RELEASE NOTES

# Altair® Inspire™ Form 2024

ALTAIR

New Features and Enhancements 2024

The Inspire Form 2024 release includes the following new features and enhancements.

General

Press Coordinate System

The model setup and result visualization are now possible in Global Coordinate System or the Press Coordinate System. The Press Coordinate System is automatically created based on the draw direction. The user can switch between Press Coordinate System and Global Coordinate System using the context menu option "Align Model to Draw Direction".
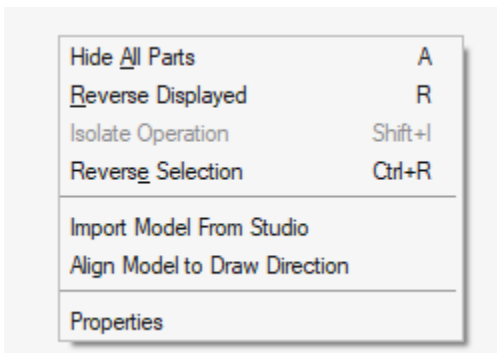
Materials

The stress – strain curve can be defined using a combination of Swift with Hockett-Sherby law or using Swift Voce law. Material yielding can be modeled using the Barlat 2000 yield criterion.

Callouts

Automatic callout creation that was disabled in version 2023 is now available in 2024.

Tryout

Line Drawbeads

Line Drawbeads can be created by offsetting a wire body (edges or curves) and projecting it on to the attached tool surfaces.

Resolved Issues

The following issues have been resolved for the 2024 release:

- Show Thickened now adds thickness on both sides of the shell elements rather than on one side as in previous versions.

- Edge Strain and Displacement Contour graying out after turning on Initial shape is now fixed.

- Results contour color on the object not changing with legend value is resolved.

- Blank nesting on sheet showing incorrect number of components is fixed.

- Blank nesting results positioned out of the sheet layout is resolved.

Learn More About Inspire Form

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

In-Application User Assistance

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

NURBS Curve
Create a NURBS curve, which is a free-form curve.

⑦ **Press F1 for more help.**
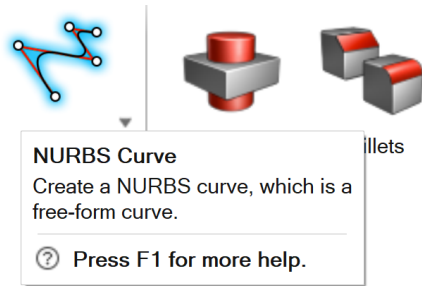
Workflow help appears when you select a tool that opens a guide panel, guide bar, or microdialog. The text prompts you what to do next.

Degree 3 ⌄ | ▶ | ✓ | ⏮ | ✕

Click to place the control points. ▭◁ ⌄

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

Degree 3 ⌄ | ▶ | ✓ | ⏮ | ✕

Click to place the control points. ▭◁ ⌃
To edit after creation, right-click the NURBS curve in the History Browser (F6), and then select Edit.
F1 Show Help

Online and Offline Help

Press **F1** or select **File > Help > Help** to view the online help.
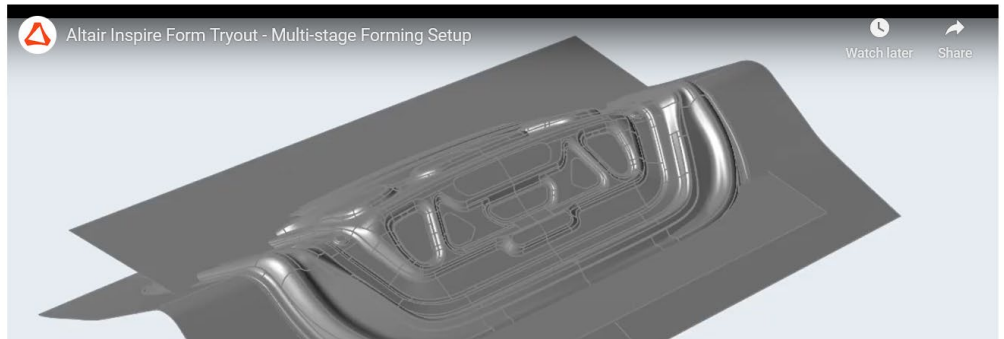
You can download an offline version by selecting **File > Help > Download Offline Help**. An internet connection is required to download.
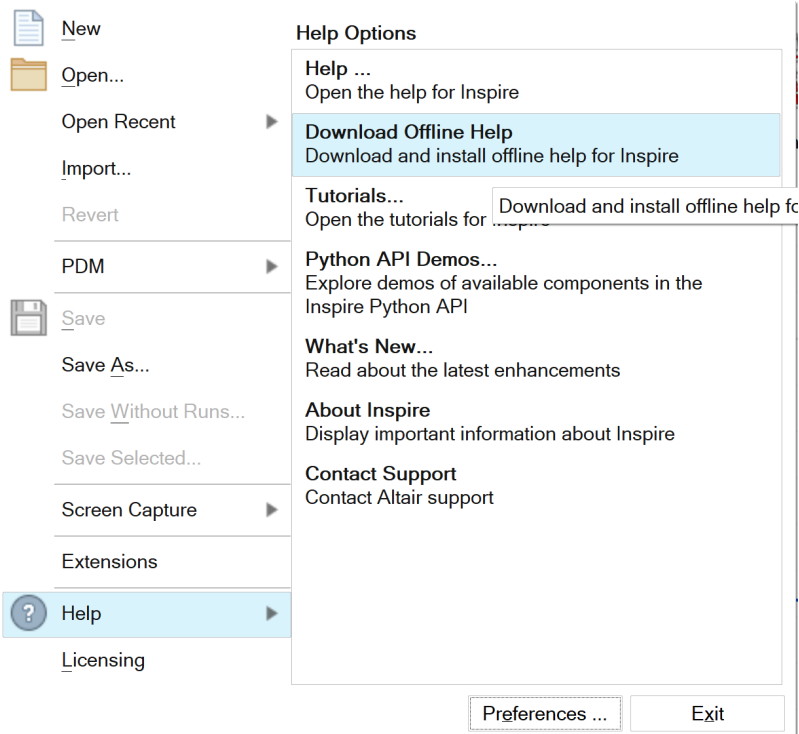
Supported Languages

The language for the user interface and online help can be changed in the Preferences under Workspace > Language. User interface text is available in English, Chinese, French, German, Italian, Japanese, Korean, Portuguese, and Spanish.

The online and offline help is available in English at the time of release, and in Chinese, Japanese, and Korean generally 1 to 2 months after release. If a language is selected in the Preferences that is supported for the user interface text but not for the help, the English help is shown. Similarly, if an unsupported language is selected in the Download Offline Help dialog, the English offline help will be downloaded instead.