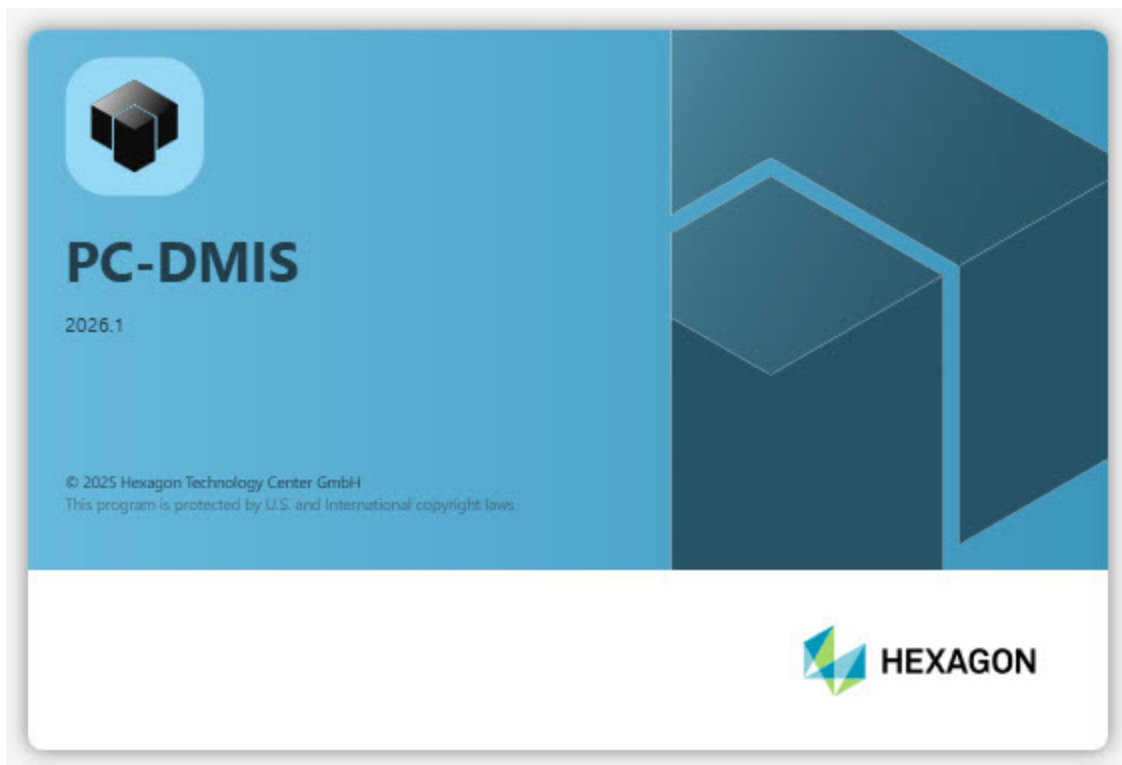


PC-DMIS 2026.1

Release Notes

Hexagon Manufacturing Intelligence

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Application Errors

You no longer get application errors:

- When you create a per-unit flatness of a feature with insufficient point density or during the ITERATEANDREPIERCECAD operation of a Geometric Tolerance command while opening a measurement routine. See PCD-278989.
- When you create, edit, or execute constructed sets that use other constructed sets as input. See PCD-286251.
- When you construct a feature from another feature previously defined as a datum. See PCD-285482.

Auto Features (Laser)

- PC-DMIS now correctly retains deviation colors when you re-edit Laser Auto or Constructed Extracted Cylinder, Cone, or Edge Point features. See PCD-285202.

Auto Features (Scanning)

- PC-DMIS now correctly executes the Adaptive Cylinder Line strategy when you select the **Pre-Probe Cylinder** check box on the **Advanced** tab. See PCD-286542.

CAD

- PC-DMIS now includes a corrected HexMI_DemoBlock_Small.qif QIF model that specifies ASME Y14.5-2009 as the PMI standard. See PCD-271541.
- PC-DMIS now correctly handles the longitudinal direction for round and rectangular slot features when you import an ASCII rule. See PCD-277714.

Constructed Features

- PC-DMIS now correctly highlights only the input features present in the original command in the Feature list area of the **Construct Feature Set** dialog box when you edit a constructed set. See PCD-282684.

GD&T Selection

- PC-DMIS no longer creates unsupported Geometric Tolerance commands when you use **GD&T Selection Mode (from CAD)** to import GD&T callouts from CAD models that contain PMI unsupported by the current measurement routine's GD&T standard. For example, when you use the ASME Y15.4 2018 standard, PC-DMIS omits unsupported Symmetry and

Concentricity Geometric Tolerance commands. Instead, it creates the associated features and adds an Operator Comment indicating that the Geometric Tolerance command was omitted. See PCD-281874.

Graphics Analysis Window

- PC-DMIS now correctly includes all required axes in automatically created DimensionInfo annotations. See PCD-285701.

Graphic Display Window

- PC-DMIS no longer displays duplicate feature labels. See PCD-286578.

I++

- PC-DMIS no longer attempts to change or set a probe with the T1A0B0 tip if the tip does not exist. See PCD-286503.

Measurement Strategy Editor

- PC-DMIS now correctly refreshes parameters when you open the **Measurement Strategy Editor** dialog box. See PCD-284544.

Protect

- PC-DMIS now correctly logs changes to a measurement routine during a two-level authentication workflow when you submit changes directly without an intermediate save. See PCD-287400.
- PC-DMIS now correctly tracks hidden or collapsed values for Auto features in PC-DMIS Protect. See PCD-283603.

Q-DAS

- You can now use Dynamic Inspection during execution. See PCD-282878.

Reporting

- You can now use the Settings Editor entry UseWaterMarkText to add watermarks to reports for certified measurement routines. Use the WaterMarkText entry to edit the watermark text. See PCD-285865.
- PC-DMIS now correctly displays the Dimension Type in Excel Form Report. See PCD-283687.

Scanning (Tactile)

- PC-DMIS now correctly splines the related W angles when you spline the scan path for 4-axis DCC scanning. See PCD-286031.

Vision

- PC-DMIS now correctly exits after you close the software when Vision logging is turned on. See PCD-286157.

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Application

- You can now open measurement routines from package ZIP files without encountering an error. See PCD-285203.

Application Errors

You no longer get application errors:

- When you edit custom reports with more than 100 pages. See PCD-276563.
- When you generate thumbnails on the PC-DMIS homepage. See PCD-284143.

Auto Features (Scanning)

- PC-DMIS now correctly applies the Avoidance Move in the tip direction for Adaptive Circle strategies when the tip vector is the same as the angle vector. See PCD-285322.

CAD

- PC-DMIS now correctly maintains child component positions when you import CATIA assemblies using DCI into inch-based measurement routines. See PCD-283992.

Calibration (Tactile)

- PC-DMIS now displays probe calibration status messages for probes in the measurement routine only after the Environment Builder window is closed when running with Maestro. See PCD-282135.

I++

- PC-DMIS now executes the corresponding LOADPROBE command before a TIP command during partial execution on a Maestro CMM when applicable. See PCD-283040.
- PC-DMIS now displays the tool name in lowercase in the **Set Active Tool** list of the **Machine Options** dialog box for Maestro/HexMF machines. See PCD-284636.

Documentation

- You can now see that when you press F1 in the Laser Scan dialog box, PC-DMIS opens the correct help topic. See PCD-281126.

GD&T Dimensions

- PC-DMIS now opens large routines containing many Geometric Tolerance Profile commands with ITERATEANDREPIERCECAD=YES much faster. See PCD-282134.
- PC-DMIS now supports different years of the ASME Y14.5 GD&T standard, including 1994, 2009, and 2018. See PCD-271933.

Pointcloud

- You can now correctly import pointclouds that contain intensity values. See PCD-278713.

Protect

- You can now certify measurement routines without Protect considering measured values during the certification process. See PCD-278763.

Q-DAS

- You can now select the **File | Partial Execution | Dynamic Inspection** menu option to use Dynamic Inspection. See PCD-282878.

Temperature Compensation

- PC-DMIS now reads only the temperature sensors currently in use on Leitz CMMs (typically X, Y, Z, and Part) instead of all sensors defined in the configuration file. See PCD-226954.

What's New

Angle Visualisation Improvements

You can now click the **Expand** button in the lower-left corner of the **Angle** dialog box to view the Angle Visualisation area. This area allows you to view, select, and refine all angles at a glance.

See "[Angle Visualisation Improvements](#)".

ASME Y14.5 1994

PC-DMIS now provides full support for ASME Y14.5-1994, enabling you to create or migrate legacy GD&T workflows.

See "[ASME Y14.5 1994](#)".

Extended Sheetmetal Features

You can now select the **Design** button in the **Extended Sheet Metal Features** dialog box to create Design Line features. This enhancement enables you to inspect geometries and surfaces on complex shapes using a dedicated tactile and optical toolset for flush, gap, and design line features.

See "[Extended Sheetmetal Features](#)".

Introducing PC-DMIS FUSION

PC-DMIS FUSION brings modern analytics and intelligent reporting to PC-DMIS through a simple, intuitive interface. It is a desktop software application designed to monitor, consume, analyze, and present real-time characteristic and reporting data.

See "[Introducing PC-DMIS FUSION](#)".

Live View Options for Inspect

You can now use the controls in the Live Image View (Live View window) to adjust lighting, focus, and smart manual navigation.

See "[Live View Options for Inspect](#)".

Overview Camera (Point and Click Navigation)

- You can now use the Settings Editor entry DisplayOverviewImage to show or hide the Overview Camera window in the **Probe Position** tab of the Probe Toolbox. The Overview Camera window helps you better align the vision probe to the feature of interest.

- PC-DMIS now automatically captures, stitches, and displays images in the Overview Camera window during a scan to create a comprehensive image of the part.
- You can use the Snapshot function to capture a .overview image file of the Overview Camera window. To do this, from the **Snapshot** dialog box, select the **Overview** option in the **Snapshot View** list.
- You can now right-click a point on the overview image in the Overview Camera window and select the **Move To Point** option to move your vision probe to that exact location.
- You can now click and drag the yellow rectangle in the Overview Camera window to a new location. When you release the mouse button, the CMM automatically moves to the selected location on the part.
- You can now save and load overview image files (.overview) associated with the currently opened measurement routine.

See "[Overview Camera \(Point and Click Navigation\)](#)".

Package PC-DMIS Measurement Routine

PC-DMIS now allows you to save the measurement routine and all of its dependent files into a single .zip file. To do this, select the **File | Package** menu option. This helps you reopen a saved measurement routine to generate a report for an already measured part, add new dimensions, or evaluate additional characteristics without the need to gather all supporting files manually.

See "[Package PC-DMIS Measurement Routine](#)".

Protect Improvements (included with Teamcenter Integration)

You can now save, open, and revise protected or certified measurement routines in Teamcenter and visualize changes between revisions in the Protect Viewer application. This ensures secure, revision-controlled inspection workflows.

See "[Protect Improvements \(included with Teamcenter Integration\)](#)".

Quick-Scan and Measurement Strategy Editor (MSE) Improvements

- You can now select **Baseline_Linear Scan** and **Baseline_Patch Scan** from the **Strategy** list in the **Measurement Strategy Editor** dialog box.
- You now have greater control over the Quick Feature widget when you create quick scans. This functionality currently supports Linear Open and Patch scans only.

- PC-DMIS now dynamically displays or hides settings in the MSE or Quick Feature Widget based on your selection. If you select a main setting, PC-DMIS displays any related sub-settings. If you de-select a main setting, any related sub-settings are hidden.
- PC-DMIS now automatically snaps to the nearest circular boundary and allows you to reselect the center, if desired, when you create quick features using Adaptive Plane Circle Scan or TTP Plane Circle strategies.
- PC-DMIS now detects the corner radius for Quick Slot, Notch, and Polygon features and positions the corresponding hits accordingly.

See "[Quick-Scan and Measurement Strategy Editor \(MSE\) Improvements](#)".

Refine Mesh Borders

You can now refine the mesh borders of previously measured or extracted 2D features (Circles, Polygons, Round Slots, or Square Slots). To do this, select one or more features or select the **Select all 2D features** check box in the **Refine Border** area of the **Mesh Command** dialog box to select all the available 2D features.

See "[Refine Mesh Borders](#)".

Smart Colour for CREO

You can now view and use smart colors from PTC Creo directly within PC-DMIS when you import Creo models.

PC-DMIS preserves the smart colors defined in creo during import, which allows you to visually differentiate feature types and geometry conditions without the need to refer to numbers or legends. This results in faster measurement routine creation and part navigation.

See "[Smart Colour for CREO](#)".

Settings Editor Access by User Role

PC-DMIS now allows role-based access to the Settings Editor. When you add a user or group to the PC-DMIS-Programmer group, they become metrology administrators, which allows standard users to access the Settings Editor.

Other Improvements

4-Axis Scanning Improvements

- PC-DMIS now provides you with advance path and angle generation.
- You can now right click a point in the **Theoretical Path** area of the **Path Definition** tab and select **Improve W Angles** to interpolate smooth, continuous rotary angles from user-defined key points.
- PC-DMIS now integrates an advanced algorithm that transmits coordinate systems and theoretical path data directly to the controller, delivering superior motion performance comparable to Quindos.

Application

- You can now use the **Sort Default**, **Sort A to Z**, and **Sort Z to A** buttons, along with the Search box in the **General** tab of the **Setup Options** dialog box to sort or search the list of options.
- PC-DMIS now includes the Uncertainty Calculator to calculate the uncertainty for every characteristic in your measurement routine. PC-DMIS uses the Virtual CMM (VCMM) library developed by PTB (Germany's National Metrology Institute). Uncertainty is determined by simulating the measurement routine multiple times using the VCMM library.

After you calculate the uncertainty, you can use the uncertainty report template, which displays the measured values along with their associated uncertainty.

Auto Features

- PC-DMIS now provides you with an improved process for creating Auto Vision features using box selection from Live View. The operation is now more than five times faster than before.

Documentation

- The PC-DMIS Laser Help for the OnError command has been updated to the current product status.
- The “Qualification Check” topic in the PC-DMIS Core documentation is now updated with an explanation of the term “Qualification Check”.

CAD

- PC-DMIS now includes Data Kit version V2025.4, enabling support for the latest features and enhancements in the NX, Creo, and CATIA CAD formats.

Fixed Tilt and Advance

- PC-DMIS now has improved tilt and advance angle calculations, enabling flexible pathline adjustments in any direction.

GD&T Selections

- You can now import a surface profile tolerance within a defined region of interest using the **GD&T Selection Mode (from CAD)** option.

Graphics and Animation

- You can now right-click a feature ID label in the Graphic Display window and select **Automatic Label Positioning | Near to Edge** to position the labels close to the nearest edge of the Graphic Display window. This distributes the labels neatly and re-routes the leader lines to prevent part overlaps.

Constructed Extractions

- You can now select the **Show/Hide measured points** button in the **Visualisation** area of the **Construct Feature** dialog box to show or hide the measured points when you create Constructed Extracted features.
- You can now use the **Analysis** area in the **Construct Feature** dialog box to determine how PC-DMIS displays each measured hit/point in the Graphic Display window when you create Constructed Extracted features.
- You can now select the **Plane Selection On/Off** button in the **Construct Cylinder** dialog box when you create Constructed Extracted Cylinder features using the Constrained Axis method.

Laser (CMM)

- You can now configure PC-DMIS to skip errors that would normally display a message and pause execution when you execute a measurement routine through Robotic Automation and the Execution Manager (Offline mode).

In most cases, the OnError command reports failed features in the OnError/Laser output file without blocking execution. However, if a Construction or Alignment command depends on a failed feature, PC-DMIS blocks the execution for safety reasons.

Skipping these messages prevents the inspection line from being blocked due to defective parts and allows them to be passed from a PC-DMIS execution perspective. You must review and handle these parts offline. You are responsible for defining how such parts are managed in the production process.

- PC-DMIS now has improved path lines and collision detection for the HP-L-10.10 sensor. The path lines now correctly reference the sensor body instead of the center of the field of view. PC-DMIS properly detects collisions and populates the list in the **Collision List** dialog box accordingly. When you select an item from the list in the **Collision List** dialog box, PC-DMIS highlights the related command in the Edit window.

Move All Command

- You can now enter any valid A or B angle value in the MOVE/ALL command. After execution, PC-DMIS activates the customized angle and displays it in the tip list. The command behaves as expected in both HEASCS and PCS coordinate systems.

Pointcloud

- You can now see **Points to keep** in the **Pointcloud Operator** and **Mesh Operator** dialog boxes to clearly indicate what the In and Out options represent.

Protect

- Protect now logs changes in a more readable, side-by-side comparison format during the Re-Certify process.

RDS 6.6 AS1 Intensity

- You can now see that the AS1 laser scanner returns intensity values when you use it through RDS version 6.6.

REVO Scan

- You can now use REVO scanning capabilities within existing PC-DMIS scan types. Supported scan types include Linear Open scan, Linear Closed scan, Perimeter scan, and Free-form scan.

REVO Sensor

- You can now perform 5-axis high-speed scanning operations with improved accuracy. This enables you to inspect complex geometries while reducing CMM movement, lowering wear, and increasing machine efficiency.
- You can now set up scan parameters faster and adjust paths using more precise path lines.
- PC-DMIS now supports importing Revo probes from UCCServer. This function allows commonly used probes to be created automatically in the Probe Utilities dialog box.
- PC-DMIS now retrieves and lists all predefined probe angles directly from the UCC Server while maintaining support for calling and using custom angles defined locally within PC-

DMIS measurement routines.

- PC-DMIS now supports enhanced Avoidance Move behavior for continuous wrist probes:
 - When you use Avoidance Move, PC-DMIS adds additional MOVE/ALL commands to the scan.
 - If you select **Before** or **Both** in the **Avoidance Move** area of the **Execution** tab, PC-DMIS inserts a MOVE/ALL command with the first scan tip angle before the scan command.
 - If you select **After** or **Both**, PC-DMIS inserts a MOVE/ALL command with the last scan tip angle after the scan command.

Specify THEOS from CAD

- You can now select the **Select CAD** check box in the **Feature theoreticals** area of the **Construct Feature** dialog box and then click the corresponding element on the CAD model to automatically fetch the THEO values from the CAD model.

Toolkit

- You can now create 2D plots for constructed scans.

Tracker Line Scan

- You can now select one or more contiguous polylines from a CAD model to define the path for a tracker line scan on ATS600 and ATS800 trackers.

Uniscan Improvements

PC-DMIS now includes several enhancements to the Uniscan workflow to improve scan quality, coverage, and usability.

PC-DMIS now supports:

- An improved prismatic strategy that generates better scans with optimized laser orientation to reduce the number of tip angles, scans, and overall scanning distance while achieving improved surface coverage. For example, when scanning aerospace ribs, only the bottom faces need to be selected instead of selecting each rib individually.
- Automatic correction of previously missing laser orientations.
- Automatic removal of small or single control-point scans to prevent unnecessary scan creation.
- An enhanced preview that displays how the scan stripes will cover the selected surfaces, instead of showing only surface slices.

- Automatic population of the **Pointcloud reference feature** list with the current COP command, when available.
- Improved face selection behavior so unselecting faces works reliably.
- Optimized stripe orientation based on the surface being scanned to improve scan efficiency and coverage.

What's Fixed

Application Errors

You no longer get application errors:

- When you close PC-DMIS on the Arm2 computer while the multiple arm functionality is still active. See PCD-275619.
- When you convert a Calypso plan and the safety plane is defined differently. See PCD-277059.
- When you convert a Calypso plan. See PCD-277340.
- When you adjust light values on the **Illumination** tab. See PCD-277373.
- When you perform collision detection with a laser probe and no tip is selected. See PCD-281647.

Auto Features (Laser)

- PC-DMIS now supports the Copy Parameters and Paste Parameters for Constrained Axis parameters that you use when you extract cylinder features from laser data using the **Ring Band** option. See PCD-274598.
- The PC-DMIS automation library now fully supports Laser High Point features. See PCD-278858.

Auto Features (Tactile)

- You can now see that when you enable Path Lines from Cursor, programming an Auto Feature from the dialog box temporarily hides the Path Lines. Once you close the Auto feature dialog box, PC-DMIS restores the Path Lines to their previous state. See PCD-105966.
- PC-DMIS now closes the Probe Toolbox when you close the **Auto Feature** dialog from Automation. See PCD-187504.

Auto Features (Vision)

- You can now see that if the CAD elements used to teach a Vision 2D Profile feature no longer exist in the current CAD file (for example, after replacing the original CAD file), PC-DMIS shows a message box during execution to inform you to reteach the Vision 2D Profile feature. See PCD-275663.

Calibration (Vision)

- PC-DMIS now provides improved positioning when you process the initial circle in 2D distortion calibration. This reduces sensitivity between the mechanical alignment of the calibration standard and the machine axis. See PCD-271726.

Calypso Converter

- You no longer get an application error when you convert a Calypso plan and the safety plane is defined differently. See PCD-277059.
- You no longer get an application error when you convert a Calypso plan. See PCD-277340.
- When you convert a Calypso plan, PC-DMIS now:
 - Correctly reads an external alignment and uses it as the base alignment. See PCD-276687.
 - Reads double values with comma as decimal separator. See PCD-276329.
 - Correctly generates a symmetry point feature. See PCD-277258.
 - Adds a workplane for 2D constructed features. See PCD-277381.

Constructed Extracted Features

- PC-DMIS now supports the Copy Parameters and Paste Parameters for ATS800 feature scan commands. See PCD-274899.

Constructed Features

- You can now see the correct actual values in the Edit window in Command mode when you select the **Specify theos** check box in the **Feature theoreticals** area of the Constructed Cone or Constructed Cylinder dialog box. See PCD-277706.

Documentation

- You can now see that the PC-DMIS documentation now states that you can no longer type in the radius value for Fly mode. See PCD-281944.

ESF (VWMP)

- You can no longer create Quick Features while the **Extended Sheet Metal Features** dialog box is open for creating or editing extended sheet metal features. See PCD-196111.
- You can no longer edit a feature's **ID** in the **Feature definition** area of the ESF dialog box, preventing serialization errors. See PCD-275565.

- PC-DMIS now retains the **Prefix** and **Postfix** values in **Naming Rules** area when you create Flush and Gap Extended Sheetmetal features using Custom naming rule. See PCD-281217.
- PC-DMIS now retains the DimInfo and Analysis settings by feature type when you create ESF Flush and Gap features (MA, MB, MC, MD, and NA). For example, if an MA feature is programmed with these options enabled, subsequent MA features retain the same settings. See PCD-281238.

I++

- You can now see that the IgnoreManualRetract setting for the I++ interfaces works correctly. See PCD-281302.

Laser (CMM)

- You no longer get feature extraction errors when you perform collision detection on correctly programmed, directly measured Laser Auto features. See PCD-278252.

Legacy Dimensions

- You no longer see a discrepancy between T and RT results for the Edge Point features. See PCD-281713.

Measurement Strategy Editor

- You can now see the selected widget parameters for the Baseline_Touch Trigger User Defined strategy in the measurement strategy widget. See PCD-278939.

Pointcloud

- PC-DMIS now displays operator names in camel case in the **Pointcloud Operator** dialog box. See PCD-273877.
- You can now create a COP from CAD using any point distance. See PCD-275724.

QIF

- PC-DMIS now correctly maps Constructed Width feature command item IDs and generates all output when you execute a measurement routine offline with a QIF Report command present. See PCD-276609.
- PC-DMIS now uses the correct scale coefficient value to properly import attached QIF files from Elysium. See PCD-277356.

Settings Editor

- PC-DMIS now includes the Material Coefficient XML file in the backup and restore of settings. See PCD-281059.
- PC-DMIS now backs up and restores all camera files that start with Camera_.ini and Camera_.cset. See PCD-277768.

Quick Features

- PC-DMIS now correctly creates a quick linear open scan after you create a scan from polyline data. See PCD-278664.
- You can no longer click the **Apply** button in the measurement strategy widget until you select the required number of hits. See PCD-280620.

Reporting

- PC-DMIS no longer sends data to Metrology Reporting when you execute a feature (Ctrl + E). See PCD-276589.

Scanning (Laser)

- You can now create and execute a Laser Patch scan with CAD data loaded (self-learned using the jog box). See PCD-277117.

Scanning (Tactile)

- PC-DMIS no longer displays a blank option when you edit a NOMS MODE command in Command mode within a basic scan in DCC mode when the Execution mode is set to Relearn. See PCD-275101.

Tracker

- You can now edit the THEO values for features within an ATS800 feature scan command in the Edit window when you are in Command mode. See PCD-275169.

Information about this Release

We at Hexagon Manufacturing Intelligence are proud to bring you PC-DMIS 2026.1. PC-DMIS brings together aspects of the software for the development of a complete manufacturing process control solution. With PC-DMIS, dimensional measurement data can flow through your organization, as it is collected from coordinate measuring machines (CMMs), portable measuring arms, and laser trackers.

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 two parts. These can be described as functional testing and integration testing.

- The vast majority of testing effort goes on in the functional area. This is the testing that determines that specific functions that are core to the software, regardless of what type of machine is used, are working correctly.
- The integration testing is essentially a testing 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 2026.1, it could possibly 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 for correcting 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 2026.1 into a new directory. This lets you continue to use your current version if you have problems with the new version.

Recommended System Requirements

Operating System

PC-DMIS 2026.1 operates under 64-bit Windows 11 and Windows 10. No other operating systems are supported.

	Important
	Starting with RDS version 6.3, the Windows 11 operating system is supported.
	Note
	For HP-L systems and systems that use RS-SQUARED sensors that run PC-DMIS in DCC mode, you need to use a 64-bit Windows 10 Pro or Windows 11 Pro Computer with at least 4 Cores.

You can find a list of supported operating systems for most versions of PC-DMIS here:

[Which versions of Windows will my PC-DMIS software run on?](#)

	Important
	When you use third-party drivers, be sure to contact your local Hexagon Manufacturing Intelligence representative to ensure operating system compatibility.
	Running PC-DMIS inside a Virtual Machine (VM) is supported only if the VM supports OpenGL 3 or higher.

Microsoft .NET Framework

Microsoft .NET Framework 4.8 for Windows. If you do not have Microsoft .NET Framework 4.8, the PC-DMIS installer will install it for you.

RAM

- 4 GB of RAM or higher

The size of the CAD data file and the tessellation multiplier value used affect the amount of memory needed. These both affect the amount of tessellated facets needed to display the model.

The smaller the tessellation multiplier value used, the more memory needed for the facets. For large CAD models, this could cause an "Out Of Memory" error. If this occurs, the current PC-DMIS session will be left in an unstable state and should be terminated.

The default tessellation multiplier value is 1.0. Setting a tessellation multiplier of 0.1 will result in a 10 to 20 percent increase in the memory required over the default value of 1.0. Decreasing the tessellation multiplier further to 0.01 will result in an additional 50 to 65 percent increase of memory required.

- 1 GB of video RAM
- 64 GB of RAM Dual-Channel @1063 MHz DDR4-2666 MHz ECC RDIMM memory (for HP-L systems and systems using RS-SQUARED sensors)

CPU

- 2 GHZ or higher quad core processor
- Intel Xeon W-2223 Processor (3.6GHz, 3.9GHz) for HP-L systems
- Intel Xeon Processor E3-1505M (3.00 GHz) for systems using RS-SQUARED sensors
- Intel Core i7 9th Generation or higher (for example, i7-9xxxHx) 6 Cores hyper-threading enabled (for HP-L systems and systems using RS-SQUARED sensors)

Graphics

Any popular graphics card that meets or exceeds the following suggested minimums:

- GPU Memory 2 GB DDR3*
- 6 GB Memory Bandwidth 29.0 GB/s (for HP-L systems)
- CUDA Cores 384
- Open GL 3.0
- NVIDIA Quadro P5000 (4 GB) (for HP-L systems and systems using RS-SQUARED sensors)
- AC or AX type Wi-Fi card for systems using RS-SQUARED sensors

* For an RS4 laser sensor or later model, you need to have a GPU with at least 4 GB DDR3.

The graphics driver must support OpenGL 3.0 or higher. A warning message appears on PC-DMIS startup if the driver does not support OpenGL 3.0 or if your graphics driver is more than three years old.

	Important
	To ensure optimal performance, update your graphics drivers to the latest version available from your hardware manufacturer. Outdated drivers can cause the application to crash.

Hard Drive

- 2 GB of free hard drive space plus allocated virtual memory of eight times the largest CAD file used
- SSD drive, HDD 10K, or two disks in RAID 0 mode (high-performance hard disk drive)
- 128 SSD, 128 SSD RAID, 1 TB HDD

Display

Screen resolution of 1920 x 1080 or higher

	Note
	If you use a high resolution monitor under low-light conditions, some PC-DMIS UI elements may be difficult to see. If so, you can try these options: • From the PC-DMIS Home screen, select the theme (Light or Dark) that provides the best UI visibility. For details on how to change the PC-DMIS theme, see "Changing the Theme" in the online Help. • Increase the ambient lighting.

Connectivity

- One Serial port
- Three Ethernet ports. This may be required for specific installations in consideration of local needs, including but not limited to CMM systems where one port is required for controller communications and another for intranet/Internet communications.

- Two USB ports
- A properly-configured LMS license or a HASP key (a physical USB portlock)
- LAN port with Intel Chipset (for example, I219) (for HP-L systems)

**Note**

A HASP key does not act as general-purpose data storage; therefore, you cannot use a HASP key to store (download) arbitrary data from a computer. Similarly, you cannot use a HASP key to put (upload) arbitrary data on a computer. Also, only Hexagon Manufacturing Intelligence applications can read or write to a HASP key; other applications do not have this capability. As a result, you cannot use a HASP key to load and unload data to and from a computer.

Firmware Distributed Controller (FDC) Connection

PC-DMIS establishes a connection with FDC through the following parameters:

- Controller address - 100.0.0.1
- PC-DMIS computer address - 100.0.0.2
- Subnet mask - 255.255.255.0
- Port - 1234

Pcdln.exe and PC-DMIS process listens on port 1294.

Some other ports used are 138 and 1900. The port 1900 was listed as a UDP port.

LMS Licensing

The License verification server and ClmAdmin utility for node locked licenses:

<https://licensing.wilcoxassoc.com/flexnet/services>

The Floating License servers with Flexnet LmAdmin64.exe uses port 27000-27009 on the server. The LocalHost server on port 8090 and older versions defaults to port 8080. You can define these ports when you install license server or through the server interface. These are only Offline licenses when you are not connected to a machine.

Hexagon Universal Updater

WebSocket URL - ws://webupdater.hexagonmi.com

Server - <http://webupdater.hexagonmi.com/v2/db.live>

Username - Null

Password - Null

Port - 80

File - updates_v4.20190702090658181.db

If you select to install Offline Help when you update the software, it opens the second remote address on port 443. This port verifies the license.

CrashSender1403.exe

This executable is of PC-DMIS Crash Report Utility tool. You can turn off this option because of Windows Event management.

C:\Program Files\Hexagon\2026.1 64-bit\Launcher\HexagonLauncher.exe

LauncherPC-DMIS.config/nocrashdump

A few Hexagon products need to establish remote connections such as Pulse, Notification Center/Message Lights and Smart Factory.

Browsers

- Microsoft Edge, Mozilla Firefox, Google Chrome

	Note We recommend that you keep your browser up to date by installing its latest version.
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Antivirus Software

Hexagon Manufacturing Intelligence used the Microsoft Defender Antivirus tool to test PC-DMIS 2026.1. You will need to confirm the performance of any other anti-virus tool.

<https://www.microsoft.com/en-us/windows/comprehensive-security>

Solutions for CMMs Using RS-232 Communications

If you are installing PC-DMIS 2026.1 on a new or existing computer, but you have an older CMM model that uses RS-232 communications, then you will need to install one of these solutions on your computer:

- An external RS-232 serial-to-USB adapter cable plus the serial-to-USB adapter cable driver
- An internal serial adapter card with serial ports

HP-L-10.10 Laser Scanner System

If you need to use the HP-L-10.10 laser scanner system, your laser scanner controller firmware version must be updated to the latest version. Please contact your local Hexagon representative to perform the firmware upgrade.

Note
 To use the HP-L-10.10 sensor, your computer must meet these specifications: • Maximum number of Operations Per Second (MOPS) - Floating Point Math must be greater than or equal to 59 • Number of physical cores (P-cores) must be greater than or equal to 8 You can find these values in your computer's processor specifications.

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 you meet the system and hardware requirements discussed in "[Recommended System Requirements](#)". You must also have a USB portlock or valid LMS license for the installation to work. Your IT specialist can help you with this information.

- To get your computer's properties, highlight the **This PC** icon, right-click on it, and select **Properties**.
- To check the display properties for the graphics card, go to **Start** and type **Control Panel**, and then select **Display and Settings**.

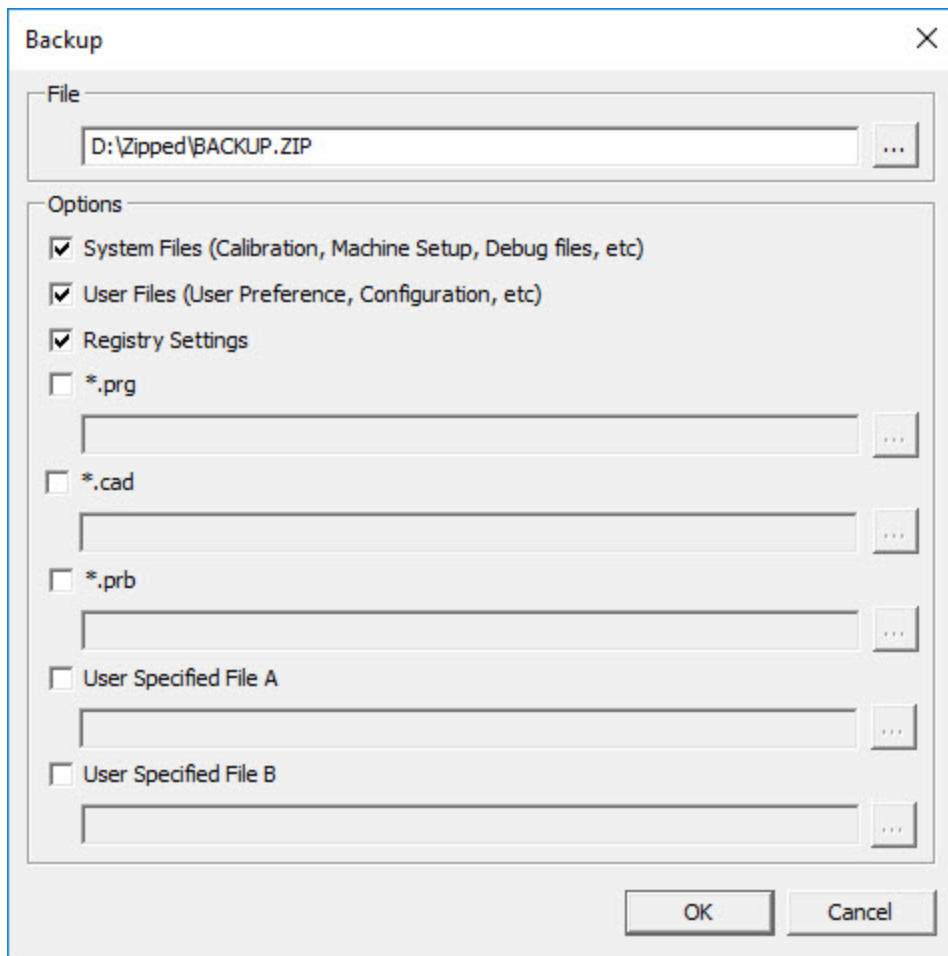
Step 2: Log on as an Administrator

To install and run your new version for the first time, you must be logged on as a user with administrator privileges.

Step 3: Back Up Existing Settings

Back up your settings from your previous version. By default, PC-DMIS 2026.1 attempts to migrate existing settings from previous installs on the same computer, even from very old versions of the software where settings were stored in the pcdlrm.ini file.

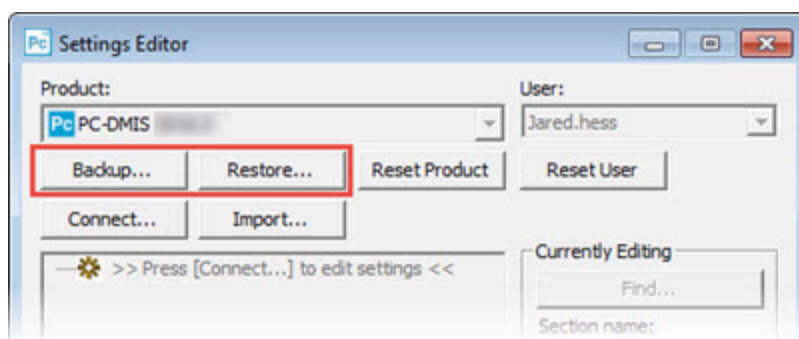
- If your current version uses the pcdlrm.ini file for its settings, back up your pcdlrm.ini file. This file is in the Windows system directory. Save a copy of the file in a safe place.
- If your current version uses the PC-DMIS Settings Editor, back up your PC-DMIS Settings Editor data. To do this, follow these steps:
 1. Start the Settings Editor.
 2. Click the **Backup** button (or **Export**) to open the **Backup** dialog box.



Backup Dialog Box

3. In the **File** box, define a safe location to save the backed-up files, and give the file a .zip extension.
4. Under the **Options** area, select the first three check boxes, and click **OK**.

If you replace your computer or transfer settings that reside on another computer, you can use the Settings Editor's **Backup** and **Restore** buttons:



Backup and Restore Buttons

For more information on the backup and restore functionality, refer to the Settings Editor documentation.

Backing Up Machine Files for an Xcel CMM or a Sharpe Controller

If you are using a Brown and Sharpe Xcel CMM or a CMM that uses a Sharpe controller, and you are going to install PC-DMIS 2026.1 on a new computer, save copies of the following CMM machine files from your previous version to a safe place:

- comp.dat

Starting with PC-DMIS 2013 MR1, the comp.dat file moved to:

C:\ProgramData\WAI\PC-DMIS*version*

- downl.oad

The files are located in the installation (root) directory for all software versions prior to 2013 MR1, regardless of the operating system.

The location of the installation (root) directory is:

C:\Program Files\WAI\PC-DMIS *version*

For versions of PC-DMIS up to and including 3.7 MR3, the location of the installation (root) directory is:

C:\PCDMISW

Backing Up Machine Files for a CMM with a DEA Controller

If you are using a DEA or other CMM with a DEA machine controller, and you are going to install PC-DMIS 2026.1 on a new computer, save copies of the following CMM machine files from your previous version to a safe place (the files vary according to the type of CMM):

- cosdat1.bin
- compens.dat

Starting with PC-DMIS 2013 MR1, the compens.dat file moved to:

C:\ProgramData\WAI\PC-DMIS*version*

- Fzyfile.txt
- Rcxfile.txt
- Rmxfile.txt
- Any file with your machine's serial number in its name

The files are located in the installation (root) directory for all software versions prior to PC-DMIS 2013 MR1, regardless of the operating system.

The location of the installation (root) directory is:

C:\Program Files\WAI\PC-DMIS *version*

For software versions up to and including 3.7 MR3, the location of the installation (root) directory is:

C:\PCDMISW

Step 4: 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 2026.1 or if you are installing a custom build with additional options. 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 that contains the downloaded file. The name of the installation file is:

Pcdmis2026.1_release_##.#.###.#_x64.exe

The # symbols represent the version and build numbers.

2. Right-click on this executable file and click **Run as administrator** 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 the **I agree with the End User License conditions** check box.
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 2026.1 64-bit

To change the folder, either click 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.
 - **LMS License Server** - If you have a license server to connect to, select this option and then type the server address.
 - **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.

For help on how to set up an LMS license, see "[LMS License Setup](#)".

8. Click **Next**.
9. You can choose to install additional software components. If you selected a custom path, the additional software still installs to your default measurement routine directory (usually C:\Program Files\Hexagon\).
 - **PDF Converter 5.0** - This third-party tool converts PC-DMIS 2026.1 reports to PDF outputs.

If you are a Portable user and you have the appropriate license, you can select a Portable interface as your default. For details, see "[Switchable Portable Interface](#)" in the PC-DMIS Portable documentation.

- **Offline English Help** - This option installs the English HTML5 Help into an installation folder that you define in step 14. When you access the Help, PC-DMIS tries to use the Internet-based Help, but if it cannot detect an Internet connection, it then attempts to access this offline fallback Help. If you mark the **Use Offline Help** option from the **Help** menu, then it also accesses this offline fallback Help even if you are connected to the Internet. This option appears if you have not installed the offline Help yet. Once you install the offline Help, and you later install an update to PC-DMIS, any updates to the Help occur automatically without presenting a prompt.

If you need a non-English offline Help, see "[Installing Non-English Offline Help Files from Language Packs](#)".

- **Install Universal Updater** - This application lets you access multiple software updates in one place (an internet connection is required). It automatically notifies you when a new update is available.
- **Select default portable interface** - From the list, select the Portable interface that you want defined when PC-DMIS starts up. You can choose from any of these supported Portable devices:

RomerRDS Arm

Romer Arm (WinRDS)

AT40x Leica Tracker

AT500 LeicaLMF Tracker

AT9x0 LeicaLMF Tracker

AT901 Leica Tracker

ATS600 Leica Tracker

TDRA6000 LeicaTPS Tracker

Aicon - Offline

MoveInspect

Faro Arm

- **Join the Hexagon Customer Experience Improvement Program** - To help improve the product and send usage data to Hexagon Manufacturing Intelligence, select this check box. To opt out of sending usage data, clear the check box. For more information about this program, visit the [Hexagon Customer Experience Improvement Program](#) website.

10. Click **Install** to start the installation. A progress bar shows the overall progress.
11. When the installation finishes, a screen shows any warnings or errors. It also contains these options:

- **Launch PC-DMIS 2026.1 64-bit** check box - To launch PC-DMIS 2026.1 now, select this check box. If this is your first time installing this version on this computer, you should do this to initialize registry entries. For more information, see "[Administrator Privileges Explained](#)".
- **Show Release Notes** check box - Select this check box to display a Readme.pdf file that shows what is new or has changed in this release once you click **Close**.

12. Click **Close** to close the installation program.

	Note If you selected the Offline English Help check box in step 10, the English help installer starts up as soon as the PC-DMIS application installation is complete.
---	---

13. In the box at the bottom, you can define the installation folder. By default, the file installs to:

C:\Program Files\Hexagon\PC-DMIS 2026.1 64-bit English Help

To change the folder, either click the browse button () and choose a folder, or in the box, type a new path.

14. Click **Install** to start the installation. A progress bar shows the overall progress.

15. When the installation finishes, a screen shows any warnings or errors. Click **Close** to close the installation program.

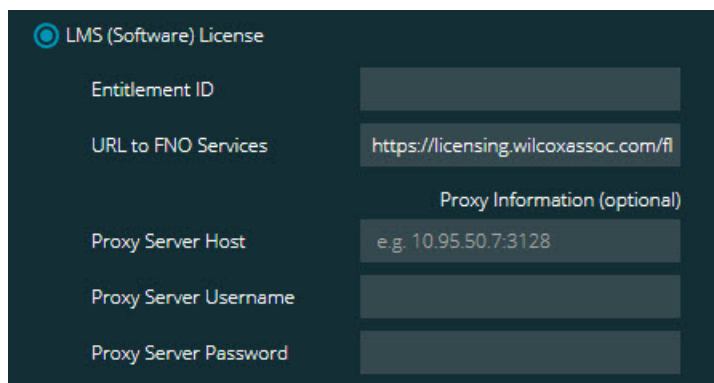
LMS License Setup

This topic provides information if you need to:

- Set up your LMS (software) license
- Connect to an LMS license server
- Update your LMS license
- Provide licensing information to the installer from the command line

LMS (Software) License

If you chose **LMS (Software) License** on the [licensing screen](#), and the installation cannot find a valid license on your system, you need to complete these options:



LMS (Software) License Option

1. Complete the options:

- **URL to FNO Services** - This points to the URL that verifies your license. Ensure that it has this URL:

<https://licensing.wilcoxassoc.com/flexnet/services>

- Proxy information - If your computer is on a network where you need a proxy server to reach the Internet, contact your IT specialist to get this information. Enter the server host, user name, and password.
2. If you do not have an Entitlement ID and you need to activate your license offline, use the CLM Admin application. From the CLM Admin application, choose **Activate new licenses**, and follow the on-screen instructions.

	Note
	For information on how to use the CLM Admin application, consult the Hexagon Client License Manager (CLM) Software documentation. You can find this in the subfolder for your language (such as the en directory for English).

3. Click **Next**. The installation software connects to the Internet and activates your license. It then installs the FLEXnet Licensing Service required to use LMS licenses.

LMS License Server



LMS License Server Option

If you use a license server, select this item, and then type your license server name in the **License Server(s)** box. The format of this line of text is *port number@server name*, where *port number* is the TCP port number for the license server, and *server name* is the name of the server.

The default TCP port number is 27000. If you don't identify a specific port, the license server uses the default. For example, these mean the same thing:

@server1

27000@server1



Important

If you use this option, place the "@" symbol in front of the server address. If the "@" symbol is left off, the installation process attempts to look locally for the license. This may result in an error.

You can also specify multiple license servers. You can separate them with semicolons. For example, suppose that you have three license servers called licenseserver1, licenseserver2, and licenseserver3, and all of them use the default TCP port. You can specify all of them in a single line of text, like this:

@licenseserver1;@licenseserver2;@licenseserver3

Updating Your LMS License

Once you finish with the license setup and install PC-DMIS 2026.1, it checks for license updates when it starts and after every eight hours of running. If a license update is available, this notification appears:

PC-DMIS

Updates are available for your PC-DMIS license. Applying them now will require PC-DMIS to restart. Would you like to apply the updates now?

To apply the update, click **Yes**. If you click **No**, PC-DMIS 2026.1 displays the message every eight hours of running or the next time it runs.

- If an option or a feature is added, you are given the choice to apply the changes. A pop-up message displays in the system tray if you apply the changes.

- If an option or feature is removed, a message that requests you to restart PC-DMIS 2026.1 appears. A pop-up message also appears in the system tray to inform you of this.
- If an option or feature is obsolete, it is automatically removed.

	Note
	After you apply an update, restart PC-DMIS to ensure that it functions properly.

Providing LMS Licensing Information to the Installer from the Command Line

You can send LMS licensing information to the installer through command line parameters. For more information, see "[Providing LMS Licensing Information to the Installer from the Command Line](#)" in Appendix A.

Administrator Privileges Explained

In PC-DMIS version 2012 and later, the settings mechanism used by PC-DMIS changed to only require administrator access the very first time it runs at the end of the installation. From that point forward, standard user access is sufficient.

The PC-DMIS installer has a flag that is built into the setup executable file (Pcdmis2026.1_release_###.###.#_x64.exe) that requires the setup process to run with administrator privileges. If the current user has lesser privileges, the setup program displays a prompt to provide a user name and password of an account with administrator privileges.

Once the installation finishes, the first time you run PC-DMIS 2026.1, you must launch it with administrator privileges. If you mark the **Launch PC-DMIS 2026.1 64-bit** check box when the installation finishes, PC-DMIS 2026.1 does this automatically, bypassing the original privilege level of the installer onto PC-DMIS.

Note, however, that if you do not mark this check box, you will need to explicitly right-click on the shortcut and select **Run as administrator** as described in [step 6](#).

Step 5: Copy Files after Installation

If these files are available, copy them from your old PC-DMIS installation directory to the directory where you installed the newer version:

- Sysparam.dat
- Downl.oad

- Fzyfile.txt
- Rcxfile.txt
- Rmxfile.txt

Starting with PC-DMIS 2010 MR2, PC-DMIS automatically copies common system files to the program data files directory when you install a newer version of PC-DMIS.

The comp.dat, compgrid.at, comp.enc, and compens.dat volcomp files used with volcomp methods 13 (ASI) and 14 (BNS) must be in the program data files directory. When you install a newer version of PC-DMIS, these files automatically copy to the program data files directory for the new version. For the default path location of this directory, see "Understanding File Locations" in the PC-DMIS Core documentation.

For additional information on volumetric compensation files and setup, see the Machine Interface Installation Manual (MIIM).

Copying Machine Files for an Xcel CMM or a Sharpe Controller

If you are using a Brown and Sharpe Xcel CMM or a CMM that uses a Sharpe controller, and you installed PC-DMIS2026.1 on a new computer, copy the backed-up CMM machine files to the following location on the new computer:

C:\Program Files\Hexagon\PC-DMIS *version*

For more information about these files, see "[Backing Up Machine Files for an Xcel CMM or a Sharpe Controller](#)".

Copying Machine Files for a DEA CMM with a DEA Controller

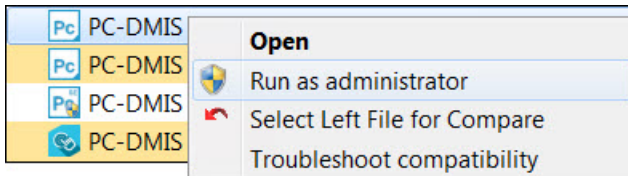
If you are using a DEA CMM with a DEA machine controller, and you installed PC-DMIS 2026.1 on a new computer, copy the backed-up CMM machine files to the following location on the new computer:

C:\Program Files\Hexagon\PC-DMIS *version*

For more information about these files, see "[Backing Up Machine Files for a DEA CMM with a DEA Controller](#)".

Step 6: Launch the Software for the First Time

1. Select **Start** and then type **PC-DMIS 2026.1 64-bit**.
2. From the list of shortcuts in the **Start** menu, right-click on either the **Online** or **Offline** icon, and then select the **Run as administrator** option (required only if the **Launch PC-DMIS** check box was not selected at the end of the installation).



Run as administrator Option

The **Run as administrator** option allows the program to write the needed machine-specific settings.

3. You can import settings from a previous version.

If your previous version used the Settings Editor, follow these steps to use your previous software settings:

- a. Close PC-DMIS 2026.1.
- b. Launch the PC-DMIS Settings Editor from the **Start** menu.
- c. Once it opens, click **Import**, and open the PCDRRegFile.dat file you backed up in the [Step 3: Back Up Existing Settings](#). PC-DMIS 2026.1 imports your settings.
- d. Close the PC-DMIS Settings Editor.

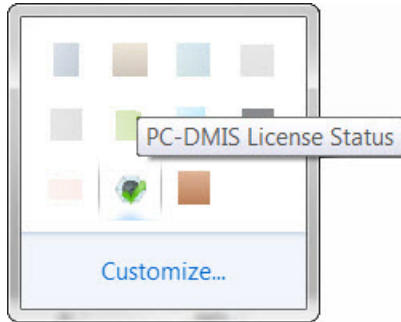
Subsequent Startups

For subsequent startups, click the usual **Offline** or **Online** shortcut to launch PC-DMIS 2026.1 normally :



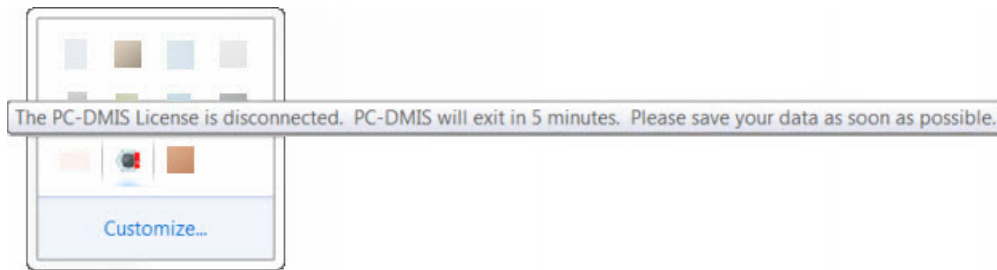
PC-DMIS 2026.1 Shortcuts

Once PC-DMIS 2026.1 runs, an icon displays in your system tray. If your portlock or LMS license is programmed correctly, the icon displays a green check mark as shown below:



Message for a valid PC-DMIS license.

If your portlock is not connected or is not programmed correctly, or if you are using an LMS license and your software has not been properly licensed, the icon appears with a red exclamation point overlay. A pop-up message says that the license is disconnected:



Message for a disconnected PC-DMIS license.

If the license is disconnected, PC-DMIS 2026.1 functions normally, but after 5 minutes, it automatically closes. Be sure to save your data immediately before this occurs.

Note About CMMs Using RS-232 Communications

By default, PC-DMIS 2026.1 communicates through the COM1 communications port. You need to change this port number to the number that Windows automatically created if a serial-to-USB adapter cable or serial adapter card was installed for communicating with an older RS-232 CMM.

To change the COM port number, follow these steps:

1. In Windows Device Manager, note the number that Windows assigned to the communications port on your computer. For help, refer to Windows Help.
2. Open PC-DMIS in Online mode, and then open or create a measurement routine.

3. Select **Edit | Preferences | Machine Interface Setup**.
4. In the **Comm port** box, enter the port number from Windows Device Manager.

Command Line Installation

You can install PC-DMIS from the command line instead of double-clicking on the PC-DMIS installation executable. In addition, you can turn various command line arguments on or off to speed up the installation process.

This topic lists the supported command line arguments.

	Note
	Command line arguments are case sensitive.

User Interface Parameters

- q, -quiet, -s, -silent** - Installs without any user interaction
- passive** - Does a progress-bar-only install

Installation Commands

- uninstall** - Removes the application from the computer
- repair** - Repairs (or installs if not installed) the application
- package, -update** - Install (default)
- layout** - Creates a local/admin image

HEIP - This parameter sets the Opt-in option for the Hexagon Customer Experience Improvement Program. This provides analytics for PC-DMIS to help us improve the application. By default, this option is on (**HEIP=1**). Set this parameter to 0 (zero) to turn this option off.

USEMSLICENSING - When this parameter is turned on (**USEMSLICENSING=1**), PC-DMIS checks for an LMS license. Set this parameter to 0 (zero) to turn this option off.

INSTALLPDFCONVERTER - When this parameter is turned on (**INSTALLPDFCONVERTER=1**), the PC-DMIS installation installs the PDF Converter. By default, this option is turned on. Set this parameter to 0 (zero) to turn this option off.

INSTALLOFFLINEHELP - When this parameter is turned on (**INSTALLOFFLINEHELP=1**), the PC-DMIS installation installs the offline English help system. By default, this option is turned on. Set this parameter to 0 (zero) to turn this option off.

Restart Handling

- norestart** - Suppresses any restarts
- promptrestart** - Prompts if a restart is required (default)

Logging

- l**, -**log** - Creates an installation log to a specific file (default TempFolder)
- logtoconsole** - Logs installation information to the console, if started from the console

Help

- ?** - Shows the **Supported command line arguments** information screen

Additional Parameters

INSTALLDIR - Specifies the installation folder for the PC-DMIS application. The default location is "C:\Program Files\Hexagon\PC-DMIS <version>", where <version> is the PC-DMIS install version.

SQLCONNECTIONSTRING - Defines the connection string if required by the application

LICENSESTRING - Defines the license string if required by the application

LMSENTITLEMENTID=<EID> - This parameter specifies the LMS Entitlement ID (EID) for your LMS license. Replace "<EID>" with your actual Entitlement ID. For example:

LMSENTITLEMENTID=99999-12345-67890-12345-67890

LMSURLTOFNOSERVICES=<FNO server address> - This parameter defines the URL address to the LMS FNO server. Replace "<FNO server address>" with the actual URL to the LMS server. For example: **LMSURLTOFNOSERVICES=S=https://licensing.wilcoxassoc.com/flexnet/services**

LMSPROXYHOST=<{\proxyhostname}> - This parameter defines the name of the proxy host server. Replace <{\ProxyHostName}> with the name of the proxy host server. For example: **LMSPROXYHOST={fnoserver}**

LMSPROXYUSERNAME=<\{proxyhostusername}> - This parameter defines the user name of the proxy server. Replace <\{proxyhostusername}> with the user name of the proxy server. For example: **LMSPROXYUSERNAME={\jrjones}**

LMSPROXYPASSWORD=<\{proxyhostpassword}> - This parameter defines the password for the proxy server. Replace <\{proxyhostpassword}> with the password for the proxy server. For example: **LMSPROXYPASSWORD={\AS4BGxpZyu}**

LMSLICENSESERVERS (@\{ipaddress}) – This parameter defines a comma-separated list of the LMS license servers.

LICENSETYPE - This parameter specifies the license type. The options are HASP, LMSEntitlement, or LMSServer. For example: **LICENSETYPE=LMSEntitlement** .

The correct usage for the additional parameters is:

PARAMETER=value

Unattended Installation Example

To perform a fully-unattended installation into a directory named **C:\PCDMISW**, use the following command line argument:

Pcdmis<installer information>.exe -q INSTALLDIR="C:\PCDMISW"

Where <installer information> is the PC-DMIS version and build numbers of the .exe file that you are installing.

Network Connections

This section describes network access details for some Hexagon products.

Firmware Distributed Controller (FDC) Connection

PC-DMIS uses these parameters to establish its connection with FDC:

- Controller address - 100.0.0.1
- PC-DMIS computer address - 100.0.0.2
- Subnet mask - 255.255.255.0
- Port - 1234

LMS Licensing

You can find the license verification server and the CImAdmin utility for node-locked licenses here:

<https://licensing.wilcoxassoc.com/flexnet/services>

The Floating License server with Flexnet LmAdmin64 uses ports 27000-27009 on the server. Imgrd and lmadmin listen on TCP port 27000 by default. Communication must be allowed from the client computer to the network license server on this port (or another port if the network license administrator has changed the default). Communication is transitioned from Imgrd / lmadmin to the vendor daemon after the initial connection is made. By default, this is done on a random TCP port. Unless your firewall has built-in support to recognize the randomly chosen port, you need to manually specify a port for the vendor daemon.

The LocalHost server on port 8090 and older versions defaults to port 8080. You can define these ports when you install license server or through the server interface. These are only Offline licenses when you are not connected to a machine.

Offline Help

If you select to install Offline Help when you update the software, it opens the second remote address on port 443. This port verifies the license.

Hexagon Universal Updater

Port - 80 and 8089 (SignalR)

CrashSender1403.exe

This executable is for the PC-DMIS Crash Report Utility tool. If you run this executable with the /nocrashdump switch, the Event Viewer screen takes over the crash report functionality.

C:\Program Files\Hexagon\PC-DMIS 2026.1 64-bit\Launcher\HexagonLauncher.exe

LauncherPC-DMIS.config /nocrashdump

Other Products

A few Hexagon products need to establish remote connections which enables them to send emails and text alerts. These products include Pulse, Notification Center/Message Lights, and SMART Factory.

Updating the Software

The Hexagon Universal Updater application automatically checks for software updates if your computer is connected to the Internet. This application is installed with PC-DMIS and Inspect. If the updater detects that an update is available, the updater uses the Windows notification area to the right of your clock on your taskbar to inform you of the update. You can then click on a notification to open the updater to download and install that update.

If the updater is running, a small icon for the updater appears in your taskbar's Notifications area (). You can click this icon to open the updater.

If the updater is not running, you can manually run the updater to check for updates. You can also use the updater to launch software or install new software applications. To run the updater, from the **Start** menu, type **Universal Updater**, and select the shortcut for the updater.

If you need additional help with the updater, you can access the help content available from within the updater itself.



Important

During the download and installation processes, your firewall must allow the <http://www.wilcoxassoc.com/WebUpdater> Internet address. In addition, you must have Administrator privileges to install the software update.

For information on the installation process, follow the installation steps described in the topics above. Once the installation process finishes, you can use the latest version.

When you update PC-DMIS from the Universal Updater, the software opens the **Associated Products** dialog box. The software displays a list of the required and recommended products.

Required

HxGN SFX | Connector - This software connects your assets to your SFX account. It also monitors your assets and sends data to your SFX account.

Recommended

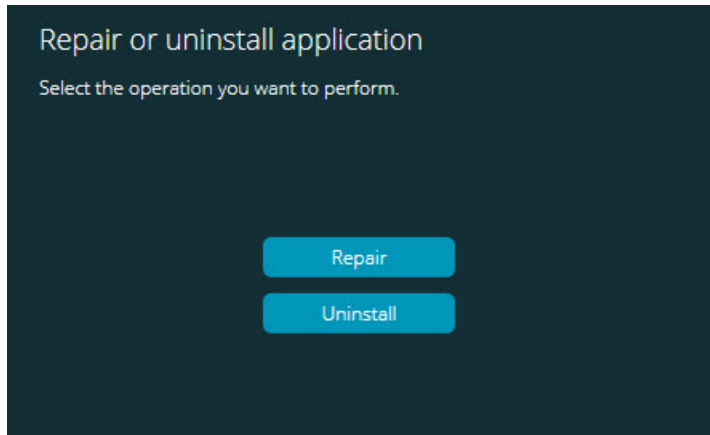
Inspect - This software provides a simplified operator interface for operators to execute measurement routines from supported products and then generate reports.

Notification Center - This software sends notifications from a client application (such as PC-DMIS) to a measurement device (such as a CMM) during certain events (such as when the machine has an error).

For information on evaluation versions and changing HASP to LMS, see "Updating the Software" in the PC-DMIS Core documentation.

Repairing or Removing an Installation

You can also repair or remove an installation once you install it. To do this, double-click the Pcd-mis2026.1_release_###.#.###.#_x64.exe file as if you were beginning the installation process. The setup displays a screen with these options:



Repair or uninstall application Dialog Box

- **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 **Apps and features** screen or 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 2026.1 contains the user-interface files for all of the supported languages. When you install PC-DMIS 2026.1, it installs the language files based on your operating system's language.

To run PC-DMIS 2026.1 in a language other than the operating system's language, select **File |Language**, and then click the desired language. PC-DMIS shows a message that says the application will be shut down and restarted. Click **Yes** to continue. PC-DMIS 2026.1 immediately closes and then reopens in the selected language.

To get the help content available in a non-English language, see "[Installing Non-English Offline Help Files from Language Packs](#)".

Installing Non-English Offline Help Files from Language Packs

This topic only applies to users who don't have Internet access.

- With Internet access, the online Help for PC-DMIS 2026.1 is already available from a public web server in all supported languages. The Help opens in your browser whenever you access it.
- Without Internet access, PC-DMIS 2026.1 uses the Help where you installed the offline Help for your version.

With the main installation file, you can install the offline Help in English. However, non-English offline Help files are not included in the main installation file. This means if you intent to use a non-English language, and you don't have Internet access, in order to see any Help content, you *must* also install a language pack for that language.

A language pack contains all of the offline Help content for that language.

To install a language pack, follow these steps:

1. Locate the desired language pack (and .exe file) on your installation media or download it from the Internet here:

<https://downloads.ms.hexagonmi.com/PC-DMIS-Versions/Release/2026.1/Release/x64/Lang>

2. Run the .exe file and follow the setup instructions. You do not need to have administrator access to do this step.

This procedure installs the Help content into the folder where you installed the offline Help for your version.

You can then switch to that language in the software and access the Help content as expected.

Starting PC-DMIS with an Online License in Offline Mode

To start PC-DMIS with an Online license in Offline mode when you are not connected to a machine:

1. From the Windows **Start** menu, locate the PC-DMIS 2026.1 Online shortcut and click on it.
2. Once PC-DMIS opens, it displays an error message that says the machine is not connected. It then shows this message and asks you if you want to switch to offline mode.

PC-DMIS MESSAGE:
Do you want to switch to offline mode?

To start PC-DMIS in Offline mode, Click **Yes**.

Troubleshooting

This topic provides information for you to troubleshoot installation, startup, and software update problems.

Startup is Slow

Problem: You use a computer with at least the recommended system requirements as detailed in the "[Recommended System Requirements](#)" topic, and it takes longer than 30 seconds to launch the software.

Description: This happens if you try to run PC-DMIS, but you didn't mark the **Launch PC-DMIS 2026.1 64-bit** check box on the installation wizard. This results in a problem loading the HASP driver. Note that this problem only occurs when you install with a HASP license type, as discussed in "[Step 4: Install the Software](#)".

Solution: Uninstall PC-DMIS and then reinstall it. To reinstall it, right-click on the installation file and choose **Run as administrator**.

Setting Up the Network to Send Crash Reports

Problem: PC-DMIS 2026.1 cannot automatically send crash reports to Hexagon Manufacturing Intelligence even when your software configuration does not use the **/nocrashdump** switch. (This switch disables crash reports in PC-DMIS 2026.1.)

Description: A firewall on your computer may be blocking the Hexagon Universal Updater application from connecting to the server. If PC-DMIS 2026.1 crashes, it uses a PHP script over HTTP to send the crash report. If this fails, it then tries to send the report to crashreport@wilcoxassoc.com. It tries using the standard SMTP email protocol. If that fails, it tries to send the email through MAPI.

Solution: The crash report system needs to be able to use port 80 to get out to the server, <http://www.wilcoxassoc.com/>.

Installing on top of an Existing Version Results in Unexpected Behavior

Problem: You installed on top of an existing version of the software, and now the software does not behave normally. Potential symptoms include:

- After you start up the software, you get a "Procedure Entry Point" error.
- When you select **Help | About**, it does not show the new build number.
- Reported bug fixes do not seem to be fixed, and PCDLRN.EXE does not have a newer date and time than the original release.

Description: Something did not install properly on top of the existing version.

Solution: Use **Apps & Features** or Control Panel to completely uninstall the existing version and then reinstall the version you're trying to install.

Running the Legacy DPUPDATE.EXE Does Not Work

Problem: The legacy DPUPDATE.EXE does not run.

Description: If you run PC-DMIS 2026.1 without administrator privileges, DPUPDATE.EXE does not work.

Solution: Run PC-DMIS 2026.1 with administrator privileges.

Contact Hexagon Manufacturing Intelligence

If you are participating in the *technical preview* of PC-DMIS 2026.1, please post your feedback in the appropriate technical preview forum located at <https://nex-us.hexagon.com/community/public/pc-dmis/>. Please do not contact Hexagon Technical Support for technical previews.

If you are using the *commercially-released version* of PC-DMIS 2026.1 and would like further information or technical support, please contact <https://hexagon.com/company/contact-us> or visit <https://hexagon.com/products/product-groups>. You can also reach Hexagon Technical Support at <https://hexagon.com/support-success/manufacturing-intelligence/metrology-support> or by calling (1) (800) 343-7933.

Appendix A

Providing LMS Licensing Information to the Installer from the Command Line

You can send LMS licensing information to the installer by using the command line:

- If the installer is running in silent mode (**-q**) or basic silent mode (**-passive**), and the correct information is provided, everything runs without user interaction. The command switch **-q** displays the progress bar and handles installer errors. The **-passive** switch hides the user interface.
- If the installer is not running in silent mode, the information provided is used to populate the LMS activation form and skip the [license screen](#).
- You can provide the **-?** to review additional command line arguments.

Descriptions of the parameters follow, along with examples.

Descriptions

USEMSLICENSING=1 - This flag is useful only if the system already has an LMS license that the user is using. It allows silent mode to work without having to prompt the user for a license choice. If the installer is not running in silent mode, it still allows the install process to skip the license type selection dialog (thus saving some time).

LMSENTITLEMENTID=entitlement id - This parameter and value are useful on a new system where no LMS license was previously installed. It indicates that you want LMS licensing and provides an Entitlement ID to try and activate. When this value is specified, there is no need to specify **USEMSLICENSING**.

LMSLICENSESERVERS="server1,server2..." - This parameter is used on systems that communicate with a license server. It also allows the license type selection dialog box to be skipped and the installation to be done silently.

LMSPROXYHOST="proxyhostaddress" - This optional parameter gives the address of a proxy host. In silent mode, it is used directly in activation. In non-silent mode, it populates the activation form with this value.

LMSPROXYUSERNAME="user name" - This parameter is another optional parameter for the proxy user name. It behaves in the same manner as **LMSPROXYHOST**.

LMSPROXYPASSWORD="unencrypted password" - This parameter is another optional parameter for the proxy password. It behaves in the same manner as **LMSPROXYHOST**.

LMSURLTOFNOSERVICES=URL to FNO server - This parameter is mostly for internal development. The default URL is to the production server. The new value can be used to override the default value and point to the development server.

Examples

On a brand-new system with a node-locked Entitlement ID, the following line installs PC-DMIS 2026.1 in silent mode:

-q LMSENTITLEMENTID=99999-88888-77777-66666-55555

On a system that already has a license, the following line installs PC-DMIS 2026.1 in silent mode:

-passive USELMSLICENSING=1

On a brand-new system using license servers, the following line installs PC-DMIS 2026.1 in silent mode:

-passive LMSLICENSESERVERS="123.12.134.42"

On a brand-new system with no license, the following line skips the license type selection dialog box and populates the activation form:

LMSENTITLEMENTID=99999-88888-77777-66666-55555 LMSPROXYHOST-T="123.123.123.123" LMSPROXYUSERNAME="bob" LMSPROXYPASSWORD="marley"

Appendix B

Required User Access Rights

File System

- C:\ProgramData\Hexagon\PC-DMIS\2026.1
- C:\Users\Public\Documents\Hexagon\PC-DMIS\2026.1
- C:\Users\UserName\AppData\Local\Hexagon\PC-DMIS\2026.1
- Any user-specified folder locations for storing measurement routines, probes, subroutines, and so on

Notes

The first time you run a new version, PC-DMIS automatically copies the settings from the most recent version of PC-DMIS that is installed. For this to work, PC-DMIS needs to run with administrator privileges the first time you run it. During the installation, if you select the **Launch PC-DMIS** check box in the setup wizard, it runs PC-DMIS as an administrator and completes this first step.

If you are using fixturing or laser sensors, the following registry keys are stored back one level:

- HKEY_LOCAL_MACHINE\SOFTWARE\Hexagon\FxtServer
- HKEY_LOCAL_MACHINE\SOFTWARE\Hexagon\PC-DMIS\NCSENSORSETTINGS

It may be easier to just apply create/read/write privileges to the HKEY_LOCAL_MACHINE\SOFTWARE\Hexagon\ key and all sub keys to cover these also.

Appendix C

First-Time Installation with Flexible Fixturing

To be compliant with the permission rules for PC-DMIS products, files associated with fixturing are now located in this folder:

C:\Program Files\Hexagon\PC-DMIS 2026.1 64-bit\Models\QuickFix

This allows access to the files without needing administrator privileges on the computer running PC-DMIS. To accomplish this, the following steps are required when you install PC-DMIS for the first time:

1. The first time you install PC-DMIS and FxtServerInterface, run the FxtServerInterface installation program for the first time with administrator privileges.
2. When you run FxtServerInterface, a message states that the system will migrate all of your data files to the "FIVEUNIQUE" Documents folder described above.
 - If you choose **Yes**, the files are moved, and the original folder is deleted.
 - If you choose **No**, the files are copied, but the original folder is kept.

Once this is done, the files are moved (or copied), and you are able to run FxtServer-Interface.exe without administrator privileges.