HCL

CAMWorks 2022

License Management Guide for Nodelocked License

(Using License File Based Method)

This document details how to activate, view and renew the CAMWorks license for a single-user (Nodelocked/ Standalone) installation using the License File based Method.

Disclaimer

Geometric Americas, Inc. (a subsidiary of HCL Technologies Ltd.) makes no warranties, either express or implied with respect to this manual. Geometric Americas, Inc. reserves the right to revise and improve products as it sees fit, and to revise the specifications and information contained herein without prior notice. Due to continuing product development, specifications and capabilities described in this manual are subject to change without notice.

Trademarks

The following and other product names and corporate references herein are registered or proprietary trademarks of their respective owners.

CAMWorks® is a registered trademark of Geometric Americas, Inc.

SOLIDWORKS® is a registered trademark of Dassault Systèmes SOLIDWORKS Corp.

FeatureManager™ is a trademark owned jointly by DS SOLIDWORKS and Bentley Systems, Inc.

All other brands and names are property of their respective owners.

Copyright © 2022 Geometric Americas, Inc. All Rights Reserved.

Geometric
An HCL Technologies Company

Product Version: CAMWorks 2022 SP2

TABLE OF CONTENTS

1. CAMWorks License Management Overview 5
Procuring the CAMWorks License 5
Information Covered in this Manual 5
CAMWorks Licensing Information 5
CAMWorks Modules 5
Licensing Methods for CAMWorks License 6
i. Online Activation 6
ii. Hardware Dongle 6
iii. License File (Using FlexLM Software Encryption) 7
User Subscription Plan 7
License Version Date 7
Renewing/Upgrading your CAMWorks Nodelocked License 8
CAMWorks License Manager (Software Program) 8
Installing the CAMWorks License Manager Program 8
Launching the CAMWorks License Manager Program with Admin Rights 8
Upgrading the CAMWorks License Manager Program 9

2. Activating a Nodelocked License Using License File 10
Steps to Activate the CAMWorks License 10
Step 1: Pre-Requisites for activating the CAMWorks License 10
Step 2: Requesting the License 10
Step 3: Activating/Updating the Nodelocked (Standalone) License 13

3. Renewing/Upgrading Your CAMWorks Nodelocked License 17
Steps to Renew/Upgrade your CAMWorks Nodelocked License 17

Appendix A: CAMWorks Licensing Information 18
Types of CAMWorks License 18
The Nodelocked (Standalone) License 18
The Floating Network Server License 18
License Duration of the CAMWorks License 18
CAMWorks License of Perpetual Nature 19
CAMWorks License of Time-bound nature 19
CAMWorks License Modes 19
Commercial Mode 19
Educational Mode 19
Instructor Mode 20
Demonstration Mode 20
CAMWorks Modules 20

Viewing the CAMWorks Modules you are licensed to run 21
Information Displayed in the Authorized Modules Tab..... 22

Appendix B: User Subscription Plan 24
Enrolling for a User Subscription Plan (USP)..... 24
Benefits of User Subscription Plan (USP)..... 24
Viewing the Expiry Date of your User Subscription Plan 24
Significance of the Expiry Date of your User Subscription Plan..... 25
Correlation Between USP Expiry Date and License Expiry Date..... 26

Appendix C: Checking the License Version Date..... 27
License Version Date of CAMWorks Version and its Significance..... 27
Viewing the License Version Date associated with a CAMWorks Version..... 27

Troubleshooting A: License Activation..... 29
Valid License is not detected when CAMWorks is launched 29
CAMWorks License does not support the CAMWorks Version 31

Troubleshooting B: Licensing Issues for Nodelocked Licensing..... 32
1. CAMWorks License Manager is not installed/ has been Uninstalled 32
2. The location identifying the Lic ense File is not Correct..... 32
4. The CAMWorks License Manager Program has been uninstalled..... 32
5. Hardware Dongle used for Licensing instead of Nodelocked (Standalone) ... 32
6. CAMWorks launches without any Errors but Functions are Disabled 33

1. CAMWORKS LICENSE MANAGEMENT OVERVIEW

Procuring the CAMWorks License

Geometric Americas, Inc. sells products and modules under the CAMWorks suite either directly or through a worldwide network of ***Value-Added Resellers (VARs)***. Users may choose between single user licenses (also alternatively referred to as *Standalone* or *Nodelocked* licenses in our documentation) or multi-user licenses (henceforth referred to as *Floating Network Server* licenses in this text).

Information Covered in this Manual

After downloading and installing the *CAMWorks* application, the next step is to activate your license.

This document provides information on activating a *CAMWorks* Nodelocked (single-user /Standalone) license using the **License File Based Method**.

For information on activating and managing a Floating Network license using the License File based method, refer the document titled:
Floating_Network_License_Management_Using_License_File.pdf.

CAMWorks Licensing Information

Before you activate your license, you must possess a basic understanding of the licensing related information such as the license type, license duration, license mode, etc. For details, we recommend that you refer to **Appendix A: CAMWorks Licensing Information** of this document.

CAMWorks Modules

The *CAMWorks* application is modular in nature i.e., depending on varied CNC machining requirements, it has separate modules for *2½ Axis Milling, 3 Axis Milling, Rotary Milling, 3 Axis with Undercut, Turning, Mill Assembly Machining, Machine Simulation,* etc.

When you purchase the *CAMWorks* application, you will be advised on the combination of *CAMWorks* modules best suited to fulfil your machining requirements. The *CAMWorks* license you receive and activate will be configured to run only the specific modules that you have purchased. When you run the *CAMWorks* application, only the user interfaces associated with the specific modules you purchased will be activated. For details on how to view the *CAMWorks* modules you are licensed to run, we recommend you read the topic Viewing the CAMWorks Modules you are licensed to run in **Appendix A: CAMWorks Licensing Information** of this document.

Licensing Methods for CAMWorks License

The CAMWorks license can be activated using one of the following three methods:

i. Online Activation

The *Online License Activation* method (introduced from ***CAMWorks 2022 SP0*** version onwards) employs *Activation IDs* that function as software keys for activating the *CAMWorks* application and its various licensed modules and products. Depending on the number of products ordered, one or more Activation IDs will be emailed to end users upon processing of a CAMWorks related Purchase Order.

Once received via email, these Activation ID(s) must be input by the user in the relevant user interface of the *CAMWorks License Manager program* for license activation purposes and then validated online for successful license activation.

- For details on how to activate and manage *CAMWorks* licensing for a Nodelocked installation using the ***Online Activation Method***, refer the following document that is present in the same folder as this document: ***Nodelock_Online_License_Management_Guide.pdf***.
- For details on how to activate and manage *CAMWorks* licensing for a Floating Network installation using the ***Online Activation Method***, refer the following document that is present in the same folder as this document: ***Floating_Network_Online_License_Management_Guide.pdf***.

ii. Hardware Dongle

The licensing method employs a Hardware Dongle device for *CAMWorks* licensing. Upon processing of your CAMWorks related Purchase Order, a license file (with **.COD* file extension) will be emailed to you. The license file you receive is programmed to run the CAMWorks modules that you have purchased. This license file must then be activated and placed within the Hardware dongle device using the *CAMWorks License Manager program*. When the Hardware dongle is plugged into the USB port of a Windows system on which the *CAMWorks* application and associated programs are installed, it authorizes the use of those applications on that system. This licensing method can be used only for Nodelocked (single user) licensing.

For details on how to use this licensing method, refer the following document that is present in the same folder as this document: ***License_Activation_Using_Hardware_Dongle.pdf*.**

iii. License File (Using FlexLM Software Encryption)

The License File based method uses ***FlexLM Software Encryption***. This is a built-In software encryption technology for generating licenses and can be used for both Nodelocked (Standalone) and Floating Network licenses.

Upon processing of your CAMWorks related Purchase Order, a license file (with ****.lic*** file extension) will be emailed to you. This license file you receive is programmed to run the CAMWorks modules that you have purchased. The following information is embedded in the CAMWorks license file:

- CAMWorks Serial Number
- Expiry Date of your license (i.e., the duration of the license)
- License Type (Standalone or Floating)
- CAMWorks modules and products the user is licensed to run
- Expiry date of your User Subscription Plan

Once received via email, the license file must be activated of the *CAMWorks License Manager program*.

- How to activate and manage *CAMWorks* licensing for a Nodelocked installation using this license file based method is explained in this document.
- For details on how to activate and manage *CAMWorks* licensing for a Floating Network installation using the ***License File Based Method***, refer the following document that is present in the same folder as this document: ***Floating_Network_License_Management_Using_License_File.pdf***.

User Subscription Plan

When you purchase a CAMWorks license, you will also be enrolled for a CAMWorks ***User Subscription Plan (USP)*** of a specific duration after paying the applicable fee. Your will be briefed about USP when you purchase the desired products/modules from the CAMWorks suite of applications.

Being enrolled in the *CAMWorks User Subscription Plan* makes you eligible to receive CAMWorks Technical support and training. It also allows you to keep your CAMWorks applications up to date with new features and performance enhancements in *CAMWorks* released in the form of *CAMWorks* Releases and Service Packs.

If your USP expires while your CAMWorks license is still active, it may impact your eligibility to install the latest CAMWorks Service Packs. For details, please refer, **Appendix B: User Subscription Plan**.

License Version Date

Geometric Americas, Inc. periodically releases new *CAMWorks* versions in the form of Service Packs. Every *CAMWorks* version released has a *License Version Date*

associated with it. This *License Version Date* indicates whether you are eligible to use the newly released *CAMWorks* version or not.

For details on how to check the License Version Date of the CAMWorks version that you intend to install and you whether you are eligible to run it, refer **Appendix C: Checking the License Version Date**.

Renewing/Upgrading your CAMWorks Nodelocked License

Your current license will need to be renewed/upgraded in the following scenarios:

- When you want to replace your current license with an upgraded license (that confers permission for additional number of products and/or modules)
- When you want to reactivate your existing license after it license duration expires
- When you want to renew your User Subscription Plan (USP) after it expires

For details on how to reactivate your Nodelocked license using the *Automatic* method, refer the topic: Steps to Renew/Upgrade your CAMWorks Nodelocked License in **Chapter 3** of this document.

CAMWorks License Manager (Software Program)

The *CAMWorks License Manager* program is used to activate the license as well as to manage its the licensing mechanism.

Installing the CAMWorks License Manager Program

The *CAMWorks License Manager program* is automatically installed/upgraded along with the *CAMWorks* application when you run the *CAMWorks* Installer.

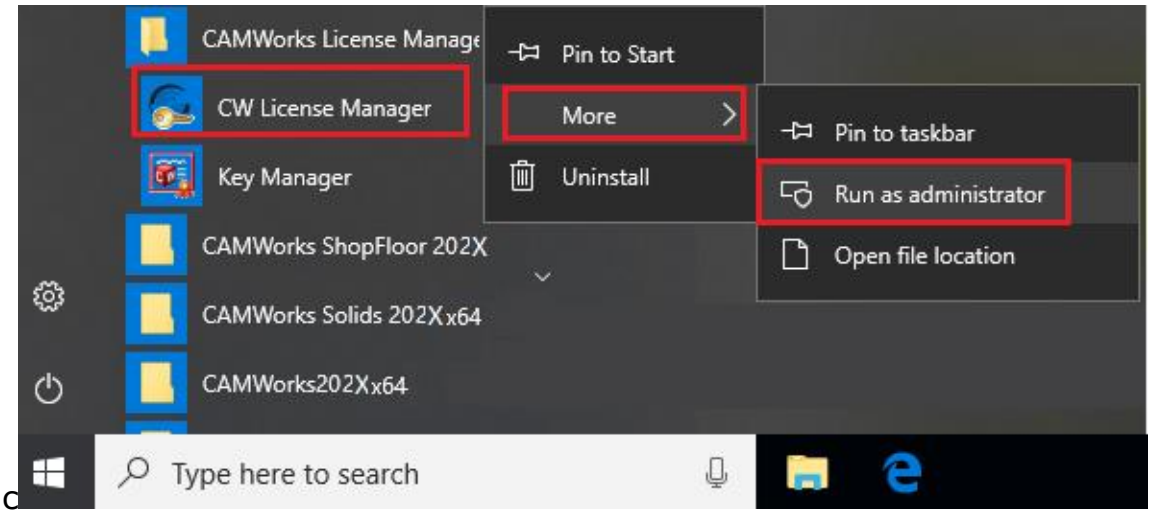
Launching the CAMWorks License Manager Program with Admin Rights

You need to launch the *CAMWorks License Manager program* with administrator privileges in order to activate, change and apply the license configuration settings within it. Without administrator-level rights, any changes done to the license configuration settings will be applicable only to the current user.

Launching CAMWorks License Manager on Windows 10 Systems with Admin Rights

1. Click on the *Windows 10* ***Start*** menu and select ***CAMWorks License Manager***.
2. The ***CW License Manager*** item will be displayed under it. Right-click on ***CW License Manager*** and select ***More>>Run as administrator*** from the cascading context menu.

   The *CAMWorks License Manager* dialog box will be displayed with full Admin rights.



Launching CAMWorks License Manager Program with Admin Level Rights

Launching CAMWorks License Manager from within SOLIDWORKS Application

The *CAMWorks License Manager program* can be launched from the *SOLIDWORKS* or *CAMWorks Solids* environment if the *CAMWorks* application is loaded as an *Add-in*. To launch the *CAMWorks License Manager program*, click on the ***Help*** menu and select ***CAMWorks 2022>>License Manager***.

The *CAMWorks License Manager* dialog box will be displayed with full Admin rights.

Upgrading the CAMWorks License Manager Program

The *CAMWorks* application is regularly updated with enhancements and bug-fixes. Similarly, the *CAMWorks License Manager program* too contains periodic updates with respect to the License Management Mechanism. Such updates are made available to users in the form of *Service Pack* releases.

To ensure that you receive critical enhancements pertaining to license management, ensure that your installation of the *CAMWorks License Manager program* too is updated whenever you upgrade your *CAMWorks* installation .

Whenever your existing *CAMWorks License Manager* installation is upgraded, the current license settings will always be retained. No manual intervention for reassigning the settings is required. This ensures a smooth transition to the upgraded version.

2. ACTIVATING A NODELOCKED LICENSE USING LICENSE FILE

To use the CAMWorks application, you need to activate the CAMWorks license. Your CAMWorks license defines the modules and versions that you are authorized to run.

Given in this chapter are the steps to activate a Standalone (Nodelocked) license using License File Based licensing method.

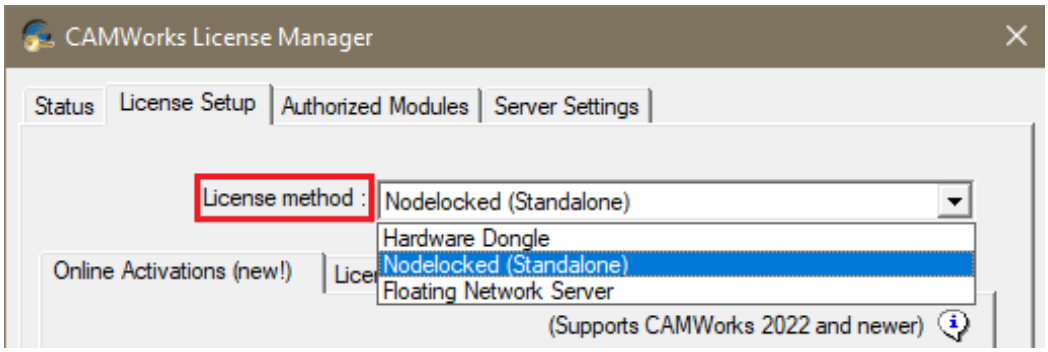
Steps to Activate the CAMWorks License

Step 1: Pre-Requisites for activating the CAMWorks License

- **CAMWorks License Manager:** The CAMWorks License Manager tool must be installed on the machine on which you intend to run CAMWorks.
- **Administrator Privileges:** You must be logged in as Administrator with full privileges to set up or make changes in the *CAMWorks License Manager*.

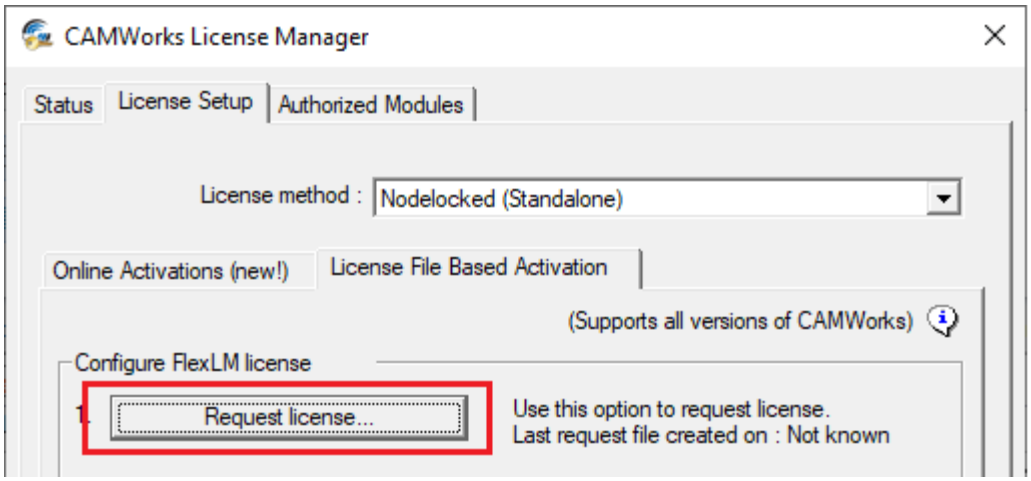
Step 2: Requesting the License

1. Launch the ***CAMWorks License Manager program*** with Admin-level rights.
2. The *CAMWorks License Manager* dialog box will be displayed. Click on the ***License Setup*** tab.
3. The UI parameters displayed within the *License Setup* tab depend on the option selected in the *License method* dropdown list. For the *License method*, make sure the ***Nodelocked (Standalone)*** option is selected.



Select 'Nodelocked (Standalone)' as the License method

4. Click on the *License File Based Activation* page under *License Setup tab*.
5. Click on the ***Request License...*** button.



Click on the 'Request License…' button

6. The ***License Request: Nodelock*** form will be displayed. Complete the form by filling in the necessary details.

   When filling the form, note the following:

   i. **Compulsory Fields:** Asterisks (*) indicate required fields. You will not be able to generate a License Request file unless all fields marked with an asterisk (*) are filled in.

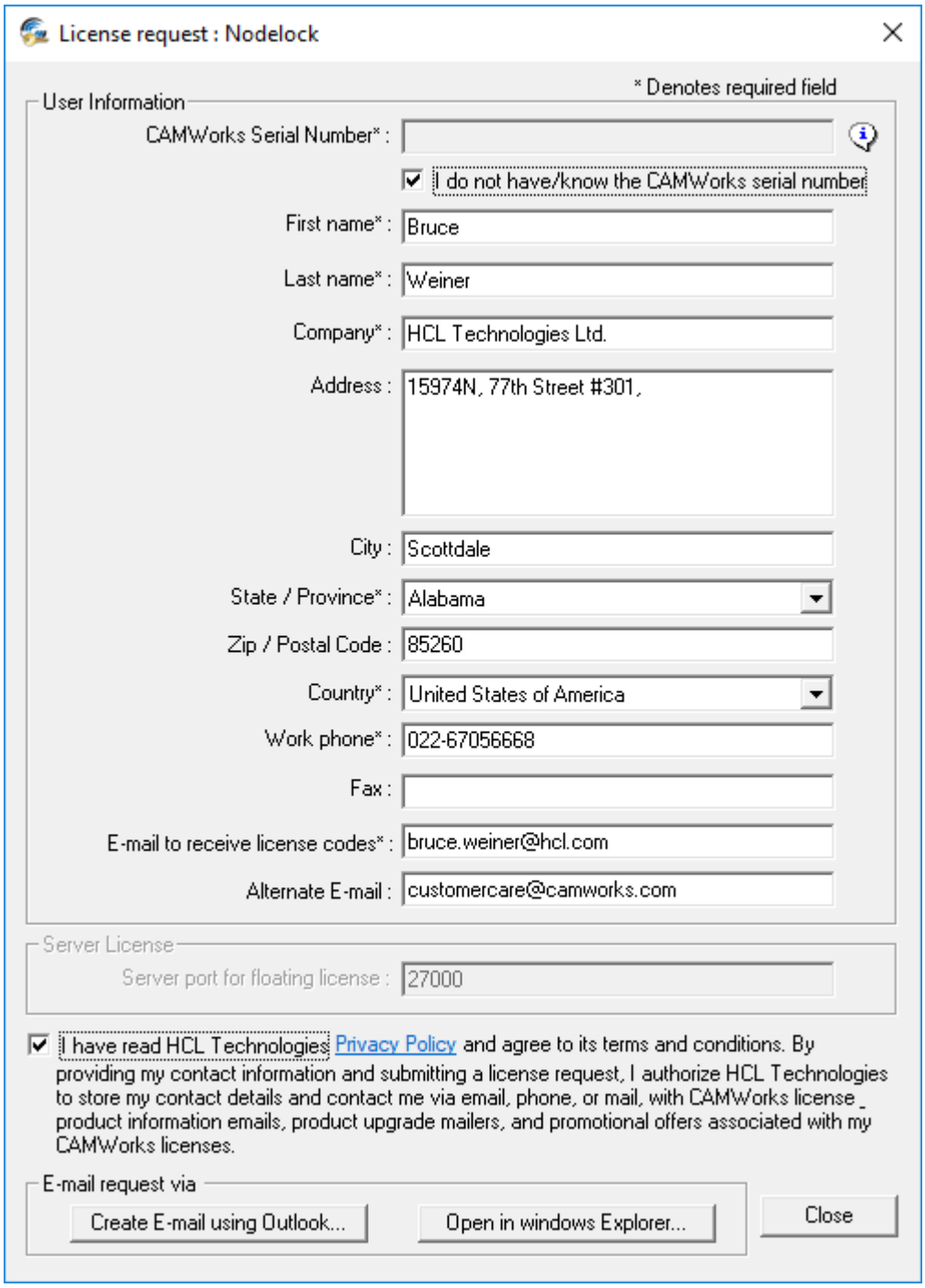
   ii. **CAMWorks Serial Number:**

      a. If you are a first-time user, there will be no CAMWorks serial number associated with your CAMWorks license as no license file has yet been given to you. In such a case, place a check in the checkbox labelled ***I do not have/know the CAMWorks serial number*** at the top of the form.

      b. If you are submitting a license request in order to renew/enhance an existing license, then the serial number associated with your current CAMWorks license will be auto retrieved and populated in the ***CAMWorks Serial Number*** field of the form. In case this field is not auto populated, click on the *Status* tab of the *CAMWorks License Manager* to view your *CAMWorks Serial number* and input this serial number in the *CAMWorks Serial Number* field. If no CAMWorks serial number is displayed in the *Status* tab, then place a check in the checkbox labelled ***I do not have/know the CAMWorks serial number*** below the *CAMWorks Serial Number* field.

      When you receive the license file, the serial number associated with your CAMWorks license will be embedded in the encrypted license file.

   iii. **HCL Technologies Privacy Policy:** Place a check in the checkbox at the bottom of the field after reading HCL Technologies' Privacy Policy (link to the policy is provided within the form). You cannot submit the license request without checking this checkbox.



Complete the 'Request License' form and email it to register@camworks.com

7. **Emailing the license request:**
   - If you use the *Microsoft Outlook* application for emails, you can click the ***Create E-mail using Outlook…*** button to submit the license request form. Clicking on this button generates a license request file (****.cwreq***) and adds

it as an attachment to a new Outlook email item. Email this item to the address (register@camworks.com) auto populated in the *To* field.

- If you use a different email software application, click the ***Open in Windows Explorer…*** button within the form. A message box will display the folder location where the generated license request file has been saved. You can either click the ***OK*** button within this message box to close the message or click the ***Open File Location*** button to close the message box and open the folder location where license request file has been saved. You need to email in this file as an attachment to register@camworks.com.

8. Click the ***Close*** button to exit the request form. You can also close the *CAMWorks License Manager* dialog box. You will receive the license file within one U.S. business day after emailing the ***License Request file***.

   Once you receive the FlexLM based license file from *Geometric Americas, Inc.*, use the *Configure FlexLM License* group box in the *License Setup* tab to activate this received license file. How to do it is explained in the next step.

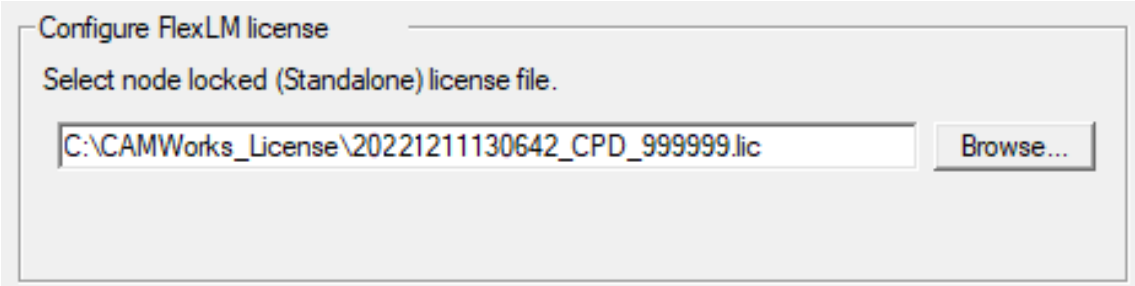
Step 3: Activating/Updating the Nodelocked (Standalone) License

1. Once you receive the license file from *HCL Technologies Ltd.*, copy the file to a secure folder on the computer. The License file must be located on the same computer as the CAMWorks application.

   We recommend that you copy the received license file in the same folder (*C:\CWLicenseManager*) as the *CAMWorks License Manager program* in order to avoid potential confusion.

2. Launch the *CAMWorks License Manager* with Admin-level rights once again.
3. The *CAMWorks License Manager* dialog box will be displayed. Click on the ***License Setup*** tab.
4. Ensure that the following settings, as assigned in Step 2, are retained:
   - The *Nodelocked (Standalone)e* option is selected in the *License Method* dropdown list.
5. Click on the *License File Based Activation* page under the tab. In the *Configure FlexLM license* group box, click on the ***Browse*** button adjacent to the ***Select node locked (Standalone) license file*** field.
6. The *Windows File Explorer* dialog box will be displayed. Use this dialog box to navigate to the folder where the license file is saved. Select the license file and click on the ***Open*** button.

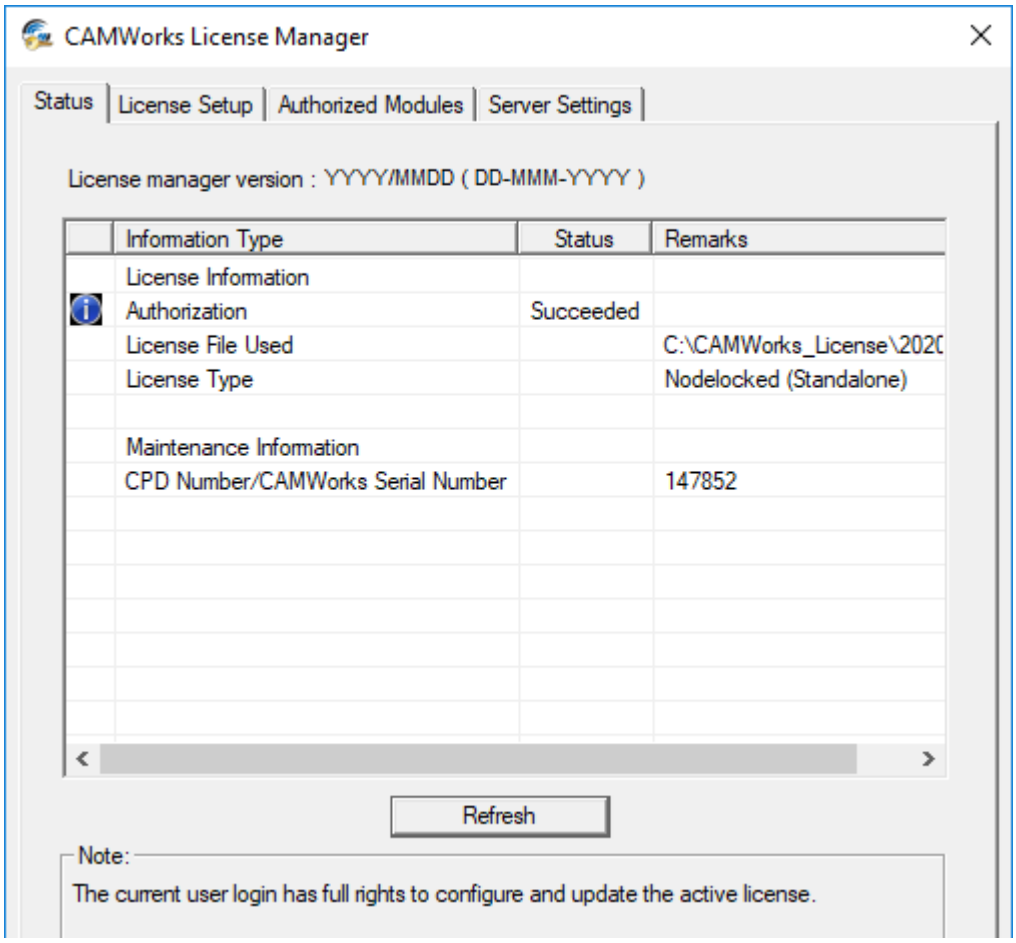
7. The *Windows File Explorer* dialog box will close, and the user interface will revert to the *License Setup* tab. Observe that the file path to the selected license file is now displayed in the ***Select node locked (Standalone) license file*** field.



File path to License File displayed in the 'Select node locked (Standalone) License File' Field

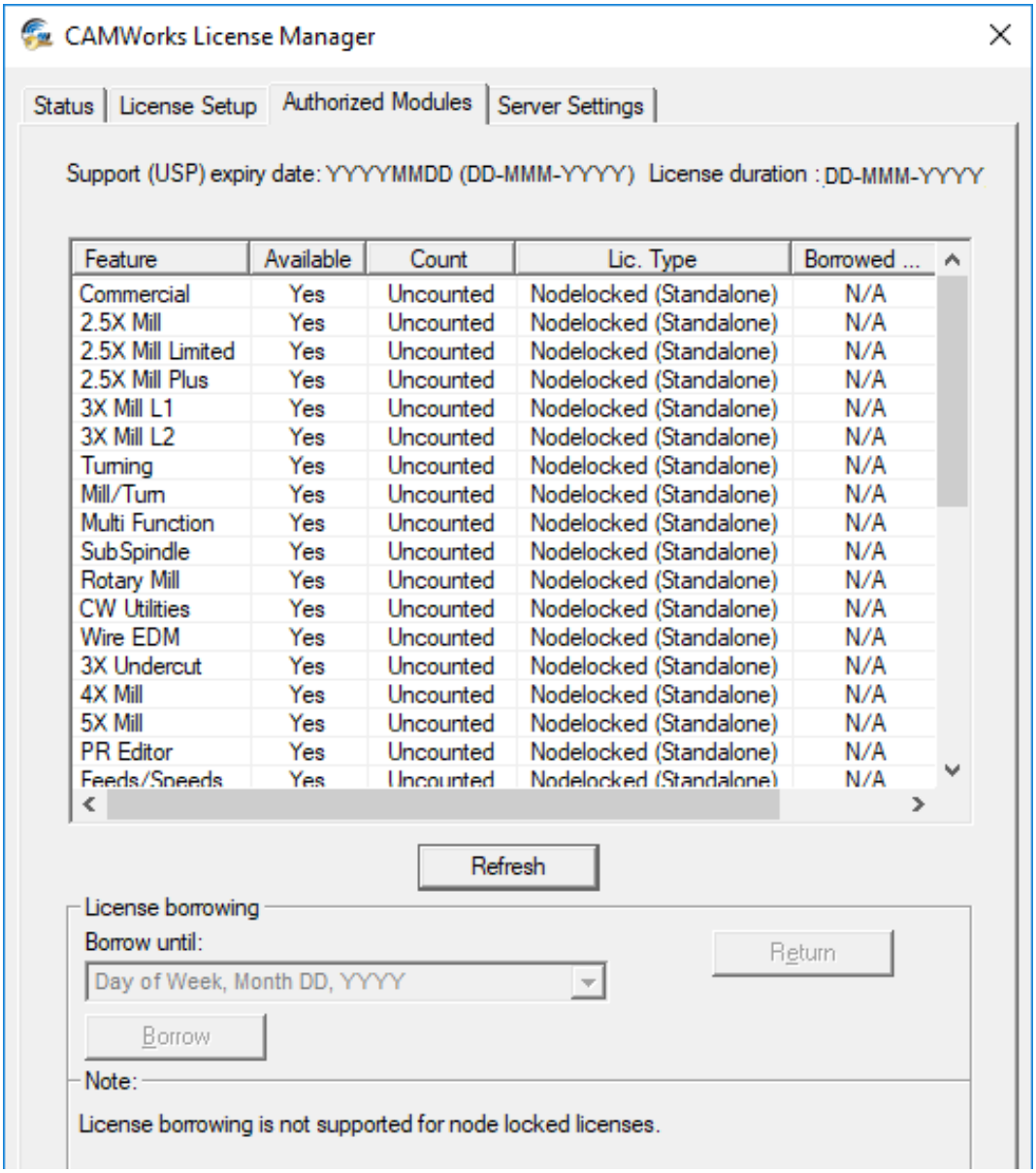
8. Click on the ***Apply*** button at the bottom of the *CAMWorks License Manager* dialog box.
   - If the license file is invalid, a message box indicating that the selected file is invalid will be displayed.
   - If the license file is valid, no message will be displayed.
9. Click on the ***Status*** tab to verify whether the *Node locked (Standalone)* license has been successfully activated. If successfully activated, then the *Information Type* parameters in the ***Status*** tab will be assigned the following values:

Information Type	**Value assigned**	**What the Assigned Value Means**
Authorization	Succeeded	Indicates that the license activation has been successful
License File Used	License File path	Indicates the file path to the active license file
License Type	Node locked (Standalone)	Indicates that the license is configured to run on a specific single machine
CPD Number/ CAMWorks Serial Number	Unique CPD/ CAMWorks Serial number	This is a unique number associated with your CAMWorks license.



Status tab of CAMWorks License Manager

10. Click on the ***Authorized Modules*** tab. As the license is now activated, this tab will list all the CAMWorks modules that you are licensed to run in the ***Feature*** column.
    - The ***Support (USP) Expiry Date*** of your license will be displayed in the top left corner of the tab. This date indicates the expiry date of your User Subscription Plan (USP).
    - The ***License Duration*** parameter at the top right corner of this tab will indicate whether you license is perpetual or temporary in nature.
      - If the *License Duration* displays ***Permanent***, then it indicates that your CAMWorks license is perpetual in nature.
      - If the *License Duration* displays a date, then it indicates that your CAMWorks License is time-bound in nature with the date displayed being the date of expiry of your CAMWorks license.



Authorized Modules Tab of CAMWorks License Manager after Node locked License is Activated

11. Your CAMWorks Nodelocked (Standalone) license is now activated. Click the ***Close*** button to exit the *CAMWorks License Manager program*.

    You can now commence using the CAMWorks application.

If you face any issues with Node-locked (Standalone) licensing, then for troubleshooting, refer Troubleshooting A: License Activation and Troubleshooting B: Licensing Issues for Nodelocked Licensing of this document.

3. RENEWING/UPGRADING YOUR CAMWORKS NODELOCKED LICENSE

Your current license will need to be renewed/upgraded in the following scenarios:

- When you want to replace your current license with an upgraded license (that confers permission for additional number of products and/or modules)
- When you want to reactivate your existing license after it license duration expires
- When you want to renew your User Subscription Plan (USP) after it expires

Steps to Renew/Upgrade your CAMWorks Nodelocked License

The steps to be followed for renewing/upgrading your Nodelocked license are the same as those for activating the Nodelocked license. Refer: ***Chapter 2: Activating a Node locked License using License File*** of this document.

APPENDIX A: CAMWORKS LICENSING INFORMATION

Given in this appendix are all relevant details you need to know about *CAMWorks* licensing before you proceed with activating, renewing, or upgrading the license.

Types of CAMWorks License

Based on single-user or multi-user requirements, the CAMWorks license can be activated either as a Nodelocked license (for single-user installation) or as a Floating Network Server License (for multi-user installation).

The Nodelocked (Standalone) License

A *Nodelocked (Standalone)* license authorizes the use of *CAMWorks* on a single Windows system.

For details on how to activate a single-user (Nodelocked) license using the License File Based Method, refer the following chapter in this document:

Chapter 2: Activating a Nodelocked License Using License File

The Floating Network Server License

The *Floating Network Server* license is ideal in environments where multiple copies of *CAMWorks* are to be run simultaneously on multiple CAMWorks *client* computers. One computer on such a network needs to be designated as the *CAMWorks License Server*. This computer will be used to submit the license request, install, and run the *CAMWorks License Service* and activate the *Floating Network Server* license. (All these activities are done via the *CAMWorks License Manager* program.) Once the license is activated, it will function as the centralized system that provides licenses to client computers for running the *CAMWorks* application modules.

Floating Network Server licenses are supported for all Client-Server Setups where the client is connected to the *CAMWorks License Server* via a *Microsoft Computer Network* or *VPN (Virtual Private Network)*.

To learn all the steps involved in activating the *Floating Network Server* license, refer the following documents that is present in the same folder as this current document:

- ***Floating_Network_License_Management_Using_License_File.pdf***
- ***Floating_Network_Online_License_Management_Guide.pdf***.

License Duration of the CAMWorks License

The CAMWorks license can be either perpetual or time bound in nature.

CAMWorks License of Perpetual Nature

The *CAMWorks* license you purchase from your Reseller is usually perpetual in nature. This means that the license will never expire, and you can continue using the *CAMWorks* application forever. However, note that you need to purchase a separate **User Subscription Plan (USP)** in order to receive latest updates for *CAMWorks* and to receive technical support.

For more details on *User Subscription Plan*, read **Appendix B: User Subscription Plan** of this document.

CAMWorks License of Time-bound nature

In most cases, the *CAMWorks* license issued to you will be a time bound license. Such licenses are non-perpetual in nature and *CAMWorks* will not function after the expiry date of the license.

If you are running *CAMWorks* using a license which is time bound in nature, when fewer than 30 days remain for the license to expire, *CAMWorks* will display a message indicating the number of days left for the license to expire. If you want to renew your license, contact your *CAMWorks* Reseller. After renewing, you need to reactivate your license.

For details on how to renew an expired Nodelocked license, refer the following chapter within this document:

Chapter 3: Renewing/ Upgrading Your Nodelocked License

CAMWorks License Modes

When you purchase a *CAMWorks* license, the mode in which it is intended to be run is also embedded in the license. *CAMWorks* is currently supplied in Commercial, Educational and Instructor license modes. When *CAMWorks* fails to detect a valid license, it will run in Demonstration Mode when launched as an Add-In within *SOLIDWORKS*.

Commercial Mode

The *Commercial* mode of the *CAMWorks* license is intended for commercial purposes. *CAMWorks* is fully functional in the *Commercial* mode.

Educational Mode

The *Educational* mode of the *CAMWorks* software license is intended for non-commercial, educational use only. The *Educational* license mode may not be resold or used for commercial purposes. In the *Educational* mode version, *CAMWorks* is fully functional except for these restrictions:

- *CAMWorks* data saved in files using the *Educational* mode license cannot be restored in a *Commercial* license mode.

- Post processing is disabled.
- The software may not be resold or used for commercial purposes.

Instructor Mode

The *Instructor* mode of the *CAMWorks* software license is intended for purchase by educational institutes and to be used by Instructors. In the *Instructor* mode version, *CAMWorks* is fully functional except for these restrictions:

- *CAMWorks* data saved in files using the *Instructor* mode license cannot be restored in a *Commercial* license version. However, *CAMWorks* data saved in files using a *Commercial* mode license can be run on *Instructor* mode license.
- The software may not be resold or used for commercial purposes.

Demonstration Mode

CAMWorks will run in *Demonstration* mode in the following cases:

- If a valid license has not been activated after installing *CAMWorks*.
- If the *CAMWorks* license expires
- When a valid *CAMWorks* license purchased is not detected by the CAMWorks License Manager program

Limitations of the Demonstration Mode

In *Demonstration* mode, *CAMWorks* is fully functional except for these restrictions:

- *CAMWorks* data saved in files cannot be restored in a *Commercial* licensed version.
- Post processing will be disabled, and NC code cannot be generated.

Demonstration Mode when CAMWorks is Run as an Add-In in CAMWorks Solids

If you run *CAMWorks* as an Add-In within the *CAMWorks Solids* application, then you have a *CAMWorks* license that is configured to run CAMWorks modules as well as the *CAMWorks Solids* application. Once your license expires, you will not be able to run the *CAMWorks Solids* application without a valid *CAMWorks* license. Consequently, you cannot run *CAMWorks* in *Demonstration* mode as that requires the *CAMWorks Solids* application to be up and running.

CAMWorks Modules

The *CAMWorks* application is modular in nature i.e., depending on varied CNC machining requirements, it has separate modules for *2½ Axis Milling, 3 Axis Milling, Rotary Milling, 3 Axis with Undercut, Turning, Mill Assembly Machining, Machine Simulation,* etc. When you purchase the *CAMWorks* application, you will be

advised on the combination of *CAMWorks* modules best suited to fulfil your machining requirements. The *CAMWorks* license you receive and activate will be configured to run only the specific modules that you have purchased. When you run the *CAMWorks* application, only the user interfaces associated with the specific modules you purchased will be activated. You can view the *CAMWorks* modules you are licensed to run in the *Authorized Modules* tab of the *CAMWorks License Manager program* (explained in the next paragraph).

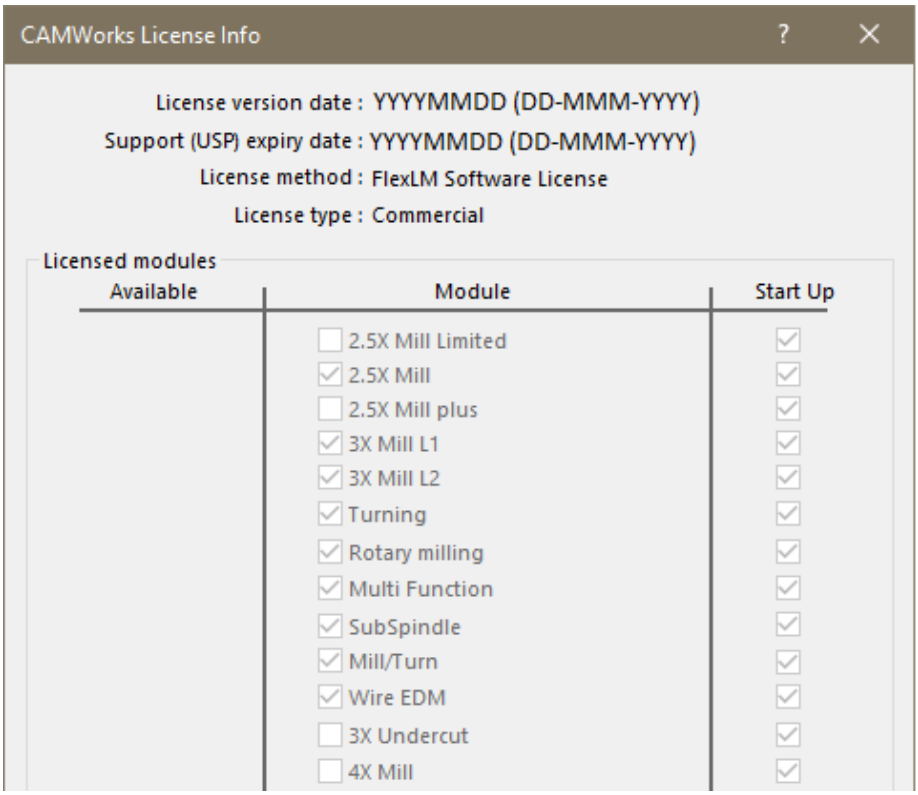
Viewing the CAMWorks Modules you are licensed to run

Method 1: Viewing License Version Date in CAMWorks License Info Dialog Box

i. Load *CAMWorks* as an Add-In within the *SOLIDWORKS/CAMWorks Solids* environment.

ii. Click on the ***Help*** menu and select *CAMWorks 2022>>License Info …*

iii. The *CAMWorks License Info* dialog box will be displayed. The ***License version date*** is given at the top of this dialog box.

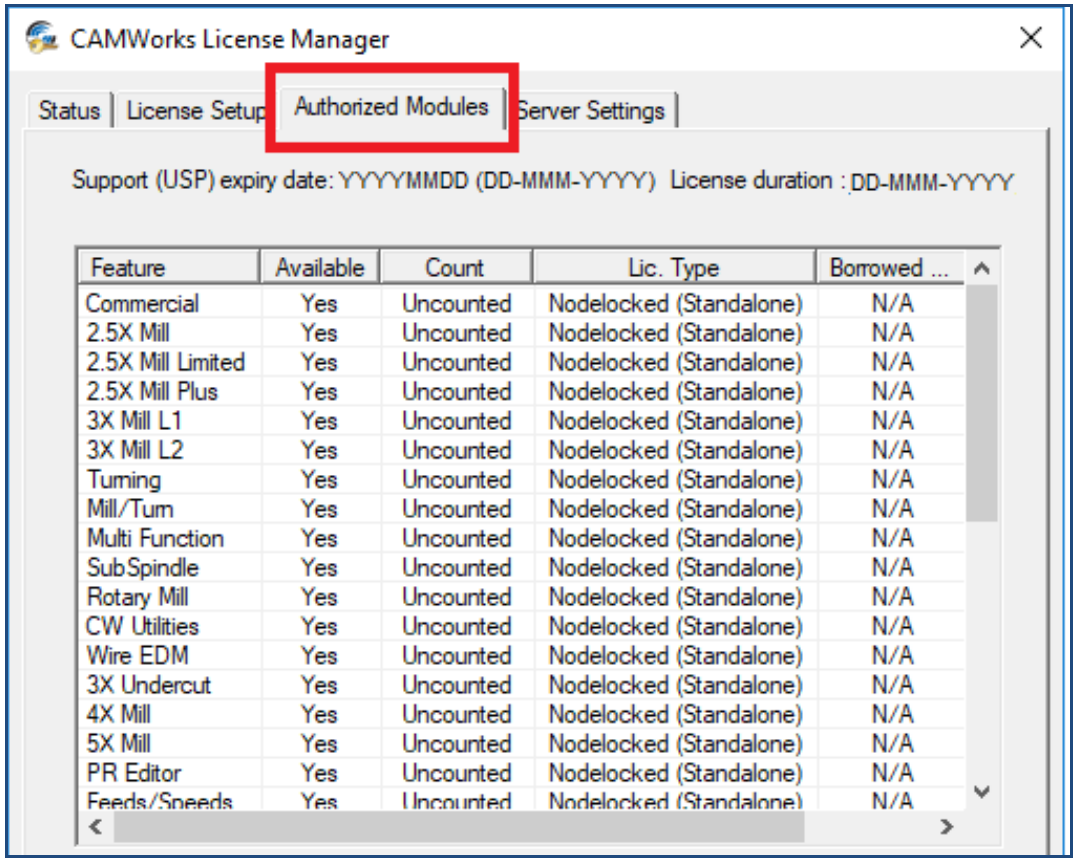


CAMWorks License Info Dialog Box

Method 2: Viewing CAMWorks Modules in CAMWorks License Manager Dialog box

1. Launch the *CAMWorks License Manager program* with Admin rights.
2. The *CAMWorks License Manager* dialog box will be displayed. Click on the *Authorized Modules* tab.

3. Observe that all the *CAMWorks* modules are listed in the Feature column of this tab.



Authorized Modules tab of CAMWorks License Manager Dialog Box

Information Displayed in the Authorized Modules Tab

The following additional information is displayed under this tab:

Support (USP) Expiry Date

The expiry date of your current User Subscription Plan is indicated in the top left corner of this tab in ***DD-MMM-YYYY*** format.

Activation ID

The Activation IDs currently used for activating the license of the CAMWorks application are displayed in read-only format below the Support (USP) expiry date in this tab.

License Duration

The expiry date of your license is indicated in the top right corner of this tab in ***DD-MMM-YYYY*** format. If you have a permanent license, then instead of an expiry date, the duration will be indicated as ***Permanent***.

Feature column

- The first row of the *Feature* column indicates the mode of your CAMWorks license (Commercial/ Educational/ etc.)
- The second row of the *Feature* column indicates the name of the software product purchased (*CAMWorks* in this instance).
- From third row onwards, all the *CAMWorks* modules you are licensed to run are listed.

Available column

- ***Yes*** in the ***Available*** column indicates that the specific module is available for use.
- ***No*** in the ***Available*** column indicates that the specific module is not available.

Count column

For a Standalone (Nodelocked) license, the *Count* column will display ***Uncounted*** since only a single license for each module is available.

Lic. Type column

For a Standalone (Nodelocked) license, the *Lic. Type* column will indicate will display "Uncounted". This indicates that only one license of each module is available for use.

APPENDIX B: USER SUBSCRIPTION PLAN

Enrolling for a User Subscription Plan (USP)

When you purchase the *CAMWorks* license for the first time from a CAMWorks Reseller, you can opt to enroll you for a *User Subscription Plan* for a specific duration by paying an applicable fee.

Benefits of User Subscription Plan (USP)

Being enrolled in the *CAMWorks User Subscription Plan* has the following benefits:

- ➔ **Receiving updates:** It allows you to keep your CAMWorks application up to date with the new features and performance improvements of *CAMWorks* released in the form of *CAMWorks* Releases and Service Packs.
- ➔ **Technical Support:** You will receive technical support for all issues with respect to *CAMWorks* and associated utilities.

Once your USP expires, you will no longer receive updates or support. Ensure that you repurchase an appropriate *USP* to continue receiving technical support and updates. This helps to keep your CAMWorks system up to date with new features and performance improvements.

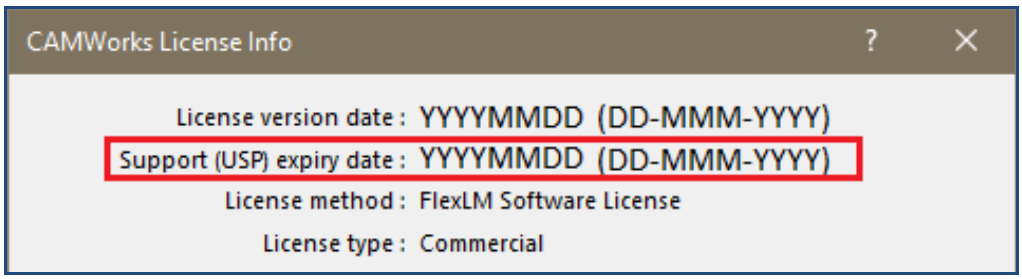
Note: **The CAMWorks license you purchase is usually perpetual in nature. However, the User Subscription Plan (USP) has a fixed duration. You need to repurchase a USP after your current plan expires.**

Viewing the Expiry Date of your User Subscription Plan

You can verify the expiry date of your current *User Subscription Plan* using one of the following methods:

Method 1: Viewing Expiry Date of USP in License Info dialog box

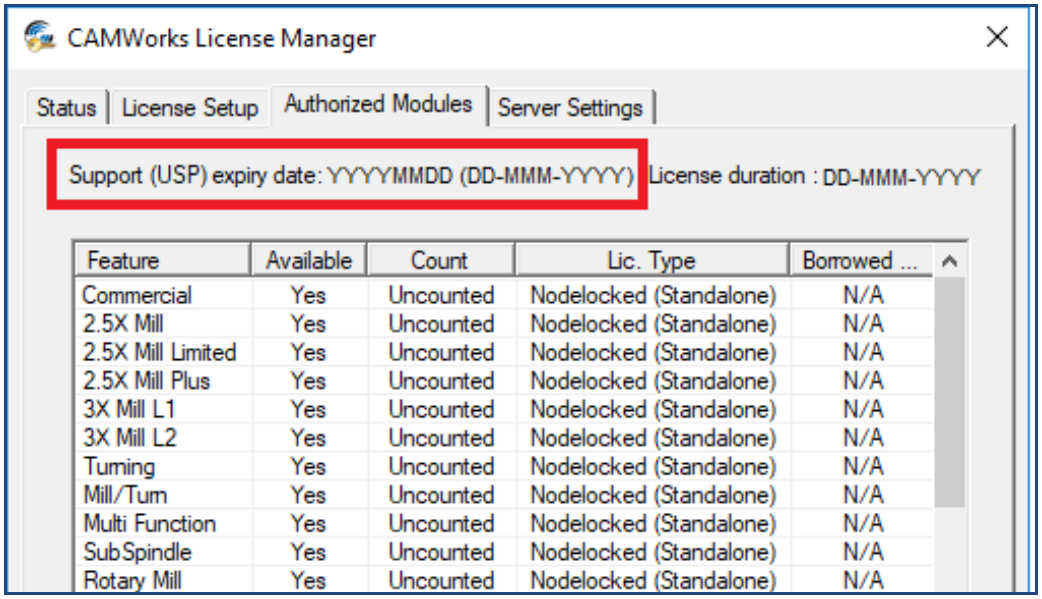
1. Launch *CAMWorks* as an Add-In within the *SOLIDWORKS/ CAMWorks Solids* environment.
2. Click on the ***Help*** menu and select ***CAMWorks 2022>>License Info ...*** The *CAMWorks License Info* dialog box will be displayed. The ***Support (USP) expiry date*** at the top left of this dialog box indicates the expiry date of your *USP*.



'Support (USP) expiry date' in the License Info Dialog Box

Method 2: Viewing USP Expiry Date in CAMWorks License Manager

1. Launch the ***CAMWorks License Manager program*** on the client computer.
   (*Start menu>>Programs>>CAMWorks License Manager>>CW License Manager*)
2. Click on the ***Authorized Modules*** tab. The ***Support (USP) expiry date*** at the top left-hand side of this tab indicates the expiry date of the *User Subscription Plan* in *YYYYMMDD* format.



The Authorized Modules tab of the CAMWorks License Manager Dialog box

Significance of the Expiry Date of your User Subscription Plan

The *User Subscription Plan (USP)* that you purchase is for a fixed duration. After its expiry, you need to re-enroll for a fresh *User Subscription Plan*.

If you have an active USP, you can download and install the latest *CAMWorks* Releases and Service Packs. Hence, the expiry date of your *User Subscription Plan* assumes significance.

- If your *Support (USP) expiry date* is a date later than the current date, then it indicates that your *User Subscription Plan* is active.
- If the *Support (USP) expiry date* is a date prior to the current date, then it indicates that your *User Subscription Plan* has expired.
- You can install those CAMWorks versions which have a *License Version date* prior to or the same as the *Support (USP) expiry date*.
- When there are only 30 days or less remaining for your *User Subscription Plan* to expire, a ***Reminder message*** will be displayed when you load *CAMWorks*. This message indicates the number of days remaining for your *User Subscription Plan* to expire.

- In order to update an existing *CAMWorks* installation, you must currently be enrolled in a *CAMWorks User Subscription Plan*. If your *User Subscription Plan* has expired, you need to renew your *User Subscription Plan* and then reactivate your Nodelocked license. The steps involved in reactivating your license after renewing or upgrading it is identical to the steps involved in activating it. For details, refer **Chapter 2: Activating a Nodelocked license using License File** of this document.

Correlation Between USP Expiry Date and License Expiry Date

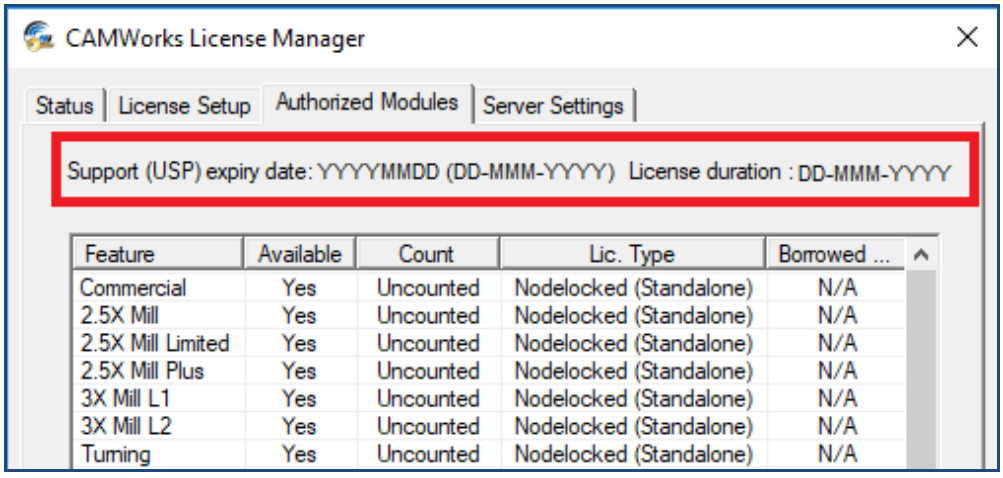
- The ***License duration*** field at the top right corner of the ***Authorized Modules tab*** in the *CAMWorks License Manager* dialog box indicates whether your CAMWorks license is perpetual or time-bound in nature.
- If your CAMWorks license is perpetual in nature, then the ***License duration*** will be displayed as ***'Permanent'***.
- If your CAMWorks License is time-bound in nature, then the expiry date of your license will be displayed in the ***License duration*** field in ***DD-MMM-YYYY*** format.

Note:

➔ If your *User Subscription Plan* expires (indicated by the Support (USP) expiry date), you can still continue using the licensed module of CAMWorks till the expiry date of your license indicated by the License Duration date).

➔ If your CAMWorks license is perpetual in nature and your *User Subscription Plan* expires, then you can use the licensed modules of the currently installed CAMWorks version in perpetuity.

However, in both the above cases, you can no longer avail the benefits associated with the *User Subscription Plan* unless you renew the plan.



The Authorized Modules tab of the CAMWorks License Manager Dialog Box

APPENDIX C: CHECKING THE LICENSE VERSION DATE

License Version Date of CAMWorks Version and its Significance

Geometric Americas, Inc. periodically releases new *CAMWorks* versions in the form of Service Packs. Every *CAMWorks* version released has a *License Version Date* associated with it. This *License Version Date* indicates whether you are eligible to use the newly released *CAMWorks* version or not.

- If the *License Version Date* associated with a CAMWorks version is lower than the expiry date of the User Subscription Plan (USP) associated with your CAMWorks license, then you are eligible to run and use the *CAMWorks* application. (To view the expiry date of your *User Subscription Plan*, refer the topic: Viewing the Expiry Date of your User Subscription Plan in Appendix B of this document.)
- If the *License Version Date* associated with a CAMWorks version is later than the expiry date of the User Subscription Plan (USP) associated with your CAMWorks license, then you are not eligible to run the CAMWorks application. You may download and install the *CAMWorks* version but won't be able to run *CAMWorks* unless a license with a renewed User Subscription Plan (USP) is activated.

Illustrative Example to indicate eligibility to run a CAMWorks version based on License Version Date:

If the *License Version Date* of the new version of *CAMWorks* is *February 15, 2022 [20220215]* and the *Support (USP) expiry date* of the *CAMWorks* license is *March 15, 2022 [20220315]*, then you are eligible to install and run the new version as the *License version date* is a date prior to the USP expiry date.

Viewing the License Version Date associated with a CAMWorks Version

You can view the *License Version Date* associated with the CAMWorks version currently loaded as Add-In within *SOLIDWORKS /CAMWorks Solids* using one of the following methods:

Viewing License Version Date in CAMWorks ReadMe File

The *License Version date* of a *CAMWorks* version is mentioned in the *ReadMe* file. The *ReadMe* file for the version installed on your system can be accessed by selecting:

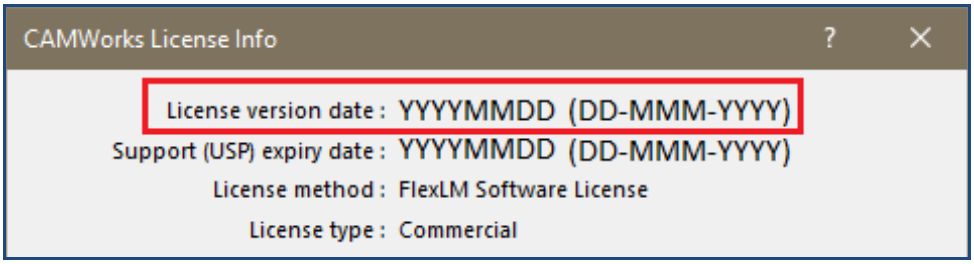
<Drive>:\Program Files \CAMWorks2022x64 \CAMWorks_VC141\Lang\English\ Manuals\ ReadMe

Viewing License Version Date in CAMWorks License Info Dialog Box

i. Load *CAMWorks* as an Add-In within the *SOLIDWORKS/CAMWorks Solids* environment.

ii. Click on the ***Help*** menu and select *CAMWorks 2022>>License Info …*

iii. The *CAMWorks License Info* dialog box will be displayed. The ***License version date*** is given at the top of this dialog box.



'License Version date' in the License Info Dialog Box

TROUBLESHOOTING A: LICENSE ACTIVATION

As a result of the complexity of the computer system's operating environment, conflicts and problems can occur.

This section provides suggestions for you to resolve problems with the following:

- Valid License is not detected when CAMWorks is launched
- CAMWorks License does not support the CAMWorks Version

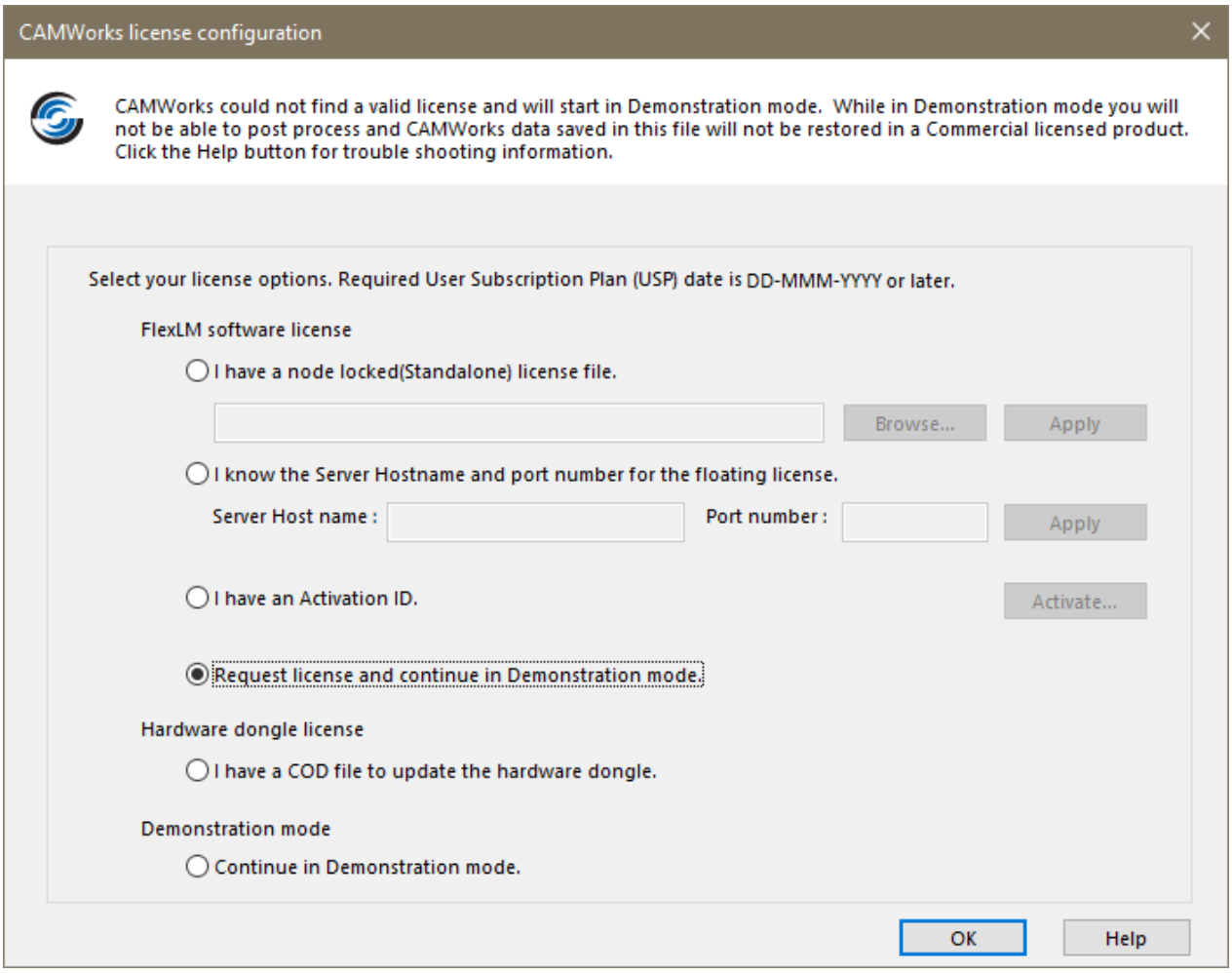
Valid License is not detected when CAMWorks is launched

When *CAMWorks* is launched as an Add-In within the *SOLIDWORKS* environment, it automatically checks for the presence of a valid license. If a valid license is detected, then CAMWorks is launched. If a valid license is not detected, then CAMWorks displays the ***CAMWorks License Configuration*** dialog box. In the top portion of this dialog box, a message stating the reason why a valid license could not be detected by the *CAMWorks* application will be displayed.

Following are the different warning messages displayed in this dialog box on non-detection of valid license along with the corresponding reason for non-detection of the license:

Sr. no.	Warning Messages displayed in the dialog box	Reason why the Error Message is displayed
1.	CAMWorks could not find a valid license and will start in Demonstration mode. While in Demonstration mode, you will not be able to post process and CAMWorks data saved in this file will not be restored in a Commercial license mode.	When the License File is not set correctly in the License Setup tab of the CAMWorks License Manager for a Standalone or Floating Network License. OR When the License File set in the License Setup tab of the CAMWorks License Manager for a Standalone or Floating Network License is invalid.
2.	FlexLM License has expired. Please request a new license. CAMWorks will run in Demonstration mode till a new valid license is activated. While in Demonstration mode you will not be able to post process and CAMWorks data saved in this file will not be restored in a Commercial license mode.	When the License File used for FlexLM licensing method expires for a Standalone or Floating Network License.

In addition to stating the reason why a valid license could not be detected, the Warning Message dialog box further states that CAMWorks will run in Demonstration mode in the absence of a valid license. It also informs that files saved in Demonstration mode cannot be later opened in any other mode.



Dialog box displayed when valid CAMWorks license is not detected

Depending on the reason for non-detection of a valid license, one of the following license options displayed in the dialog box will be selected by default:

- I have a node locked (Standalone) license file
- I know the Server Host name and port number for the floating license
- I have an Activation ID
- Request license and continue in Demonstration mode
- I have a COD file to update the hardware dongle
- Continue in Demonstration mode

You can either use the default option or change to another option in order to proceed using the CAMWorks application.

If you need assistance on the instructions to be followed after you select a specific option, click on the ***Help*** button within this dialog box. The consequent Help webpage displayed gives details on the various options and the instructions on how to activate the license based on the option chosen.

CAMWorks License does not support the CAMWorks Version

In order to update an existing CAMWorks version installed on your system, you must currently be enrolled in a CAMWorks User Subscription Plan and your software license must be programmed to run this release.

If your *User Subscription Plan* is active, then you can install those *CAMWorks* versions which have a License Version date prior to or the same as the expiry date of your User Subscription Plan.

If your *User Subscription Plan* has expired, you will not be eligible to upgrade your existing CAMWorks version. You will need to contact your CAMWorks Reseller to re-activate your *User Subscription Plan*. Once you re-enroll for the *User Subscription Plan*, you need to update your CAMWorks License by activating the fresh CAMWorks license that you receive. Once your *User Subscription Plan* is active, you can upgrade your CAMWorks version.

TROUBLESHOOTING B: LICENSING ISSUES FOR NODELOCKED LICENSING

This section provides describes some common complications that can occur when using FlexLM software licensing for a Nodelocked (Standalone) installation and provides suggestions to resolve such licensing problems quickly.

1. CAMWorks License Manager is not installed/ has been Uninstalled

CAMWorks will not function at all in the absence of the *CAMWorks License Manager program*. Read the topic Installing the CAMWorks License Manager Program in Chapter 1 of this document for instructions on how to install the *CAMWorks License Manager program*. Once installed, proceed with activating/renewing/upgrading your CAMWorks license as explained in Chapter 2 of this document.

2. The location identifying the License File is not Correct

Make sure the specified path to the license file in the *License Setup* of the CAMWorks License Manager tool is correct.

If installed as a Nodelocked (Standalone) license, the license file must reside on the same Windows system that is running CAMWorks.

3. The License File may be invalid

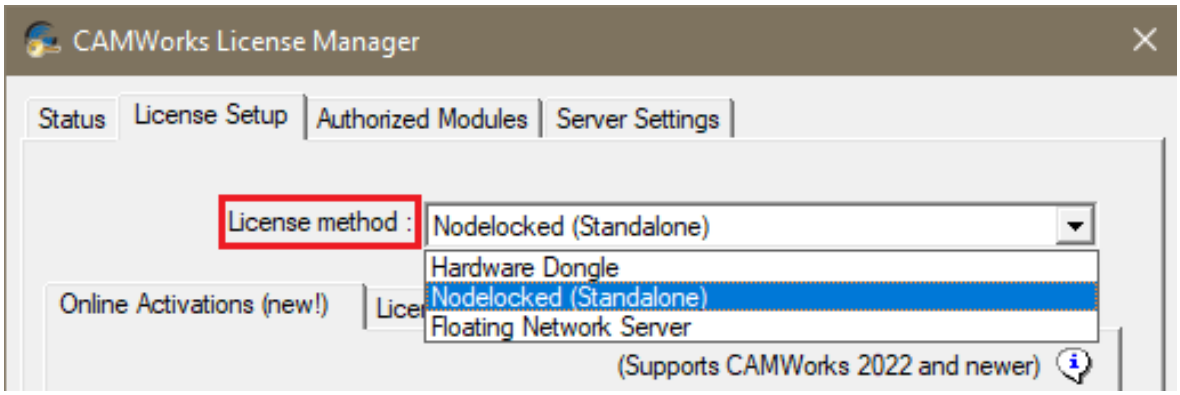
If the license file has been modified or tampered with, the license may become invalid. Contact your CAMWorks Reseller and get a fresh license issued.

4. The CAMWorks License Manager Program has been uninstalled

If the *CAMWorks License Manager* program is uninstalled, the license is also removed and CAMWorks will no longer run on that machine until a new license has been applied for and activated. Contact your CAMWorks Reseller.

5. Hardware Dongle used for Licensing instead of Nodelocked (Standalone)

If you are using a Hardware dongle, check the option selected for *License method* in the *License Setup* tab in the *CAMWorks License Manager* program and ensure that the *Nodelocked (Standalone)* option is selected.

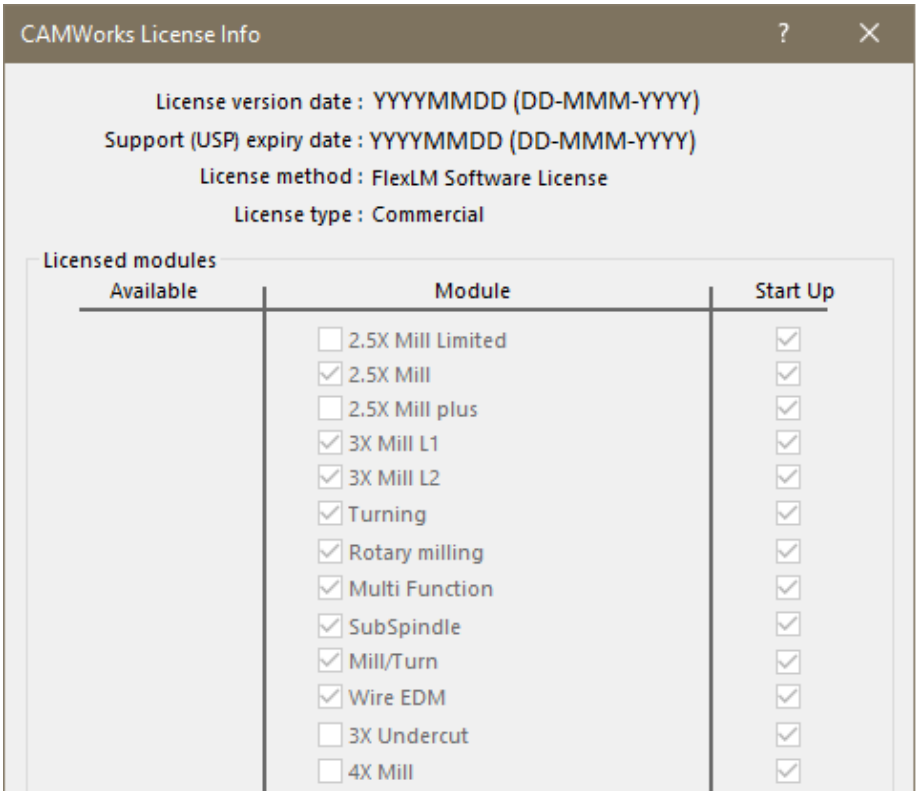


Select 'Nodelocked (Standalone) as the License Method in License Setup Tab of the CAMWorks License Manager UI

6. CAMWorks launches without any Errors but Functions are Disabled

You may not have a license for the specific CAMWorks module that you are trying to use. You can verify the CAMWorks modules you are licensed to run by viewing the *CAMWorks License Info* dialog box.

To view this dialog box, click on the Help menu in *SOLIDWORKS/CAMWorks Solids* and select ***CAMWorks 2022>>License Info ...*** The CAMWorks License Info dialog box will be displayed. This dialog box lists all the CAMWorks Modules you are licensed to run.



CAMWorks License Info Dialog Box