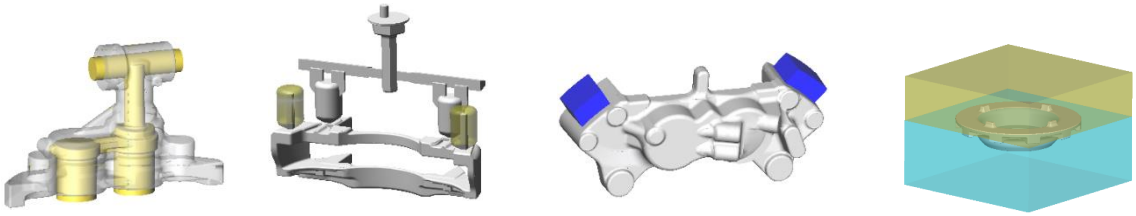
Click2Cast 4.0 Release Notes

Highlights

The following features and capabilities have been added or modified for Click2Cast® version 4.0. New features include Additional Components, Virtual Mold, Investment Casting, Gravity Casting Settings, New Porosity Visualization.

Additional Components

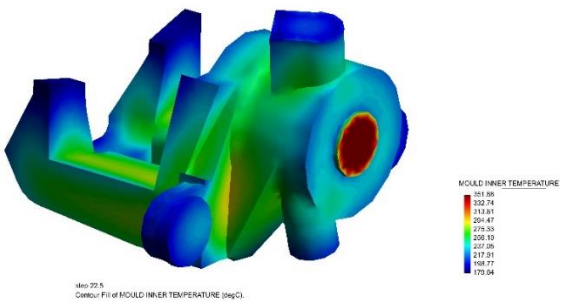
The Additional Components option allows you to simulate commonly used casting components including a Core, Chiller, Sleeve, and a second Mold Material.



Virtual Mold

C2C works in the background to automatically create a mold mesh and calculate the heat transfer between the mold and the part.

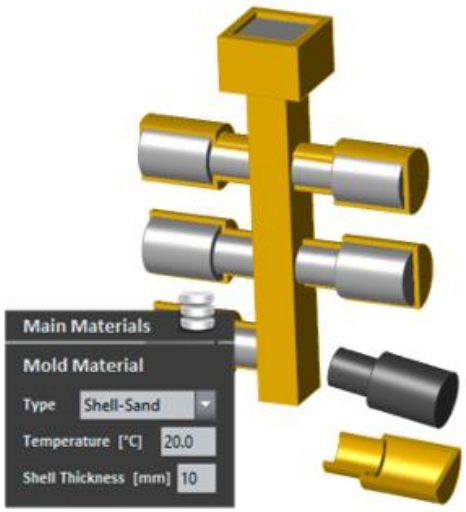
Now users can analyze the mold temperature by clicking on the Mold Temperature button under Solidification Results.



Investment Casting

Now it is possible to simulate the investment casting process in Click2Cast.

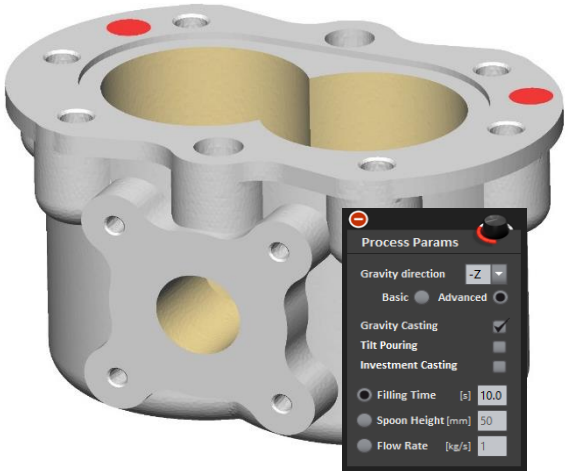
By selecting the investment material, temperature and shell thickness the user will be able to simulate this process.



Gravity Casting Settings

Gravity casting settings have been remodeled and now it has more features and it is easiest to access to them.

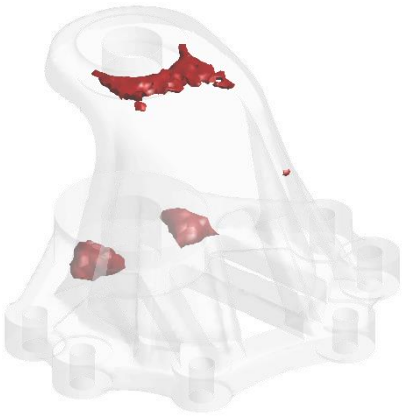
In addition to Filling time, now it is possible to entering new settings as spoon height and flow rate for the gravity casting process.



Porosity % Results

The visualization of the Shrinkage Porosity result has been improved.

Now it is possible see and analyze the real size of the holes created by the contraction of the material, see the maximum porosity and view the porosity result in different percentages.

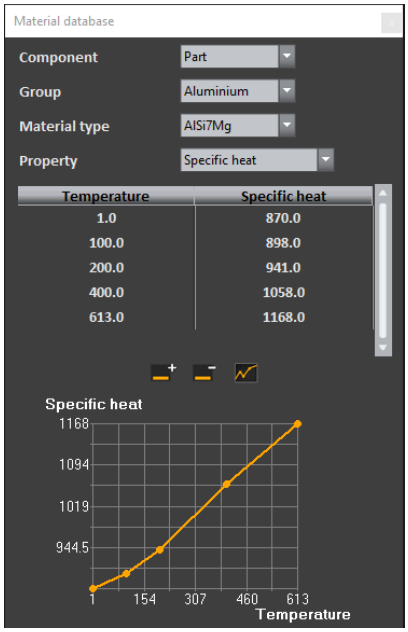


Coming soon...

Material Editor

Thanks to the new material editor, it is possible to add and modify new materials, as well as control all the properties and temperatures.

The user will be able to edit his own materials very easily and export / import all the material properties.



In addition to these implementations, it has been added new materials, the visualization options have been improved and calculation times has been reduced for filling and solidification calculation.

For any further information, please, consult the help manual or contact us at support@solidthinking.com.

Click2Cast team.