Autodesk Moldflow Insight Web Services 2012

System Requirements for Autodesk Moldflow Insight WS

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Autodesk® Moldflow® Insight Web Services

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Hardware requirements and supported platforms 1

Supported operating systems, hardware platforms and related information are described.

Autodesk Moldflow Insight WS supported platforms

Autodesk Moldflow Insight WS is supported on Windows platforms only.

Table 1: Supported platforms for Autodesk Moldflow Insight WS

Operating System	Service Pack
Windows 7 (32-bit edition) Professional, Enterprise and Ultimate	SP 1
Windows 7 (64-bit edition) Professional, Enterprise and Ultimate	SP 1
Windows Vista (32-bit edition) Business, Enterprise and Ultimate	SP 2
Windows Vista (64-bit edition) Business, Enterprise and Ultimate	SP 2
Windows XP Professional (32-bit edition)	SP 3
Windows XP Professional (64-bit edition)	SP 2

System specifications for Windows platforms

Table 2: Recommended minimum hardware and software specifications on Windows platforms

System component	Recommended
CPU speed	2 GHz or higher
Main memory (RAM)	2 GB or higher for 32-bit machines
Main memory (RAM)	4 GB or higher for 64-bit machines
Virtual memory/swap space	2 GB or higher
Disk space	4 GB or higher free disk space (at least 2 GB free disk space for installation)
Graphics card	512 MB DRAM or higher OpenGL-capable
Ethernet card and internet access	
Microsoft mouse-compliant pointing device	
Screen resolution	24-bit color setting at 1280x1024 or higher
Web browser	Windows Internet Explorer 7
Video viewer	Adobe Flash Player 9 or higher

Third-party software

The help system requires Microsoft Windows Internet Explorer 7.0 or higher.

Flash Player 9.0 or later is required for 32-bit browsers.

If you are using a 64-bit browser, you may have to install *http://labs.adobe.com/downloads/flashplayer10.html*.

The reports generated are optimized for use with Windows Internet Explorer 7.0 and Office 97 and later versions (PowerPoint and Word applications only).

Graphics requirements

The graphic requirements listed here reflect the minimum required to obtain acceptable simulations.

512 MB DRAM or higher, OpenGL-capable graphics card. Ensure you have installed the latest driver for your card. Please refer to the card manufacturer's website for drivers and instructions.

24-bit color setting at 1280×1024 or higher screen resolution.

NOTE: Autodesk does not guarantee the use of any particular graphics card with Autodesk Moldflow products.

Autodesk will make every effort to work with card manufacturers to resolve any problems that may arise in the use of our software with a particular card. However, we cannot guarantee that all graphics-related issues can be fixed, as they may lie within the card manufacturer's drivers rather than Autodesk Moldflow software.

Recommended

Autodesk Moldflow software makes extensive use of OpenGL and texture mapping, therefore any device offering OpenGL acceleration and texture memory will give improved performance.

2 GB memory limit on 32-bit Windows systems

Windows 32-bit operating systems have a 2 GB memory limit per process; however there are some guidelines to help you avoid errors due to this memory limit.

A large number of open studies in a project may exceed the memory limit.

Close any open studies that are not being used at a given time.

Consider splitting one project with a large number of studies into two or more projects with a smaller number of studies in each.

Even a small number of large studies open in a project may exceed the memory limit.

It is recommended to open only one study per project.

Post-processing large result files may exceed the memory limit. In particular, 3D results require greater amounts of memory.

Consider using the **Optimize memory for results display** options in the results preferences (**Application menu > Options > Results** tab) to minimize the amount of memory required to display results.

Running a Fill+Pack analysis on a model with a large number of elements may exceed the memory limit.

Try remeshing the model using a coarser mesh to reduce the number of elements.

NOTE: Note that using a coarse mesh may affect analysis accuracy, in particular for 3D models.

Running a Cool analysis on a model with a large number of elements may exceed the memory limit.

Review the mesh density in the part and on cooling circuits, and remesh using a coarser mesh if possible.

Running a 3D Warp analysis may exceed the memory limit.

If the model contains more than 800,000 elements, change the **Use AMG matrix solver** option to **No** on the **Warp Settings** page of the **Process Settings Wizard**. This option is on by default. Turning this option off enables the legacy (SSORCG) matrix solver. The AMG matrix solver is faster but requires more memory compared to the legacy solver.

Enable mesh aggregation to reduce memory requirement for analyses of thin-wall parts. Make sure the **Use mesh aggregation and 2nd-order tetrahedral elements** option is selected on the Warp Settings page of the Process Settings Wizard. This option is on by default.

NOTE: If the part geometry is thick or solid (true 3D geometry), using mesh aggregation is not recommended. Turning off the mesh aggregation option causes the original mesh to be used for the analysis. This increases analysis time and memory requirement but improves accuracy for true 3D parts.

The maximum model size on which a 3D Warp analysis can be run on a 32-bit operating system is up to 1.5 million elements (using legacy solver and mesh aggregation options).

Free resources (memory, swap space) on the machine running the analysis.

Add more resources (memory, swap space) on the machine running the analysis.

If you have tried the above options but still exceed the 2GB memory limit, consider changing to a computer with a 64-bit Windows operating system.