

Inventor® and MDTools® Settings

Optimum Performance with Large Manifolds

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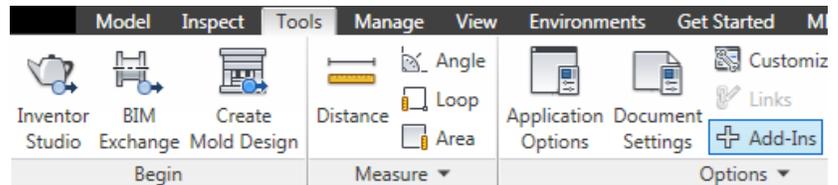
1. Inventor Settings

1.1 Remove Add-Ins

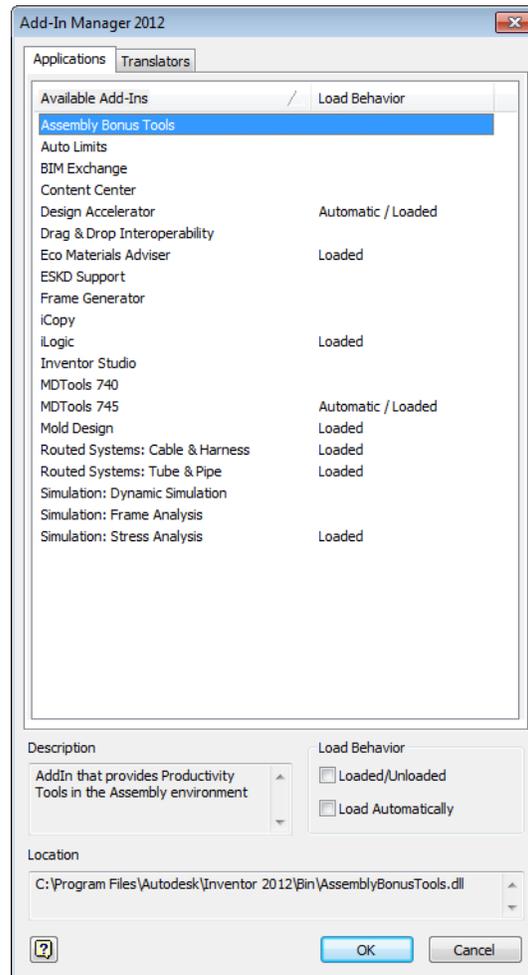
Remove Add-Ins that are not required for the current MDTools process.

All loaded Add-Ins use the Inventor and system resources, even if they are not fully active.

1. Select the **Tools** Ribbon Menu.
2. In the **Options** section, select **Add-Ins**.
The Add-In Manager 2012 dialog box displays.
3. Select the Add-In to be removed.
4. Deselect the **Loaded/Unloaded** check box.
5. Click **OK**.
6. Repeat these steps for the other Add-Ins.



Tools Ribbon Menu → Add-Ins



Add-In Manager Inventor 2012

1.2 Increase Undo File Size

Inventor requires memory space to keep track of the used commands for the Undo and Redo action.

The default size is 1024 MB and can be set at a larger size for large manifolds.

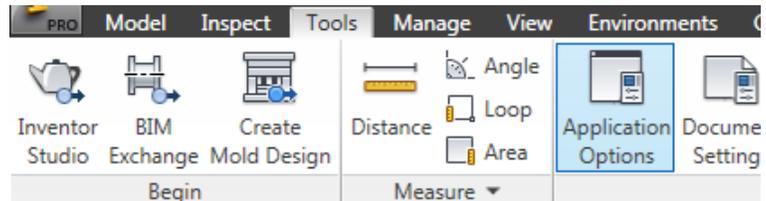
1. Select the **Tools** Ribbon Menu.
2. In the **Options** section, select **Application Options**.
The Application Options dialog box displays.
3. Select the **General** tab.
4. Increase the **Undo file size** capacity, per the manifold size in the Physical Properties section.

100 cavities or lesser – 1024 MB
 Around 200 cavities – 2048 MB
 Around 300 cavities - 3072 MB
 Above 400 cavities – 4095 MB

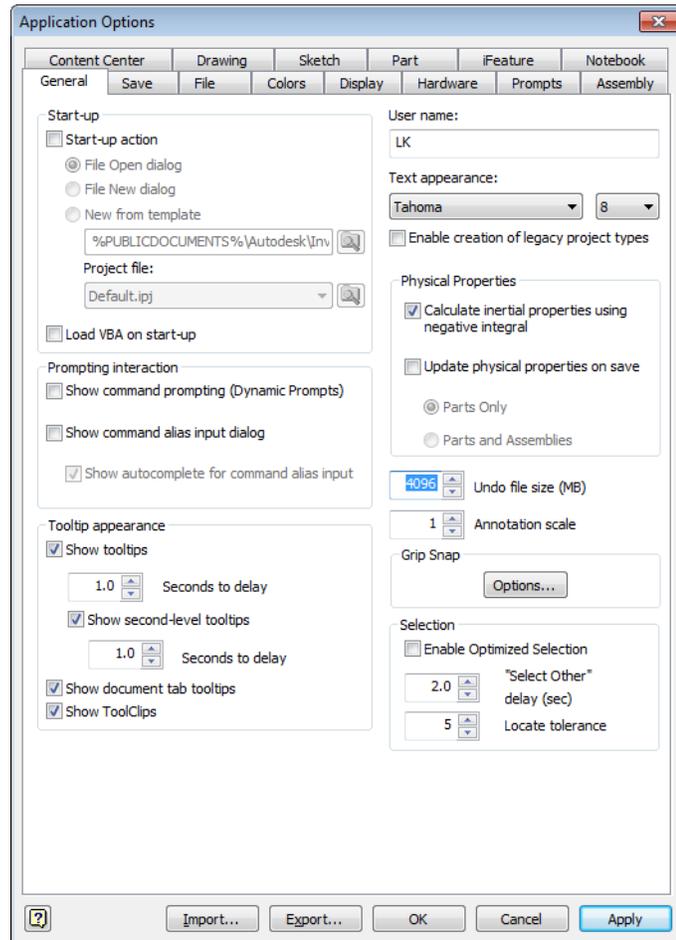
5. Click **OK**.

Note

- Recommendation for larger manifolds:
 RAM - 32 GB
 Graphics Memory – 2GB



Tools Ribbon Menu → Application Options



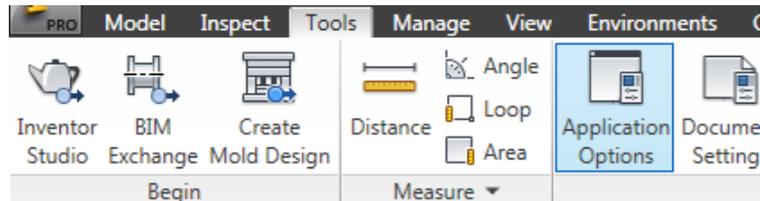
Application Options - General

1.3 Reduce Display Quality

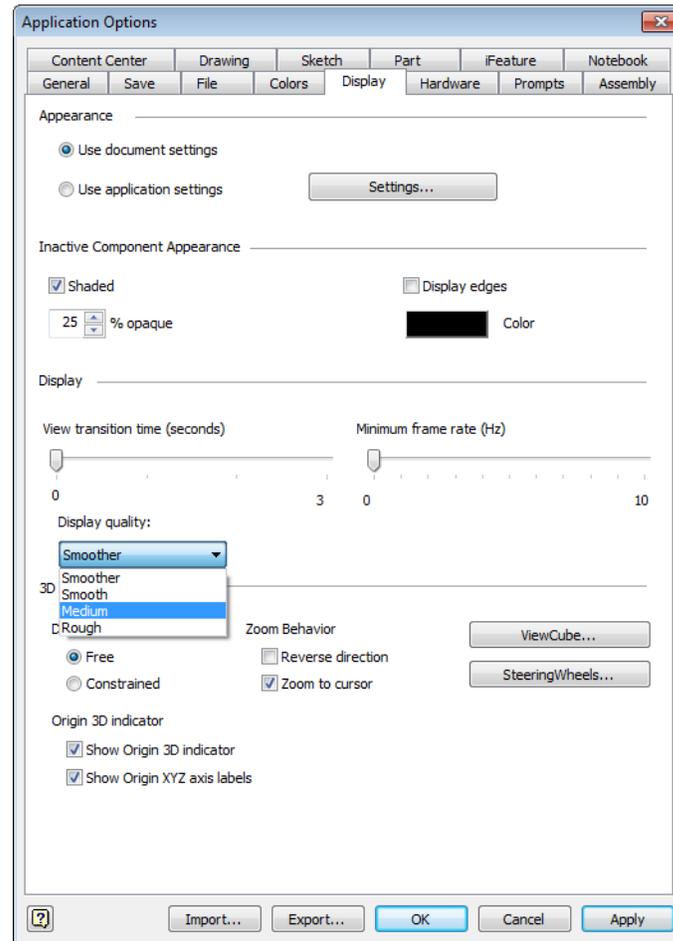
Manage the Inventor Display settings to get better performance by reducing the display quality.

This saves processing time.

1. Select the **Tools** Ribbon Menu.
2. In the **Options** section, select **Application Options**.
The Application Options dialog box displays.
3. Select the **Display** tab.
4. In the Display section, minimize the **View transition time** and the **Minimum frame rate**.
5. Reduce the **display quality**.
6. Click **OK**.



Tools Ribbon Menu → Application Options

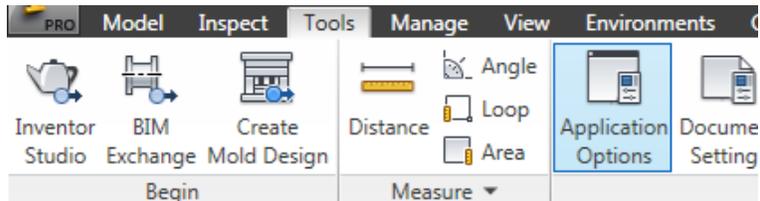


Application Options - Display

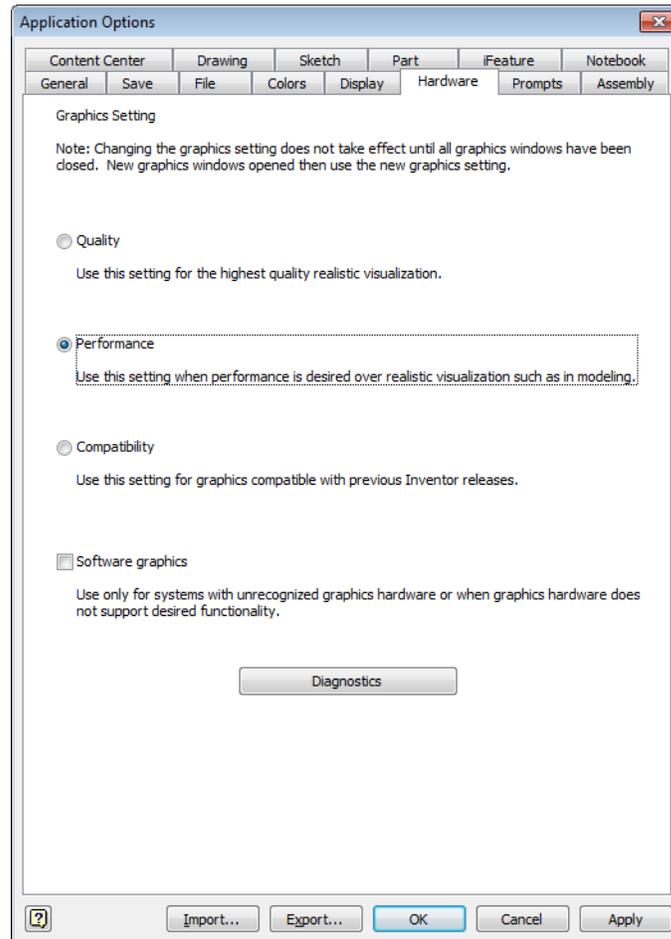
1.4 Hardware Graphics Setting

Inventor allows configuration of Graphics Setting for an optimal performance.

1. Select the **Tools** Ribbon Menu.
2. In the **Options** section, select **Application Options**.
The Application Options dialog box displays.
3. Select the **Hardware** tab.
4. Select **Performance**.
5. Click **OK**.



Tools Ribbon Menu → Application Options



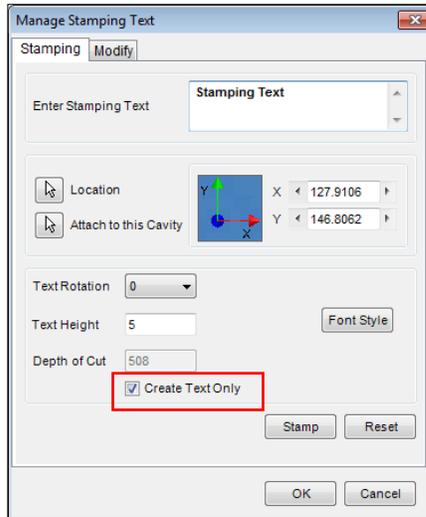
Application Options - Hardware

2. MDTools Settings

2.1 Create Text Only: Stamping Text

During the process of manifold design, use the **Create Text Only** option to create a text without engraving.

This saves processing time.

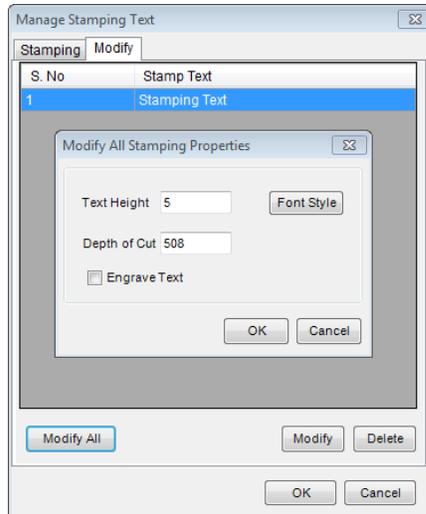


Manage Stamping Text

2. Modify All Stamping Text

Convert all the engraved text to cosmetic text by using the **Modify All Stamping Text** command.

This saves processing time.



Manage Stamping Text – Modify

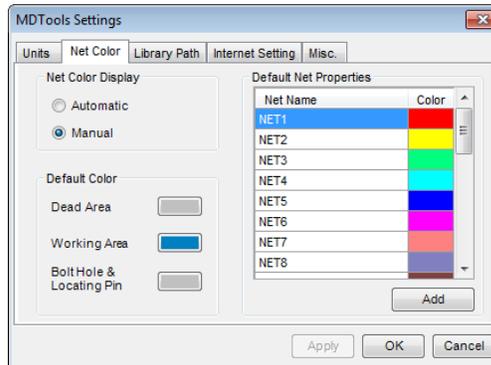
3. Set Net Color Display

By default, the Net Color display is set to *Manual*.

Ensure that it is always set to the *Manual* state.

This saves processing time.

If the Automatic mode is selected, then the Net color of all the cavities changes every time any MDTools command is used.



MDTools Settings – Net Color