



Altair Inspire Studio is a new software solution that enables designers, architects, and digital artists to create, evaluate and visualize design ideas faster than ever before.

Product Highlights

- Intuitive and easy-to-learn user interface with unlimited construction history
- Free-form shapes with polygonal modeling, solid modeling, and smooth and continuous NURBS geometry, all working in unison
- Powerful sketching environment to create and edit 2D sketch curves
- Real-time photo realistic rendering and animations
- Available on both Windows and Mac

Altair Inspire Studio empowers user throughout the creative process with unrivaled flexibility and precision, its unique construction history, along with multiple modeling techniques.

By building on the functions of Altair Evolve, Inspire Studio introduces a sleek, efficient user experience. Each tool and workflow are now optimized for an efficient design experience from initial sketches to exploring concepts with parametric NURBS-based polygonal, surface, and solid modeling.

Produce stunning product presentations in real-time with the in-built high-quality, physically-based global illumination rendering engine.

Running on both MacOS and Windows as a standalone product or under Altair's token-based licensing model, Inspire Studio frees designers' creativity from the constraints of traditional CAID tools, while assuring export of robust digital models for product development.

Benefits

Change What's Possible

Inspire Studio enhances creativity by letting designers drive their design. Via an intuitive user interface, with its powerful construction history, quickly create, explore multiple iterations, and make changes without any rework.

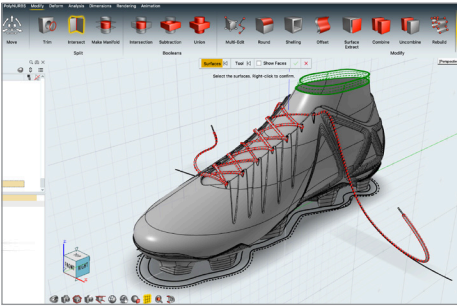
An Open Invitation

Mix and match modeling techniques within the same environment. Combine fast, free-form polygonal modeling with the control and precision of surface and solid modeling to effortlessly create and explore even the most challenging designs.

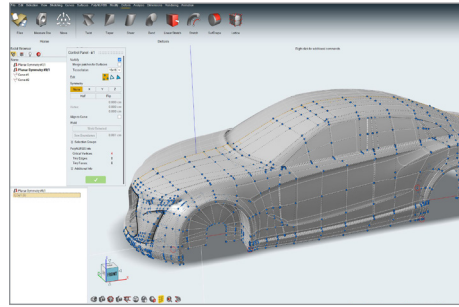
Recalibrate Reality

Offering an intuitive setup, large choice of environments and materials, Inspire Studio's rendering engine creates stunning images and complex animations, in real time with physically accurate lighting.

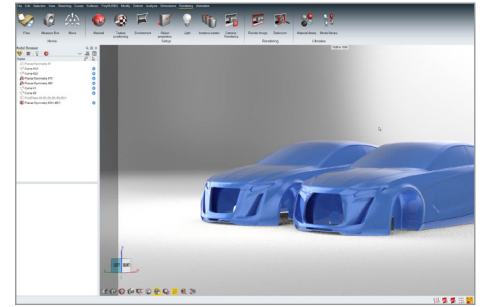
Learn more:
altair.com/inspire-studio



A natural and efficient workspace



Multiple modeling techniques



Physically-based lighting engine for rendering

Capabilities

Construction History

Automatically backtrack to an earlier stage of your design, reusing or modifying objects from past stages in real-time.

Sketching

Create and edit constraint-based technical sketches, by easily applying geometric relationships between components.

Surfaces & Curves

Utilize Non-uniform Rational B-Splines (NURBS) curves and surfaces to accurately represent even the most complex shapes with flexibility and precision.

PolyNURBS

Combine the ease and simplicity of polygonal modeling with the precision and flexibility of NURBS to quickly create free-form surface and solid geometry that is smooth and continuous.

Tool Belts

One-click access to all modeling and rendering tools brings any functionality directly to you. Customize Tool Belts to meet your needs.

Rendering

Create high-quality rendered images with physically based global illumination engine in biased photo-realistic, unbiased and Presto interactive modes.

Material Library

Drag-n-drop materials from the built-in comprehensive library, or custom build from basic, metal, glass/gem, coating, metallic flake, emitter, or shadow catcher material.

Animation

Supporting both key frame and path animation methods, Inspire Studio let you take your design presentations to the next level. The Altair H3D simulation format is also supported for physics-accurate creating photo-realistic animations.

Open Framework

Having I/O interfaces to most common CAD and CAID tools included at no extra cost, Inspire Studio integrates extremely easily in existing workflows.

Direct Import

- 3D Studio
- ACIS
- CATIA 4/5/6
- DWG
- DXF
- H3D
- IGES
- Inventor
- NX
- OBJ
- Parasolid
- Point cloud
- PolyNURBS
- Pro/E
- Rhinoceros
- SolidWorks
- STEP
- STL
- sT Evolve
- SVG
- Thea Studio

Export To

- 3D Studio
- ACIS SAT
- DWG
- DXF
- IGES
- OBJ
- Parasolid
- PDF
- Rhinoceros
- STEP
- STL
- SVG
- VDAFS
- VRML

Inspire Studio is currently available for Windows 64-bit and MacOS. See website for details and hardware specs.



Wide range of materials and environments



Soccer cleat modeled and rendered in Inspire Studio



3D-printed pen with organic design