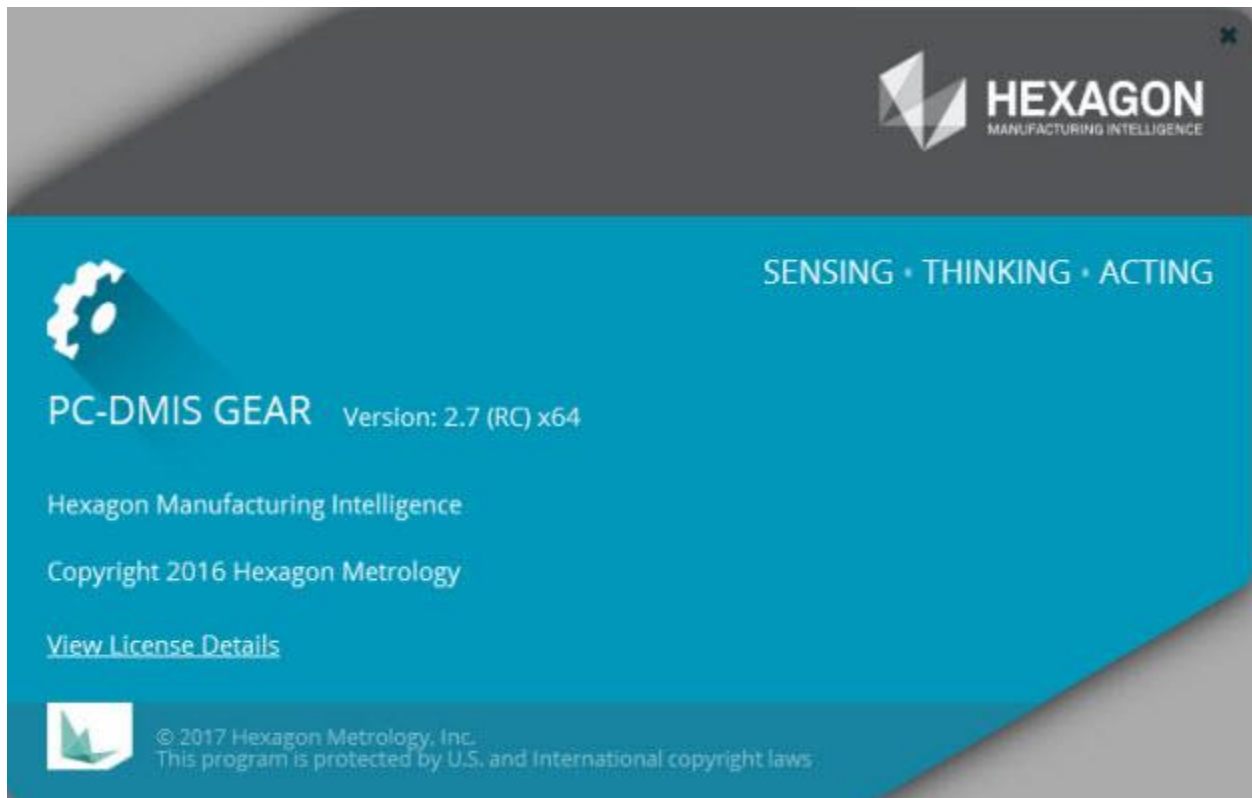




HEXAGON
MANUFACTURING INTELLIGENCE

PC-DMIS Gear 2.7

- Release Notes -



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Release Notes

PC-DMIS Gear 2.7 is a significant development release of the software.

Enhanced Cylindrical and Vision Gear Features

- **Featured Item!** PC-DMIS Gear offers the ability to measure a dimension over balls and pins for incomplete gears. See GEAR-1003.
- **Featured Item!** We added the "move around" type of move. To use this feature, select the **Move Type (Profile/Helix Only)** option in the **Measure Gear** dialog box (**Operation | Measure Gear**). Select the move path option (Move Up or Move Around) when you measure a profile/helix. See GEAR-1008.
- PC-DMIS Gear offers the option to print quality on K-Charts. See GEAR-1761.
- We added these options:
 - The **Evaluate Tolerance of Profile Error** check box to the **Define K-Chart for Profile** dialog box (**Operation | Define Gear**) - This check box is only available for Custom K-Charts when the AGMA 2000-A88 option on the **Parameters** tab is selected.
 - The **Evaluate Tolerance of Lead Error** check box to the **Define K-Chart for Helix/Lead** dialog box (**Operation | Define Gear**) - This check box is only available for Custom K-Charts when the AGMA 2000-A88 option on the **Parameters** tab is selected.

See GEAR-1742.

- We made the area where you select the probe file for execution clearer. See GEAR-1585.
- To clarify the choices for making the visibility of PC-DMIS clearer, we made the following changes to the tabs in the **PC-DMIS Gear Settings** dialog box (**Operation | Options**):
 - We removed the **Always set PC-DMIS invisible while transferring measured data from PC-DMIS to Gear** and **Always set PC-DMIS invisible while creating measurement program** check boxes from the **Gear Options** tab.
 - We added the **PC-DMIS Is Invisible while creating measurement routine** check box to the **PC-DMIS Options** tab. This option specifies whether PC-DMIS is visible while it is creating the measurement routine for PC-DMIS Gear.

See GEAR-1584.

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- We added the ability to enter angle values in degree minutes and seconds. See GEAR-1020.
- We changed the Move and Touch speeds from percent values to absolute values. This enables the PC-DMIS Gear programmer to specify the speeds, and it does not depend on the settings in PC-DMIS. See GEAR-1158.
- We discontinued support for the measurement of bevel gears starting with PC-DMIS Gear 2.7. See GEAR-1569.
- Gear considers the Addendum Modification factor to determine the profile start and end values. See GEAR-1636.
- We added the **Gear Unit** list to the **Create New File** dialog box (**File | New**). When you create a new gear file, select the units in which the software needs to work. This simplifies the screens in PC-DMIS Gear and is consistent with PC-DMIS. See GEAR-1233.
- We added the **Target edge tol** option to the **Measure Gear** dialog box (**Operation | Measure Gear**) to PC-DMIS Vision Gear. This helps to locate the edge. See GEAR-1400.
- PC-DMIS Vision Gear can measure internal gears. See GEAR-1062.

New System Updates

- **Featured Item!** We added the 64-bit version of PC-DMIS Gear; Gear now works with the 64-bit and 32-bit versions of PC-DMIS. To work with your installed version of PC-DMIS, install the appropriate matching version of PC-DMIS Gear. See GEAR-1537.
- We changed the PC-DMIS Gear paths to follow the Hexagon standard. PC-DMIS Gear now installs into the **C:\Program Files\Hexagon** folder. See GEAR-1632.

Improved Localization Features

- **Featured Item!** PC-DMIS Gear now supports the Italian language pack. To select the Italian language, select **File | Language**. See GEAR-1582.
- We improved localization by correcting the text that was truncated in dialog boxes in the German, Spanish, French, and Polish language packs. See GEAR-1642.

Information about this Release

We at Hexagon Manufacturing Intelligence are proud to bring you PC-DMIS Gear 2.7.

The testing of this version has been significant. We'd like to take a moment to discuss this process and also make you aware of the various components of testing. Testing consists of the functional test and the integration test:

- The vast majority of the test effort occurs in the functional area. This test determines that specific functions that are core to the software, regardless of what type of machine is used, work correctly.
- The integration test is a test of the interface with a particular type of machine.

In the ideal scenario, Hexagon Manufacturing Intelligence would have access to at least one of every piece of hardware running the software that is operating in the field. However, in practical terms, this is impossible. This integration test plan is then performed on as many types of machines as we have available.

Should you experience problems with your system after you install PC-DMIS Gear 2.7, it could be an integration problem. If it is a problem of this nature, it will probably be evident immediately upon first use of the possibly untested configuration. To report any integration problems, see "Contact Hexagon Manufacturing Intelligence". Should such a problem materialize on a commercial release, you will be given the highest priority to correct these problems.

For existing users of the software who currently have earlier versions of the software installed, it is advised that you install PC-DMIS Gear 2.7 into a new directory. In this way, you can be assured of continuous use of the existing version should problems arise with this newer version.

New Product Information

For a listing of the enhancements for PC-DMIS Gear 2.7, refer to "[Release Notes](#)".

Installing the Software

To install the software, follow these steps:

Step 1: Check System and Hardware Requirements

Before you attempt to install a new version, ensure that your computer system meets the system and hardware requirements discussed in "[Recommended System Requirements](#)". You must also have a USB portlock or a valid software license for the installation to work. Your IT specialist can help you with this information.

To get your computer's properties, highlight the **My Computer** icon, right-click on it, and select **Properties**.

To check the display properties for the graphics card, select **Start | Settings | Control Panel**, and then select **Display and Settings**.

Step 2: Install the Software


The following steps run you through a typical installation. Your installation screens may differ if you are running a different version of PC-DMIS Gear 2.7. In addition, your license may be configured with different options.

1. Locate the installation file on your installation media; or, if you downloaded it, open the directory containing the downloaded file. The installation file looks like this:

`Gear_Release_#.###.#_x##.exe`

The # symbols represent the specific version numbers, build numbers, and version type (x64 or x86).

2. Double-click this executable to open the installation program.
3. If a security warning appears, click **Run**.
4. From the initial license screen, read the license agreement, and select **I agree with the License terms and conditions**.

5. In the box at the bottom, you can define the installation folder. By default, the file installs to:
 - C:\Program Files\Hexagon\PC-DMIS Gear 2.7 64-bit (for 64-bit)
 - C:\Program Files (x86)\Hexagon\PC-DMIS Gear 2.7 32-bit (for 32-bit)
 To change the folder, either click on the browse button () and choose a folder, or in the box, type a new path.
6. Once you accept the license agreement and choose the installation folder, click **Next** to open the licensing screen.
7. From the licensing screen, choose your license type:
 - **LMS (Software) License** - If you have a software license (called an Entitlement ID), select this option. Complete the boxes beneath this option.
 - **HASP** - If you have a portlock (a physical USB device with the licensed options), ensure that it is connected to your computer, and then select this option.
8. Click **Install** to start the installation. A progress bar shows the overall progress.
9. When the installation finishes, a screen shows any warnings or errors. It also contains these options:
 - **Launch PC-DMIS Gear 2.7 64-bit** or **Launch PC-DMIS Gear 2.7 32-bit** - To launch the application once you click **Close**, select this check box.
 - **Show Release Notes** - To display a .pdf that shows what is new or has changed in this release once you click **Close**, select this check box.
10. Click **Close** to close the installation program.

Administrator Privileges Explained

When you select the PC-DMIS Gear option to measure a gear, PC-DMIS Gear starts PC-DMIS in order to perform the measurement. Therefore, whether you run PC-DMIS Gear as a standard user or as an administrator depends on how you are running PC-DMIS:

- If you are running PC-DMIS as an administrator, you need to run PC-DMIS Gear as an administrator.
- If you are running PC-DMIS as a standard user, you can run PC-DMIS Gear as a standard user or as an administrator.

Step 3: Launch the Software for the First Time

1. When you run PC-DMIS Gear 2.7 for the first time, choose **Start, All Programs**, and then **PC-DMIS Gear 2.7 64-bit** or **PC-DMIS Gear 2.7 32-bit**.
2. Right-click on the **Gear** icon, and then select the **Run as administrator** option.



Run as administrator option

Subsequent Startups

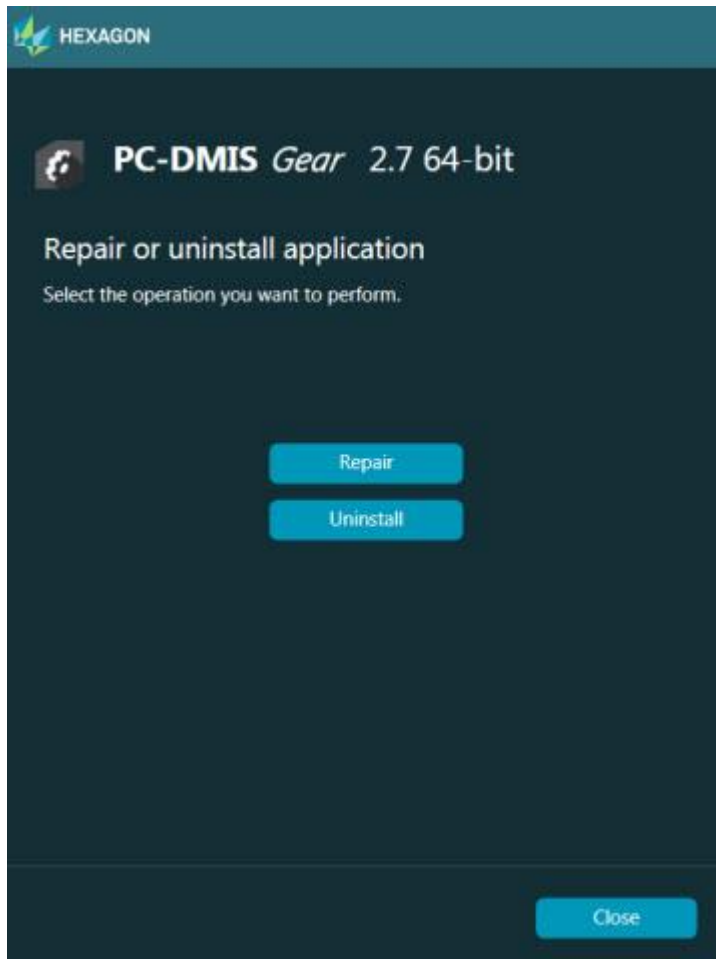
For subsequent startups, you can launch PC-DMIS Gear 2.7 normally by double-clicking the **PC-DMIS Gear** icon.

Updating the Software

To update the software, download the latest update and then double-click the Gear_Release_#.###.#_x##.exe file (where the # symbols represent the specific version numbers, build numbers, and version type) as if you were beginning the installation process.

Repairing or Removing an Installation

You can repair or remove an installation as needed once you install it. To do this, double-click the Gear_Release_#.###.#_x##.exe file as if you were beginning the installation process. The setup displays a screen with these options:



Repair or uninstall application screen

- **Repair** - This option reinstalls all of the product files as they were originally installed. This option may help resolve issues where an installation didn't properly install all of the files.
- **Uninstall** - This option removes the application from where you installed it. You can also use the Programs and Features control panel item in Control Panel to uninstall the application.

Running the Software in Another Language

The initial installation setup file for PC-DMIS Gear 2.7 contains the user-interface files for all of the supported languages. When you install PC-DMIS Gear 2.7, it installs the language files based on your operating system's language.

To run PC-DMIS Gear 2.7 in a language other than the operating system's language, select **File | Language**, and then click the desired language. PC-DMIS Gear 2.7 immediately closes and then reopens in the selected language.

Troubleshooting

For information about troubleshooting error messages and file, printing, and other issues, refer to the PC-DMIS Gear 2.7 documentation.

Contact Hexagon Manufacturing Intelligence

If you are participating in the *technical preview* of PC-DMIS Gear 2.7, please post your feedback in the appropriate technical preview forum located at www.pcdmisforum.com/forum.php. Please do not contact Hexagon Technical Support for technical previews.

If you are using the *commercially released version* of PC-DMIS Gear 2.7 and would like further information or technical support, please contact hexagonmi.com/contact-us or visit hexagonmi.com/products/software. You can also reach Hexagon Technical Support by calling (1) (800) 343-7933.

Recommended System Requirements

Operating System

PC-DMIS Gear 2.7 operates under the following: 32-bit and 64-bit Windows 10, Windows 8.1, Windows 8, Windows 7, and Windows Vista. No other operating systems are supported.

PC-DMIS

- 32-bit PC-DMIS Gear 2.7 operates with the 32-bit version of PC-DMIS
- 64-bit PC-DMIS Gear 2.7 operates with the 64-bit version of PC-DMIS

.NET Framework

Microsoft .NET Framework 4.6.1 for Windows

RAM

- 2 GB
- 4 GB of RAM or higher is recommended

CPU

- 2 GHZ XEON or Intel processor
- Pentium-IV or higher processor is suggested
- 2 GHZ or higher Duo-Core processor is recommended for improved performance

Hard Drive

- 1 GB of free hard drive space minimum for the application
- 2 GB of free hard drive space is recommended

Display

- Supports a 1280 x 1024 or higher screen resolution
- SVGA-capable monitor is recommended

Connectivity

- DVD drive
- USB port

Browser

Internet Explorer 10 or later

Anti-Virus Software

Hexagon Manufacturing Intelligence used the Sophos anti-virus tool to test PC-DMIS Gear 2.7. The user will need to confirm the performance of any other anti-virus tool.

<http://sophos.com/products/enterprise/endpoint/security-and-control/>



Depending on your specific needs, the recommended system specifications for PC-DMIS Gear 2.7 may be much higher. A more substantial computer system may be required to accommodate part programs using Automation or complex Reporting objects. Be sure to consult with your PC-DMIS Gear distributor to find out the type of computer system you will need in order to run this software at its optimum capability.



If you use 3rd-party drivers, you should contact your local Hexagon Manufacturing Intelligence representative to ensure operating system compatibility.