

 **RELEASE NOTES**

Altair[®] Inspire[™] PolyFoam

2023

New Features and Enhancements 2023

Altair Inspire PolyFoam 2023 includes the following new features and enhancements.

Variable Mass Rate

A new option has been added to the injection configuration window that lets you to define an editable time dependent mass flux.

Material: Crash Pad, 25.0 C, R 12.0 mm
 Mass Rate: 0.52 kg/s, Variable Mass Rate
 Start Time: 0.0 s, Path

	Shoot	Holding Time (s)	Shoot	Moving Time (s)
1	<input checked="" type="checkbox"/>	6.008		

Total time: 6.008 s Total mass: 2.253 kg

Variable Mass Rate

Time (s)	Massflux (kg/s)
1 0.0	0.1
2 3.0	0.3
3 6.01	0.8

Sensors in Pouring Cup

You can now add and edit sensors to the pouring cup. This will provide useful information about specific locations in the pouring cup.

Prefill Percentage: 20.0%

Material: Crash Pad, 25.0 C

End time condition: 300.0 s

Environment HTC: 87e-5 W/(mm²*K)

Environment Temperature: 20.0 C

Sensors +

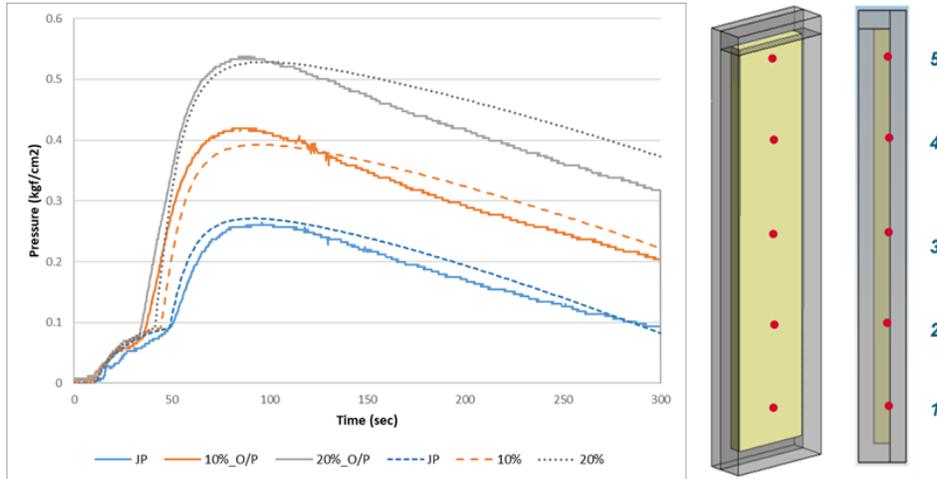
Shape options ^

Height: 100.0 mm

Radius: 50.0 mm

Residual Stress Analysis

A new result has been added to the injection and foaming stage. You will be able to see residual stress analysis when you run any of the refrigerator cabinet materials.



Nozzle Exportation

When you create a nozzle path using the injection window, now you will be able to export that path to be used in future simulations or to share with someone else.

Material Refrigerator C R

Mass Rate Variable Mass Rate

Start Time Path

	Shoot	Holding Time (s)	Shoot	Moving Time (s)	
1	<input checked="" type="checkbox"/>	0.64			

Total time: 0.64 s Total mass: 0.333 kg

Learn More About Inspire

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

In-Application User Assistance

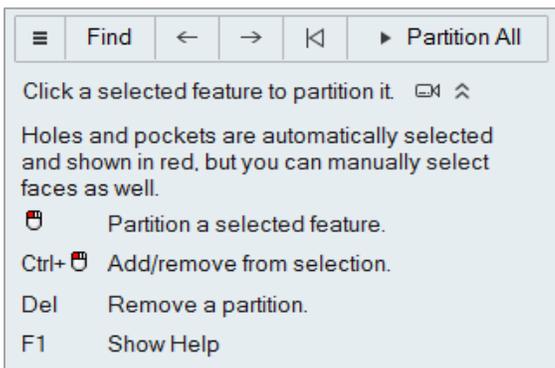
Inspire provides two types of user assistance. **Enhanced tooltips** appear when you hover over icons and other features. They describe what the tool does.



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

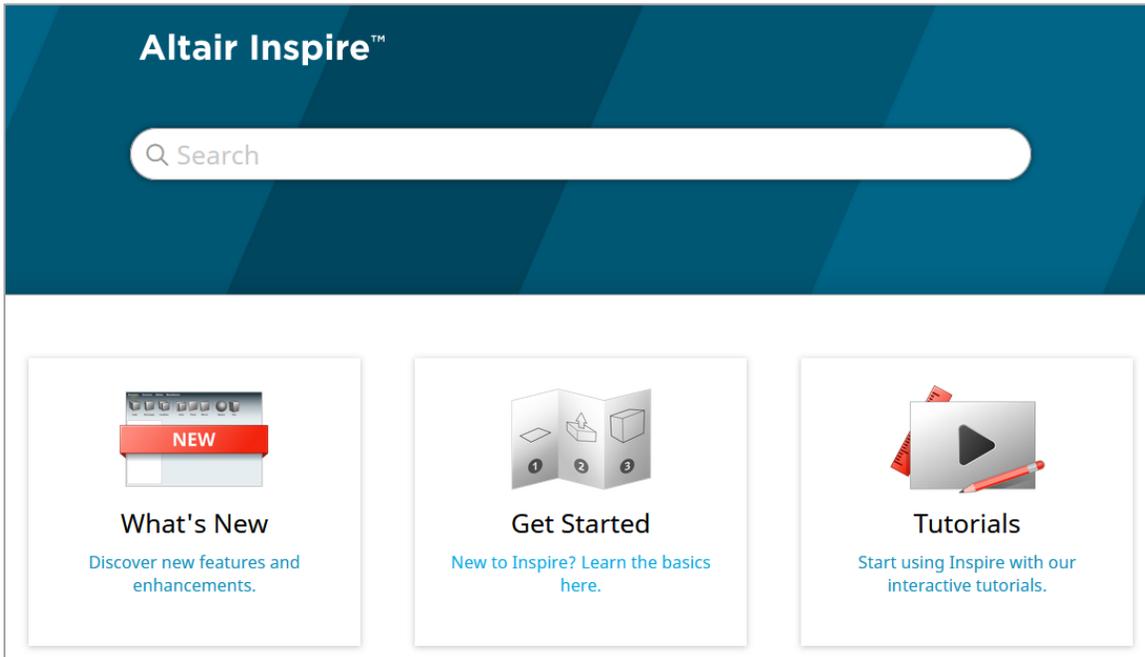


Click to view additional tips and shortcuts. Some tools also include a video .



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.

