RELEASE NOTES

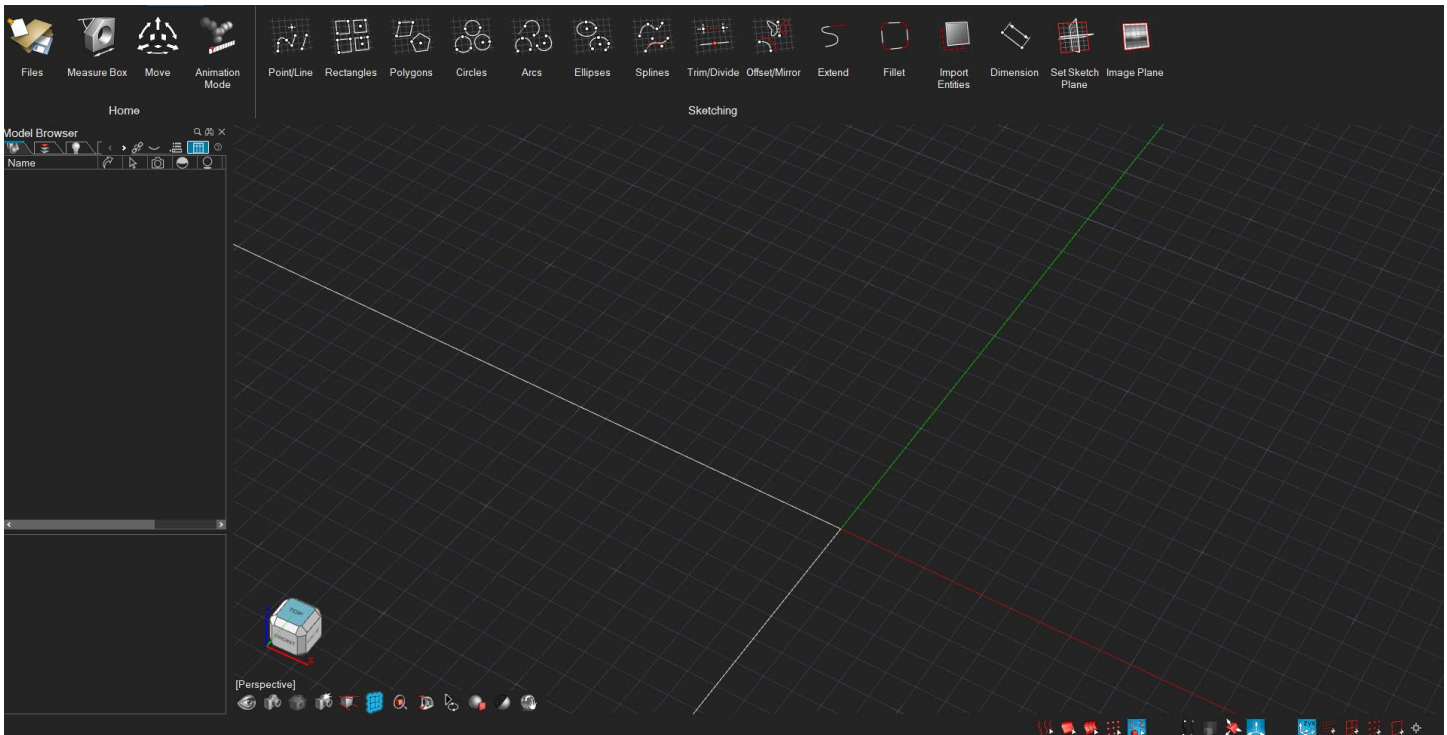# Altair® Inspire™ Studio 2022 and 2022.0.1

New Features and Enhancements 2022

Altair Inspire Studio 2022 includes the following new features and enhancements.

Dark Theme

Dark Theme is now supported throughout Inspire Studio. You can change the theme in the **Preferences** under **Workspace > Theme**.

Graphics

This release includes improved RTX support and performance.

Rendering

- Moved the Material Library to the Browser Panel
- Moved the Model Library to Browser Panel
- Improved the user interface for the Environment, Texture Positioning, and Material Editing panels.
- Added "Render" as a user profile.

Die Design

Part – Extend

The new Part Extend tool allows you to select part edges to extend. Extension is facilitated by ribs to allow a smooth transition between the surfaces along the edges.

Addendum - Loft

Rib plane direction manipulator for the Addendum Loft tool has been enhanced to better understand the plane definition and facilitate easier addendum creation.

Addendum - Extend

Extend

Rib plane direction manipulator for the Extend tool has been enhanced to better understand the plane definition and facilitate easier addendum creation.

Extend Bridge

The new Extend Bridge tool allows you to extend surfaces with bridge surfaces to ensure continuity of the extended surfaces around the part.

Trim Extend

With the new Trim Extend tool, you can now trim the extended surface by the wall and add rounds to create an addendum.

Drawbead

Bead line

The new Bead Line tool allows you to create a bead centerline/path for a drawbead. The line can be defined as an offset from die surface edges, or can be sketched on the die surface as a spline curve. This tool also includes an option to define relief at the ends of the bead line.

Drawbead

This new tool allows you to create a 3D drawbead on the die surface using a bead line. You can add parametric-based bead profiles at a specific location on the bead line to create the drawbead.

Resolved Issues

- When changing environment maps, the environment lights are now removed.
- Various bug fixes.

Known Issues

- Mac support will be limited to MacOS versions 10.14 (Mojave), 10.15 (Catalina), 11 (Big Sur), and 12 (Monterey)

- Mac M1 hardware will not be supported.

- Offline help on Mac is no longer supported on Safari. We recommend using Firefox to view the offline help.

New Features and Enhancements 2022.0.1

Altair Inspire Studio 2022.0.1 includes the following enhancements and resolved issues.

Enhancements

- Importing EDEM files now set the animation length as per the EDEM data

- Importing .h3d files now sets the animation length and frames per second as per the .h3d data

- Improved performance for tessellating large meshes

- Various stability and robustness improvements

Resolved Issues

- Fixed missing parameters in Texture Positioning Labels

- Fixed an issue with EDEM particles rotating in the wrong direction

- Fixed an issue with background maps not being updated in Realtime and RTX rendering

- Fixed an issue with Path Animation not being visible in the camera list

- Fixed an issue in the Design Table where angular variables were displayed in degrees rather than radiants

- Fixed an issue with construction history not being displayed when selecting objects in the browser

- Fixed various UI issues with the PolyNURBS Mini Move Tool

- Fixed an issue with PolyNURBS edges not being selectable when behind hidden or for transparent faces

- Fixed an application crash while filleting a die that has multiple trim loops

- Fixed an issue where the rib types "Start with Arc" and "Line with Arc" were not displayed upon creation

- Fixed an issue where drawbead section definition was lost upon editing the bead line

- Fixed an issue where the drawbead end angle at both ends was not symmetrical
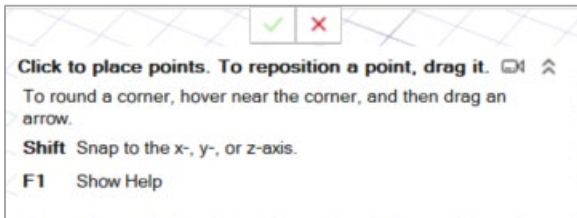
Learn More About Inspire Studio

You can learn more about new and existing features in Inspire Studio using the following resources:

In-Application User Assistance

Workflow help appears when you select a tool that opens a guide bar or microdialog. The text prompts you what to do next.
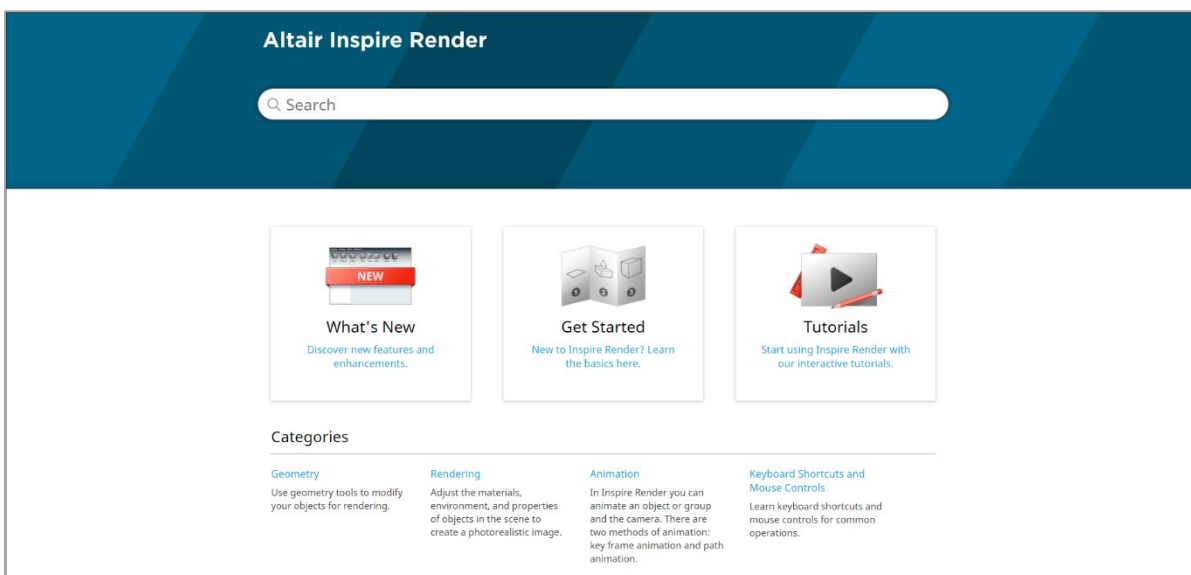
Click ⌄ to view additional tips and shortcuts. Some tools also include a video ☐.

Online and Offline Help

Press **F1** or select **File > Help > Help** to view the online help.

You can download an offline version by selecting **File > Help > Download Offline Help**. An internet connection is required to download.