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Instant Mould Preview

Create a mould geometry from a STL model and get feedback about the feasibility of a design by visualizing:

Model dimensions and quality
 Splitting directions
 Core and cavity splitting
 Slide surfaces
 Areas without draft
 Parting planes
 Mould dimensions

Quick Reference Guide

Welcome To i-Know Moulding

-  Open STL Model
-  Help and support
-  Check for updates
-  Post Feedback

Application Tools

-  Create Mould Preview

Warnings : 3

- STL-Quality
- Slides Found
- Splitting Difficulties
- Draft Angles
- Steep Parting Plane

i-Know Moulding Results

-  View Details
-  Edit Mould Generation
-  Export Options

Importing a 3D model:

I-Know Moulding imports STL (Structural Triangulation Language), which can be exported from virtually every CAD system. Use error-free STL models to obtain optimal results

The model will be displayed in 3D in the right section of the screen.

3D Viewing

Press and hold the **right mouse button** while **moving** the mouse to rotate in 3D. Doing this while holding the CTRL key on the keyboard will **zoom in / out**; zoom in: move mouse down, zoom out: move mouse up. Doing this while holding the ALT key will result in **panning**.

Creating a Mould Preview:

Press "Create Mould Preview" to start the **mould generation** process.

This process is performed automatic and can take some time when working with very detailed models.

Viewing the result of the Mould Preview:

After finishing the calculation, the software shows an animation of the mould opening. Click on "View Details" to display the **mould dimensions**.

Hold the **left mouse button** and move the mouse up or down to **open/close the mould**. Use the checkboxes in the upper right of the screen to **show/hide** the different models.

Mould verification:

If warnings were found during in the mould preview, they are highlighted in red.

Warnings can be very effective in **getting early feedback** on the problems that might occur in the actual mould making process.

Click on a highlighted warning to check the reason why the software raised this warning.

Working with the results:

When the dimensions of the mould are displayed (click "View Details"), click on a dimension-label to **change the dimensions** of the mould blocks.

Click "Edit Mould Generation" to show the edit menu for the mould generation process.

Editing can be done by changing the split direction, core/cavity or parting plane.

Click "Export Options" to show the different export possibilities.

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