

 RELEASE NOTES

# Altair<sup>®</sup> Inspire<sup>™</sup> Extrude 2022.2

# New Features and Enhancements 2022.2

The Inspire Extrude 2022.2 release includes the following new features and enhancements.

## Metal Extrusion

### Symmetry BCs

In this release, users can select the symmetrical surfaces in the Process Data group. On the selected surfaces, symmetry boundary conditions will be applied. This will help the users select and specify the symmetry condition more accurately. In the previous releases, Inspire was automatically detecting these surfaces, and that method was dependent on the specific orientation of the part and other conditions. With this new approach, users can solve a larger class of problems and save computational time by using symmetry boundary conditions. (IEXT-2877)

### Invoke HyperMesh after Data Export

A new option to launch HyperMesh after data export is implemented. This option can be turned on in Preferences. This feature is enabled only for the *Export* option and not the *Run* option. After the solver inputs decks are generated, the HM application is invoked with the completed model. (IEXT-2884)

### Creating and Editing Tool Material with Temperature Dependent Stress-Strain Data

Perform elasto-plastic analysis with greater accuracy with tool materials that specify temperature-dependent stress-strain curves. In this release, the adding, editing, and deleting of the individual curves is improved. (IEXT-2893)

### Organize Model

When organizing the models, the OK button in the panel was closing the GUI after applying the changes. In this release, it is replaced with the Apply button. This enables the users to change the dimensions and re-apply those multiple times in the GUI without having to reinvoke it again. (IEXT-2840)

## Polymer Extrusion

### Invoke HyperMesh after Data Export

A new option to launch HyperMesh after data export is implemented. This option can be turned on in Preferences. This feature is enabled only for the *Export* option and not the *Run* option. After the solver inputs decks are generated, the HM application is invoked with the completed model. (IEXT-2884)

## Online Help

### Dark Theme for Online Help

Use the button in the footer to toggle between dark and light themes.

**Note:** Firefox does not support dark theme for locally installed help files.

### Version Navigator for Online Help

Navigate to other versions of the Altair Simulation online help.

**Note:** This feature is not supported in locally installed help files. Online help for previous releases does not have this feature and remains unchanged.

### Cookie Consent

The help footer now contains a cookie consent option. Click the link to review and revise your settings.

## Resolved Issues

The following issues have been resolved for the 2022.2 release:

### Metal Extrusion:

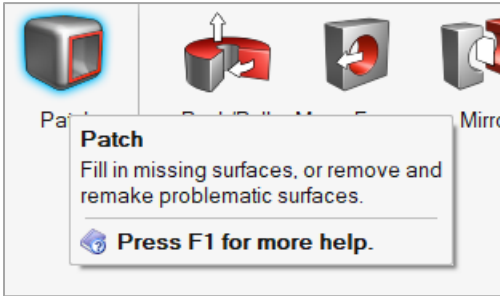
- Submit Job panel. The parameters used while submitting the run can be changed in the run submission panel. Some of these changed parameters were not stored and, while reinvoking this GUI, default values were shown instead of the user-modified values. This issue is resolved in this release. (IEXT-2861)

# Learn More About Inspire Extrude

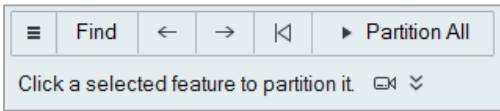
You can learn more about new and existing features in Inspire Extrude using the following resources:

## In-Application User Assistance

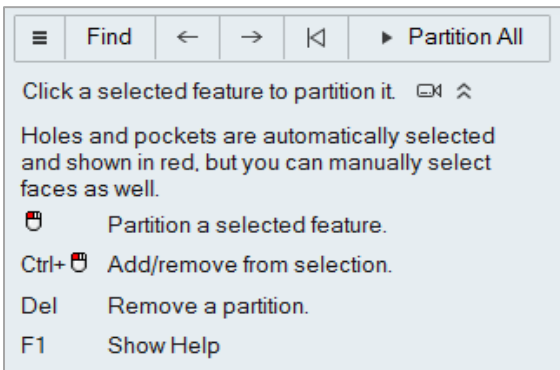
Inspire Extrude provides two types of user assistance. **Enhanced tooltips** appear when you hover over icons and other features. They describe what the tool does.



**Workflow help** appears when you select a tool that opens a guide bar or microdialog. The text prompts you what to do next.

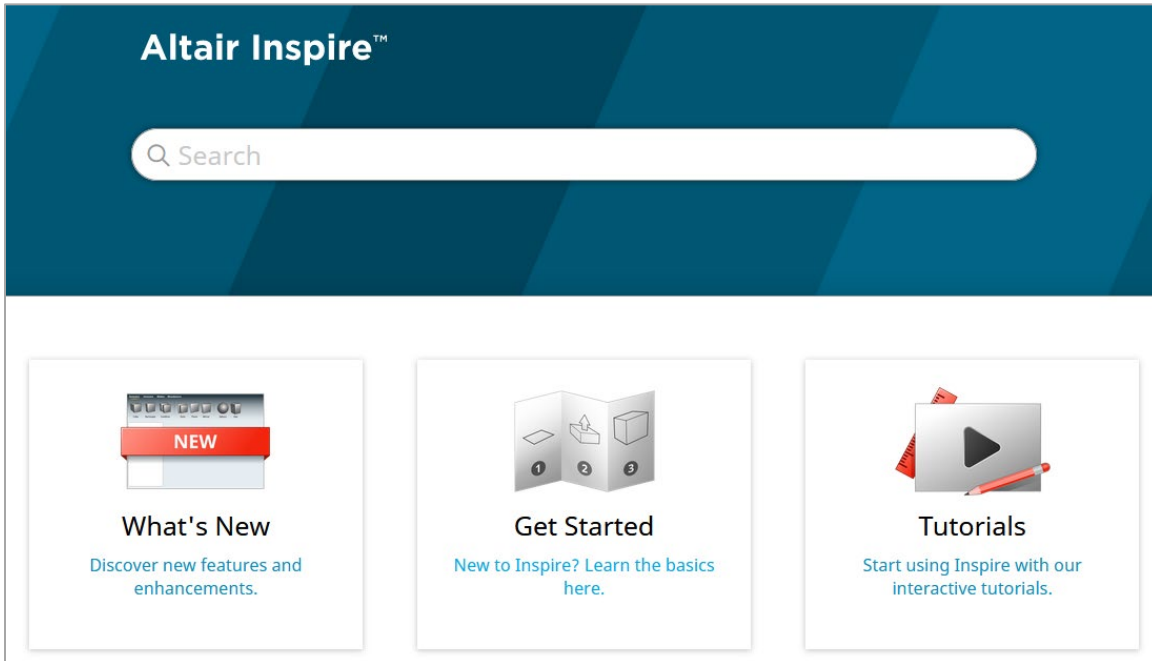


Click to view additional tips and shortcuts. Some tools also include a video .



## 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.

