

Autodesk® Moldflow® Insight WS 2012

What's New in this Release

Autodesk®

Revision 2, 26 August 2011.

Autodesk® Moldflow® Insight Web Services

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Published by:

Autodesk, Inc.
111 McInnis Parkway
San Rafael, CA 94903, USA

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What's new

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Autodesk Moldflow Insight Web Services is a cloud application, based on Autodesk Moldflow Insight Advanced, which provides users with access to the computing power of multiple high-end machines, and the ability to run many analyses at the same time.

With Moldflow Insight WS, the User Interface runs on your desktop computer where analyses are set up and subsequently results are analyzed. The computationally intense functions, like the meshing and the analysis, are performed in the cloud, leaving you free to complete other tasks on your desktop. Offloading simulation to the cloud helps unleash the true power of simulation by enabling you to run many different analyses in parallel, with access to sufficient memory and the overall capacity required to perform simulations in less time.

Key Benefits

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| Optimize designs with ease | An intuitive interface allows for quick and easy simulation setup, so any Moldflow Insight WS user can optimize their design against factors such as part weight, cycle time, and injection pressure. |
| Work in parallel | While the software is performing multiple simulations "behind the scenes" in the cloud, the designer or engineer can continue to do other work on their desktop. |
| Tap into unrivaled performance | Offloading simulation to the cloud helps unleash the true power of simulation by enabling users to simulate many different design configurations in parallel, without waiting for the availability of a license or compute power. |
| Simulate even large models wherever you are | As long as there is an internet connection, an analysis can be run. The simulation will be sent to the cloud, leaving the local computer free for other tasks. |

Licensing

Autodesk Moldflow Insight WS uses a 12-month term-based stand-alone license with a cloud subscription.

The 3-tier subscription offers Basic (200 cloud units/year), Pro (800 cloud units/year) or Advanced (2500 cloud units/year). One cloud unit equates to one hour Moldflow analysis or meshing time on the cloud. Only analyses or meshing jobs will consume cloud units.

You will need an internet connection and you must be logged onto Autodesk Moldflow Insight WS to mesh a model or perform an analysis; all other operations can be performed whether or not you are logged in, and will no consume cloud time.

Language selection

Autodesk Moldflow Insight WS 2012 is available in English and Japanese. Both languages are installed by default at installation if you select the Typical installation. To change between the languages, simply select the Language and Help System tab from the Options dialog and select your preferred language.

Familiar User Interface

Autodesk Moldflow Insight WS uses the same ribbon User Interface that was introduced into Moldflow products with the 2011 release.

Users set up the analysis using the already familiar ribbon UI, and then analyze the results using the same familiar buttons. Buttons that reference activity in the cloud, such as Start Analysis and Job Manager, have a cloud on the image and have been renamed to **Analyze in cloud** and **Jobs in cloud**, to remind you that the work is being performed in the cloud.

Memory intensive functions exported to the cloud

In Autodesk Moldflow Insight WS, the user selects the appropriate mesh type then clicks the Mesh button to send the job to the cloud.

When the mesh is complete, the result is sent back to the local project directory. The user sets up the analysis in the usual manner, selecting the appropriate analysis sequence, process settings, injection location, and cooling channels, and clicks the Start Analysis button. The job is again sent to the cloud with screen output messaging to indicate job status. Now, the memory intensive functions are performed using high-end computers in the cloud, the local machine is left free to perform other tasks.

Differences between Autodesk Moldflow Insight and Autodesk Moldflow Insight Web Services

There are a few, subtle differences between Autodesk Moldflow Insight and the web services product.

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| User Interface | Moldflow Insight WS 2012 is the first Moldflow product in which the Ribbon User Interface is the only UI. The Classic UI from legacy products is no longer included. The Ribbon UI is designed to facilitate workflow and all buttons for a similar function are grouped together on the ribbon for easy access. |
|-----------------------|--|

- Graphics Processing Units** Autodesk Moldflow Insight 2012 software takes advantage of Graphics Processing Units (GPUs) to improve the analysis time for some 3D analyses. Because the high end machines in the cloud that are used for Moldflow Insight WS do not use GPUs, the screen output will indicate that no compatible GPU was found.
- Job Manager** In Autodesk Moldflow Insight WS 2012 the role of the Job Manager is reduced, since all analyses and meshing tasks are submitted to the cloud, with no option to submit an analysis to a different machine. The Job Manager manages the submission of multiple jobs, reports on the progress of the analyses and enables the user to abort an analysis.
- Intermediate results** In Autodesk Moldflow Insight 2012, certain results (for example, pressure, or temperature) can be viewed while the analysis is running. In Moldflow Insight WS 2012, these intermediate results cannot be viewed while the analysis is running. At the end of the analysis, however, the results that are sent back from the cloud are identical to those created in AMI 2012.