



Modern, Open 3D Drives Engineering Productivity

SpaceClaim Corp. makes 3D modeling accessible through a highly flexible design environment coupled with a modern user experience. With SpaceClaim Professional 2007, engineers retain focus on their core competencies while benefiting from a powerful 3D modeler that speeds their contributions to the product development process. SpaceClaim distinguishes itself further with an open data format that ensures full and continued access to product definition.

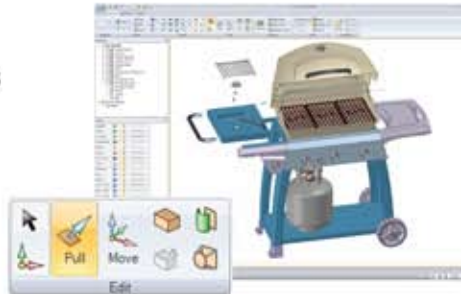
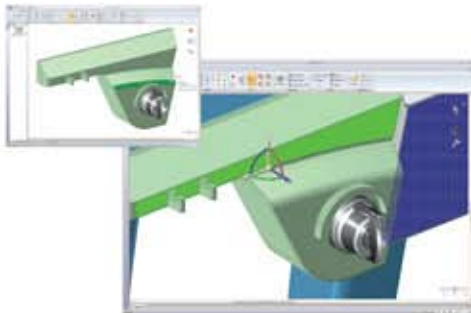
"Techshot™ needed a conceptual design tool that our engineers and scientists could use. Our team's creativity in developing solutions to very challenging problems requires a truly flexible modeling environment and one that is suitable for part-time use since design is only one aspect of their engineering contributions. We chose SpaceClaim because it meets these requirements."

*- Mark S. Deuser, Co-founder,
President, CEO of Techshot*

Speed your valuable contributions to the product development process:

Contribute fully to Mechanical Design

- Complements 3D CAD
- Improves cross-functional design iterations
- Promotes data access through open XML



Accomplish More with Modern 3D

- Efficient graphical user interface (GUI)
- Invaluable design hints while modeling
- Familiar 2D methods for 3D edits

Increase Engineering Productivity

- Highly-flexible 3D modeling
- Real-time design changes
- Powerful, intelligent tool set

SPACECLAIM PROFESSIONAL 2007

SpaceClaim Professional 2007 provides robust 3D modeling capabilities, using a select number of intelligent tools, in a unified part and assembly workspace. SpaceClaim Professional 2007 key features and benefits include:

- **Flexible Modeling** technology provides a highly-adaptive design environment that supports unanticipated design directions, making SpaceClaim ideal for conceptual engineering, design creation, and modification.
- **Open XML data format** makes all design data accessible for product data and lifecycle management, ensuring long-term protection of customer data.
- **Geometric Inferencing** works unobtrusively and in real time to highlight design similarities, such as equal radius holes or coplanar surfaces, to aid the user during geometry creation and modification.
- **Integrated Workspace** for parts and assemblies supports top-down design by enabling users to split and merge components and to alter assembly structure as needed.



SpaceClaim Professional 2007

User Interaction Advancements

- **SmartTools™** understand the user's modeling intent simply by recognizing what geometry is selected and in what context. By determining what operation to perform without excessive drop-down menus, dialogue boxes, and user clicks, SpaceClaim dramatically improves users' productivity.
- **Hints** are a unique user interface advancement that automatically presents design considerations, such as maintaining same size holes or wall thickness, in the form of localized "snaps." Hints eliminate the need for the user to enter specific dimensions or interrogate the model before changing or adding geometry.

Main Tools

- **Sketch environment** lets users sketch to exact dimensions or create a rough layout for future modification. Sketching entities include lines, arcs, and splines. Sketching tools include trim, offset, and project to sketch. Sketches remain free of constraints, which makes the resulting 3D geometry completely flexible.
- **Pull Tool** creates and modifies geometry with a simple action. Users can pull a surface to create an extrusion, pocket, or hole. Users can also pull a surface to rotate it around an axis or to create a blend by pulling the surface through different sections. Pulling a profile along a path creates a sweep, and pulling an edge creates a round or chamfer.
- **Move Tool** speeds the process of moving or copying geometry in a design by providing a 3D handle to reference how geometry should be located along a specified direction or rotated about an anchor point. SpaceClaim also supports familiar Microsoft Cut and Paste commands to move and copy geometry.

Data Exchange

SpaceClaim provides a full suite of data exchange capabilities. Imported 3D data can be modified as if it was originally created in SpaceClaim. Imported 2D data can be used to create 3D geometry.

• Data Import

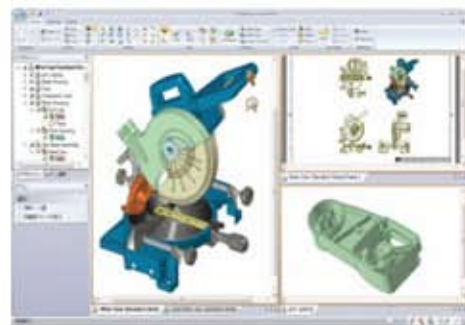
- Industry standard file formats: JT, ACIS®, Parasolid®, IGES, STEP, VDA, DWG, and DXF™
- Native file formats: CATIA® V5 and V4, NX®, Pro/ENGINEER®, SolidWorks®, and Inventor®

• Data Export

- Industry standard file formats: JT, ACIS, Parasolid, IGES, STEP, VDA, DWG, and DXF
- Native file formats: CATIA V5

- **Power Select** enables users to search the model for like geometry and to select as a group from the resulting list in order to modify, move, or delete all at once. Given the frequency with which users perform select operations, this streamlined selection process greatly improves personal productivity and overall design efficiency.
- **Modern GUI** based on the latest Microsoft® technology enables users to focus on working with the design, rather than on working with the software.

- **Section Tool** provides a way to modify a 3D model by directly changing section geometry located anywhere within the design. This intuitive operation is familiar to those used to working in 2D.
- **Associative Drawing** environment enables design changes, as well as geometry creation and modification, from within drawing views. The drawing environment provides a familiar work space for those accustomed to working in 2D. Drawings support annotations, including geometric dimensioning and tolerances, to JIS, ISO, and ANSI® standards.
- **3D Mark-up** documents design changes using mark-up dimensions that automatically indicate both previous and current dimensional values. Compare function overlays the original model on the changed model and automatically displays all differences in color-coded highlights.



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