

Autodesk® Moldflow® Communicator 2012

Introduction

Autodesk®

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Introduction to Autodesk Moldflow Communicator

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Autodesk® Moldflow® Communicator is a freely-available program which you can use to view analysis results produced by Autodesk Moldflow Adviser or Autodesk Moldflow Insight, or Mold Design documents from Autodesk Inventor Professional.

Using Autodesk Moldflow Communicator you can examine 3D models of a part, color-coded to indicate analysis results such as fill time, warpage, part temperature and density.

Using results

Results are normally color-coded, with red showing the maximum value for the displayed result, and blue showing the minimum. For reference, a rainbow scale appears in the model window showing the range of result values.

Some results can be animated over time to show how the result varies during the molding cycle. For example, you can animate the Fill Time result to see the part being filled.

Some results can be overlaid simultaneously on the model view. For example, you can see the severity of weld lines by overlaying Weld Lines and Temperature results, to see both where the weld lines occur and what temperature the melt was at when they formed.

You can define a cutting plane through a part to view a cross-section of a result through the part's thickness.

Result files

All of the results for an analysis are contained in an Autodesk Moldflow Results file (*.mfr). This file is a package of up to two studies, featuring the same or different models under different sets of processing conditions.

If an Autodesk Moldflow Results file contains two studies, you can compare them visually, side by side, to help you to choose which model or processing conditions produce the better part.

If you have production criteria for your part, such as a maximum cycle time, a part weight tolerance, or a maximum machine clamping force, you can display these criteria in a table next to the actual values from the studies in an Autodesk Moldflow Results file.

Getting help

The dynamic help panel describes the currently-displayed result and suggests how to use it. When no result is displayed, the dynamic help panel shows the help's home page.

At any time you can press **F1** or click the question mark icon in the Quick Access toolbar for assistance.

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
You can use the Launch Wizard to easily open an Autodesk Moldflow Results file.

Using the Launch Wizard

The Launch Wizard is displayed when you run Autodesk Moldflow Communicator, and is used to locate and open an Autodesk Moldflow Results file.

NOTE: To stop the Launch Wizard from opening when you run Autodesk Moldflow Communicator, click the **Do not show wizard again** checkbox. To enable the Launch Wizard again, select **Use Wizard at start** from the Autodesk Moldflow Communicator Options.

To open a results file

- 1 Use one of the following methods to select a file:
 - Enter the path and filename of your Autodesk Moldflow Results file (*.mfr).
 - Click  **Browse** to locate your Result file.
 - Select the file you want to open from the list of **Most Recently Viewed Files**.
- 2 Click **Next**.
- 3 Click one of the following options to choose how the result(s) should be displayed:

Visualise Results

This allows you to view the results of the analysis graphically.

Compare Results

This option requires two studies in the Autodesk Moldflow Results file. The first result of each study is displayed graphically in a tiled pane.

Quantify Results

This allows you to compare results to an Autodesk Moldflow Criteria file to analyze where the inputs and results of the study differs from the criteria.

Criteria Files contain optimum values or ranges for input values and results.

NOTE: You should only compare studies with relevant criteria.

- 4 Click **Finish** to close the Launch Wizard.

If you selected to Visualise results, the first result in the first study is displayed.

If you selected to Compare results, the first result in both studies are displayed in seperate panes.


If you selected to Quantify results, the Study Comparison Report is displayed.

Enabling the Launch Wizard

The Launch Wizard is displayed when you run Autodesk Moldflow Communicator for the first time

You can be disable the Wizard by clicking the **Do not show wizard again** checkbox. You can enable the Launch Wizard to be displayed at the start of Autodesk Moldflow Communicator by setting a preference.

To enable the Launch Wizard

- 1 Click  then **Options**.
- 2 In the **Options** dialog, click the **Language and Help System** tab.
- 3 In the Introductory help group, click the **Use wizard at start** checkbox.
- 4 Click **OK** to close the Options dialog.