Gc GibbsCAM® 14

Version 14 : September 2020

GibbsCAM 13 Free Trial:
Installing, Registering, and Upgrading

3D SYSTEMS

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Contents

Introduction

Welcome

Congratulations on deciding to try GibbsCAM 14, the most productive CAM system available. This guide contains all the information you need to install the free trial version and begin using the software. If you have any problems with the installation procedure, contact GibbsCAMGibbsCAM Technical Support; they will be happy to assist you with the installation process. (See "If You Encounter a Problem or Want More Information" on page 11.)

Your confirmation email contains a Product Code. In the registration process, the Product Code and other information are supplied to obtain a license file. At first startup, GibbsCAM will prompt you to supply the license file. All steps in this process are thoroughly explained in "Registration" on page 12.

Important Information About Security. GibbsCAM security is provided by a license file that is linked to unique information from your computing environment, such as a unique identifier over a network. The license file authorizes use of GibbsCAM products only when the license server is running and it validates the unique identifier.

Website for 3D Systems GibbsCAM. The Gibbs website – http://www.GibbsCAM.com – can be accessed by anyone with Internet access. The site contains useful files available for downloading, as well as company news, product information, email links, technical support utilities, and much more. It is the preferred means of connecting to Gibbs electronically.

System Requirements

The requirements to run GibbsCAM do not have specific values. The requirements vary depending upon the operating system you use and the complexity of your part. We have a list of basic guidelines, seen below, that are common to all users. We also offer minimum supported requirements based upon your operating system, and we describe a recommended system.

Operating System	Windows 7 (SP 1 or higher), Windows 8.1, Windows 10, or Windows Server (2008 R2 • 2012 • 2016). A 64-bit OS platform is required. Please install the latest available OS service packs and patches through Windows Update.
Microsoft .NET Framework	This release requires Microsoft .NET Framework. Most machines will already have this (for example, if Office is installed), but if it is lacking, then the GibbsCAM installer will tell you what is needed.
Hardware	Minimum system requirements depend on the operating system. There are also recommended hardware requirements. Please remember that the more complex a part, the higher your system requirements.

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- At least 8 GB of free disk space is required to install the software.
- A flash drive is required to read the GibbsCAM product media. However, you can also download installers and other files from the GibbsCAM website.

Video Drivers   Please install the latest available driver for your video card. The standard Windows drivers are typically not adequate, because of the GibbsCAM application's advanced use of OpenGL and video RAM. We strongly recommend that you keep your system up-to-date with fully installed and updated drivers.

Minimum Requirements

The requirements for running GibbsCAM on these systems — Windows 7 / 8.1 / 10 or 64-bit Windows Server 2008 / 2008 R2 / 2012 — are as follows.

CPU
- Intel Core 2 or newer. This includes Core i3 / i5 / i7 / i9, Xeon, Pentium dual-core, and Celeron (1.7 GHz or faster)
- AMD Family 17h. This includes Ryzen and Threadripper.

RAM   4+ GB of total RAM.

Video Card   A quality 3D accelerated video card with 1+ GB of video memory.

Recommended System

A computer that matches or exceeds the following requirements will run GibbsCAM very comfortably. Please note that the larger or more complex your parts are, the more GibbsCAM will demand from your system.

Operating System	Windows 10
CPU	*Intel*: Core i9, i7, or i5 with four or more cores *AMD*: Ryzen or Threadripper
RAM	16 GB RAM
Video Card	An NVIDIA video card with 2+ GB of video memory.

Installation

Before Installing

Before you install the software, ensure that you meet the system requirements and that you have installed the most recent service pack for your operating system and the latest drivers for your video card.

About the Installer

The installer lets you do either of the following:

- Repair or uninstall an existing installation of GibbsCAM 14.

- Install the GibbsCAM 14 Free Trial base components (see "Results of Installing Free Trial GibbsCAM" on page 6) and, optionally, one or more add-ins:

  - CAD Transfer add-ins include Autodesk Inventor, Solid Edge, SOLIDWORKS, and many others.

When the base components are installed, the GibbsCAM PDFs and the Moorpark engraving font are automatically installed, and a desktop shortcut to the GibbsCAM 14 application is created.

Results of Installing Free Trial GibbsCAM

After your installation is registered (see "Registering GibbsCAM " on page 12), you will be able to use the following GibbsCAM product options for 30 days:

- Production Mill
- Production Lathe
- Advanced CS
- Solids Import
- 2.5D Solids
- SolidSurfacer
- Polar & Cylindrical Milling
- Data Importers (all)
- Machine Simulation

Postprocessing is disabled in the Free Trial version of GibbsCAM. Although you will be able to *save* your GibbsCAM part models (`*.vnc` files) and machine models, you will not be able to *post* them until you upgrade to a full GibbsCAM license.

File Locations

The GibbsCAM installer writes files to three different locations, because different kinds of data are accessed for different purposes:

- *User data* changes with each user.

- *Global data* applies to all users.

- *Install data* includes generic data and Reporter templates.

The installer is the only program that writes install data. The installer and the GibbsCAM application write global data and install data. However, if the installer is re-run, it will not affect user data and global data files that have been changed by the application.

Folders containing the three types of data are detailed below. If you customize these files or upgrade your version of GibbsCAM frequently, accessing and copying these files can become quite important. The GibbsCAM Migration Tool is the preferred method for migrating settings and preferences from previous GibbsCAM releases.

The following table shows the folder hierarchy.

User data	`C:\Users\<username>\AppData\Roaming\3D Systems\GibbsCAM\<version>`
Global data	`C:\ProgramData\3D Systems\GibbsCAM\<version>`
Install data	`C:\Program Files*\3D Systems\GibbsCAM\<version>`

User Data Files

User Data includes such files as`: sysdef.rsc` (what was entered in dialogs), `UIState.dat` (where your windows were and their size) and a `Plugins\` folder that contains what was entered in the plug-ins. Even users with limited privileges can migrate User Data from a previous release using the Migration Tool.

Global Data (Program Data) Files

Global data, also called *program data*, includes the bolt and tap tables, the CutDATA file (`Material.txt`), your communication setup data (`protocol.txt`), a file that stores the Hole Wizard data (`prefs.rsc`), a folder that contains your custom MDDs, and the PostHASTE Library folder that contains PostHASTE library files.

The program data folder is the location where all customizable VMMs, MDDs, macros, and plug-ins should reside. Although the installation folder contains read-only *template* versions of these files — in other words, the original versions as shipped, before any customization — the intent is for each

seat of GibbsCAM to have its own potentially customizable version of these files residing under the program data folder.

Only users with Administrator privileges can migrate program data files from a previous release using the Migration Tool.

The location of the CutDATA file can also customized within GibbsCAM: On the File menu, click Preferences and see the Files tab.

Installation Files

Installation files are read-only. They include generic versions of Global and User data files, the default user-interface (`*.cui`) files, and the Reporter Templates, which are located in the `...\PlugIns\Data\Report\` folder. If you create custom reports, they should be placed in this folder.

Only users with Administrator privileges can migrate installation files from a previous release using the Migration Tool, and not all installation files can be migrated.

Existing Communications, CutDATA and Library Files

Installing a new version of GibbsCAM creates a default material database, a blank communications file, default PostHASTE library files, and default Reporter templates. Once the new version is installed you can copy `protocol.txt`, `material.txt` and the `Library\` folder to the new GibbsCAM folder.

User Access To AppData Folders

Windows marks user `AppData\` folders as invisible, and limited users cannot access them. If you do not use the Migration Tool, you may need an administrator's assistance to access and modify these folders.

Step-By-Step Instructions

To Install the System Files

1. If you do not have a flash drive and have not already done so, download the installer file—
   `GibbsCAM_x64_v12.0.<x>.<y>_<Lang>.exe` — such as
   `GibbsCAM_x64_v12.0.32.0_en-US.exe` —
   from the website.

2. Run the installer file. (If you have a flash drive, this should run automatically when you insert the media.)

3. If prompted to do so, click Yes to give permission to the **User Account Control** dialog to install the software.

   The installer automatically detects your computer's environment (such as language and platform) and launches the appropriate setup wizard.

4. In the Welcome step: Click Next to continue.

   You will need to accept the terms of the GibbsCAM Software License Agreement to continue the installation.

5. In the Collecting Information step, optionally specify add-ins to install and optionally change the installation location (not recommended). When you are satisfied with your choices, click Next.
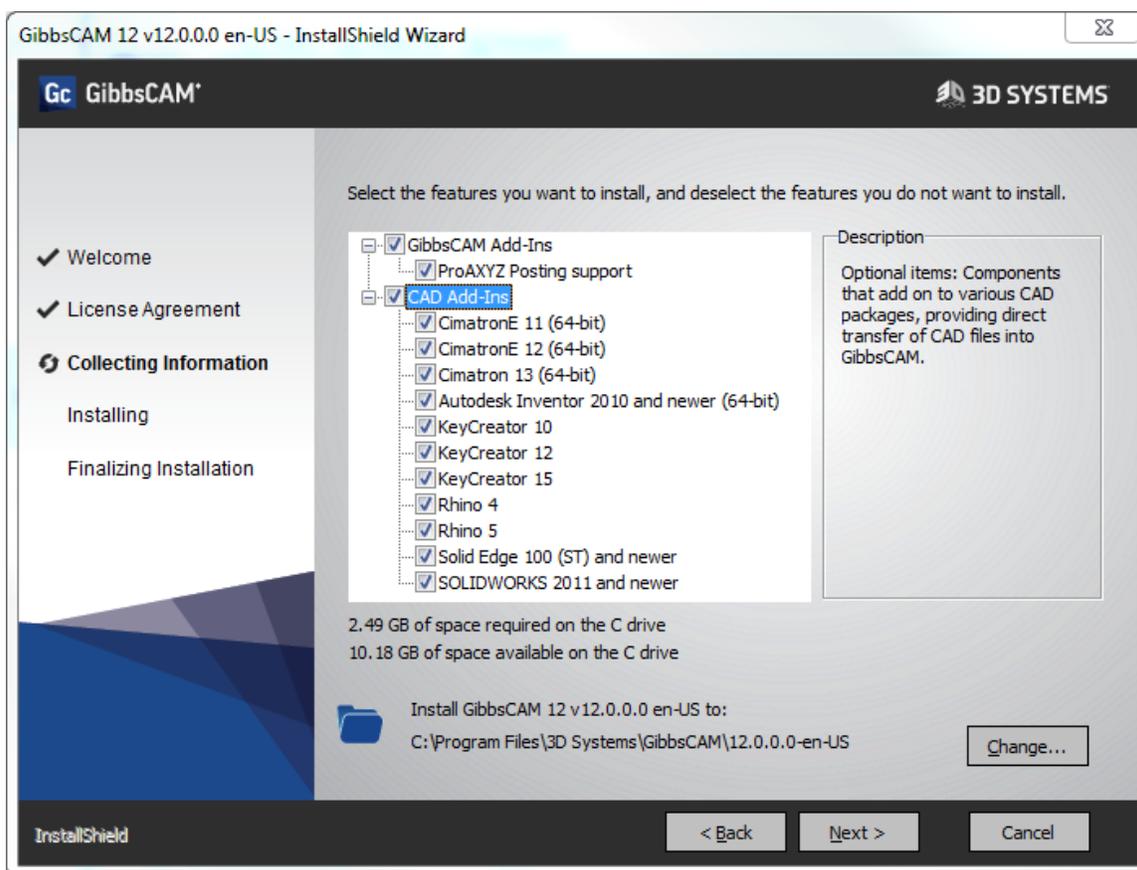
This release requires Microsoft .NET Framework. Most machines will already have this (for example, if Office is installed), but if it is lacking, then the GibbsCAM installer will tell you what is needed. If you need either or both, they are available for download from the Microsoft website.

6. In the next step, click Install.

    If prompted by the User Account Control to use administrator privileges, click Yes.

7. Click Install, and allow a few minutes for the files to be installed.

8. When the installation is complete, click Finish to close the setup.

To Launch the Application

To launch the GibbsCAM application, do one of the following:

-   In Start > Programs, select the GibbsCAM item.

-   Double-click the desktop shortcut to the GibbsCAM executable.

-   Double-click a *.vnc file.

The first time you launch GibbsCAM, the following dialog appears:
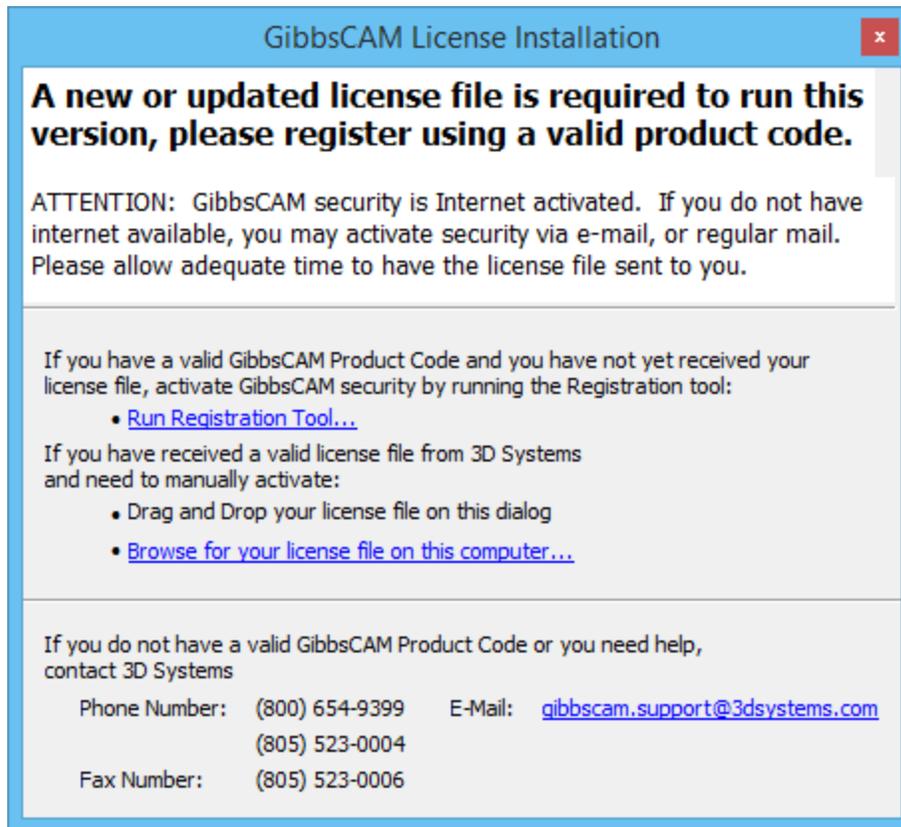
For more detailed information on registering the software, see "Registering GibbsCAM" on page 12.

If You Encounter a Problem or Want More Information

Installation issues. GibbsCAM Technical Support is available to help with installation issues, Monday through Friday, 5:00AM to 5:00PM Pacific Time:

- Voice: (800) 654-9399 (toll-free from within the U.S.)

- Voice: +1.805.523.0004

- Fax: +1.805.523.0006

- Email: GibbsCAM.Support@3Dsystems.com

Further information or support. If you would information or training beyond what is supplied with the Free Trial version, please call +1.919.447.8211 to speak with a Business Development Representative, or email the GibbsCAM Sales Department, to put you in contact with a Reseller:

- GibbsCAM.Sales@3Dsystems.com

Registration

Registering GibbsCAM

When a fresh installation of GibbsCAM is first started, it reports that no license file is found. After registration is complete, however, GibbsCAM will continue on to run as usual.
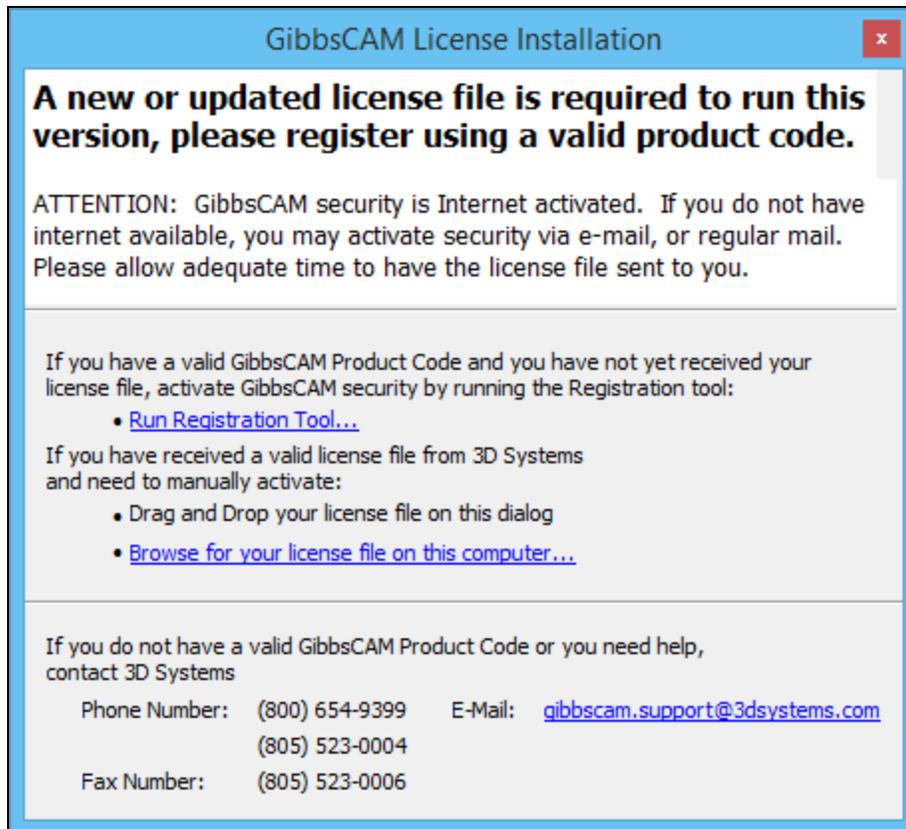
The License Installation or License Update dialog lets you drag a license onto the dialog for application installation, browse the computer for a license file, or run the Registration Tool to obtain a license file through the Gibbs Activation Service.

*   If you already have a license file for v13.0 or earlier, however, you can simply drag and drop it onto this dialog, or click Browse for your license file on this computer... to navigate to it and select it.

Running the Registration Tool

1. Click the Run Registration Tool... link.

2. Enter (or copy-and-paste) your Product Code and then click Next.

3. Enter your customer information and click Next.

4. If the Registration Tool determines that the computer can directly contact the Gibbs Activation Service, the final page of the Registration Tool lets you click Finish to automatically obtain a license file.

GibbsCAM Server License Registration Tool

Press the Finish button to register GibbsCAM over the internet.

License Registration Data

Product Code
A1B2-C3D4-E5F6-A1B2-C3D4
Contact Information
Host Name: JohnQ-Win7x64P
IP Address: 192.168.1.1
User Name: John Q. Customer
EMail Address: jqc789@example.com
Company: Example Company, Inc.
Phone Number: +1.805.555.1212
Date: 12-06-2012 09:23:54

Save Data...   E-Mail Data...   < Back   Finish   Cancel

Upgrading to Full GibbsCAM

To upgrade, all you need to do is run the Registration Tool utility ("RegTool"), supply the new product code, optionally update your registration information, and click Finish.
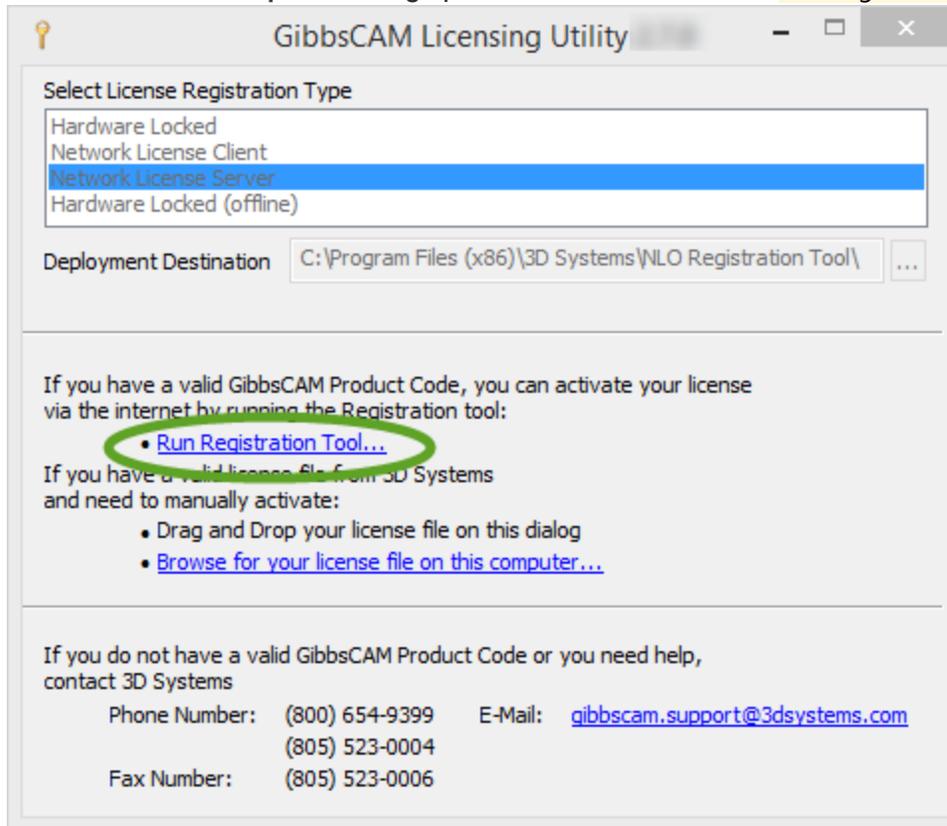
You can do this either from within a GibbsCAM session or from the Start menu.

To run RegTool from within a GibbsCAM session

1. On the File menu, click Preferences; in the Preferences dialog, select Interface; in the Interface page, click the License Update button.
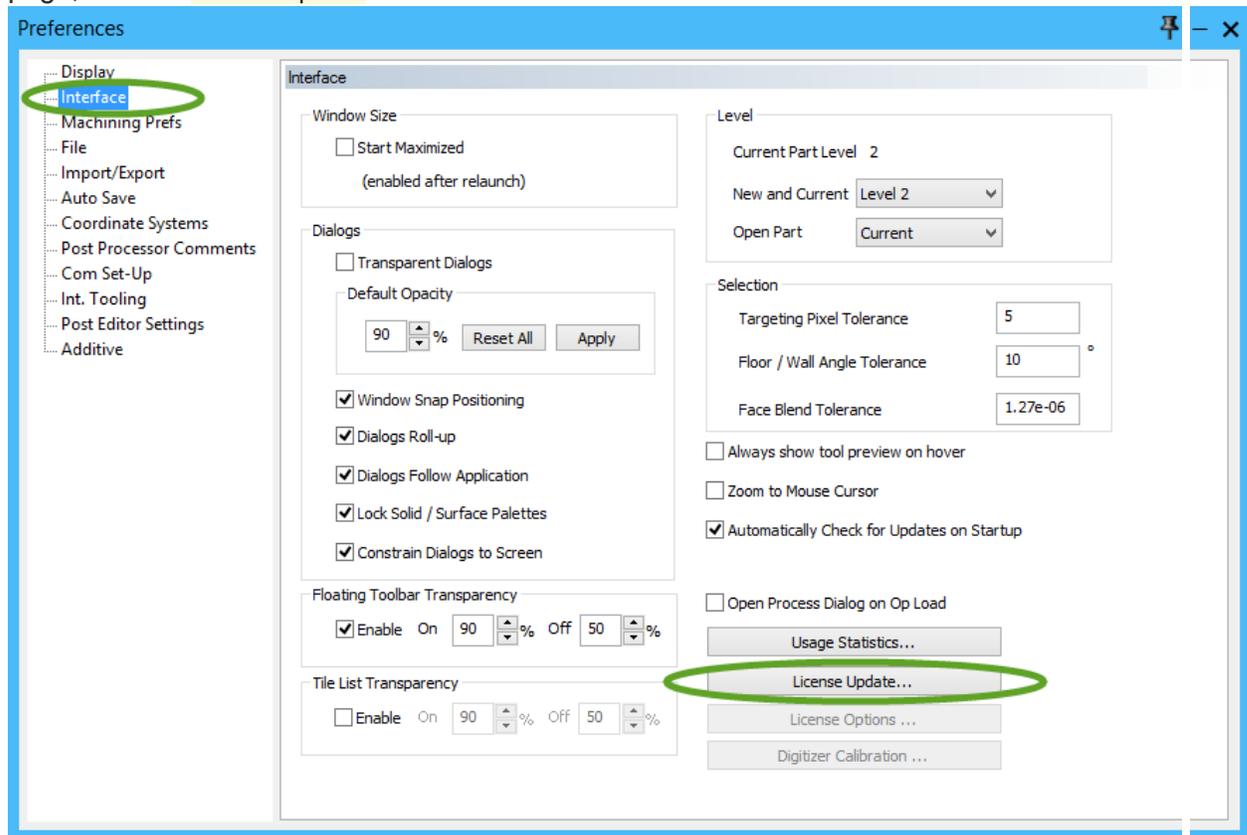
2. When the **License Update** dialog opens, click the link labeled "Run Registration Tool".

(Alternatively) To run RegTool outside of GibbsCAM

1. In the **Start** menu, search for `Registration Tool` and select the latest version.

2. When the **Licensing Utility** dialog opens, click the link labeled "Run Registration Tool".

Supply Product Code

3. In the **Client License Registration Tool** dialog, enter or paste the 20-character product code that you were provided, and then click Next..

Enter Your Product Code
The code should have the format: XXXX-XXXX-XXXX-XXXX-XXXX

| A1B2 | C3D4 | E5F6 | A1B2 | C3D4 | Info... |

The code appears to be valid.

Key Information
Hardware Key: No   Networked: Yes   Upgrade: No   Timed: No
Customer Type: Internal

[< Back]   [Next >]   [Cancel]

4. The next step lets you update your Registration Information. Click Next.

5. When you are satisfied with the information you have entered, click Finish.