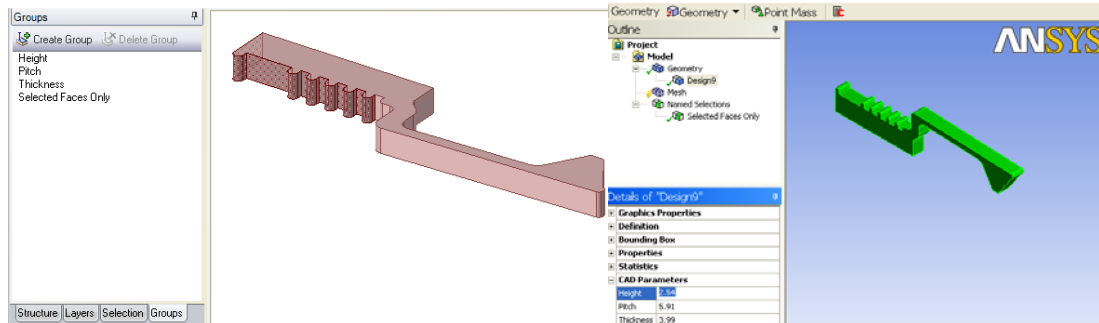
You can now manually install a Rhino add-in (from files included with SpaceClaim) to create a button in Rhino that lets you export to SpaceClaim for editing, then import the edited file (the current window contents) back into Rhino.

SpaceClaim Professional includes the trial HD version of the Bunkspeed Hypershot add-in that provides rendering capabilities, as shown in the figure on the right. Hypershot HD has a 1920 x 1080 resolution and 4.1 megapixel rendering resolution.



Enhanced ANSYS associativity integration

SpaceClaim now supports full bi-directional associativity with ANSYS Workbench 11.0, including Design Modeler.



SpaceClaim API V3 – Beta 3

The following enhancements were made to the SpaceClaim API:

- `Document.Materials` returns materials stored in the document; `Material.Create` creates a new material in the document. Materials can be applied to both `DesignBody` and `Part` objects.
- Both `UnitsSystem` (metric or Imperial) and `GridSettings` can be specified for a `Document` or `DrawingSheet`. The drawing sheet inherits these settings from the document, unless `OverridesDocumentUnits` is set to `True`. These settings only affect interactive use; they do not affect the behavior of the API.
- A `CoordinateSystem` specifies local origin and axis directions. It contains three `CoordinateAxis` objects. `Part.CoordinateSystems` returns the origins in the part, and `CoordinateSystem.Create` can create new origins.
- `Body.CreatePlanarBody` lets you create a planar body from a profile.
- `Document.Open` and `Component.CreateFromFile` now take a `strictImport` argument which controls whether a component is created for each body when an ACIS file is imported.
- `Moniker.ResolveSurvivors` allows you to get the surviving objects of an object was replaced, such as when a face or edge is split during a modeling operation.
- `DesignFace` and `DesignEdge` have an `ExportIdentifier` property that provides the value of the name attribute applied to the corresponding face or edge when the model is exported as an ACIS or Parasolid file.
- `CustomPropertyCollection` is now named `CustomPropertyDictionary`.

Resolved issues

The following issues were resolved in SpaceClaim 2008 SP2.

Volume of interference calculated correctly

Sequentially-calculated volumes of interference are now calculated correctly.