



## About This Document

This document is intended for users of the Educational editions of GibbsCAM 13. It is divided into the following sections.

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## To the Instructor: About Classroom Edition and Student Edition

The first 5 pages of this document are intended for you, the instructor. The last few pages (pages 6–8) are for both you and your students, and can be freely distributed to them.

## About GibbsCAM Educational Editions

The Educational editions of GibbsCAM provide a low-cost version of GibbsCAM software to facilitate teaching Computer-Aided Manufacturing (CAM) in educational institutions. Educational editions of GibbsCAM differ from Industrial editions in the following respects:

- The interface and posting output are branded “Not for Commercial Use”.
- Posting is branded specifically to each school.
- Output of save/copy/paste actions is limited to Educational format.
- File formats are intentionally incompatible with the Industrial edition. File extensions are:
  - \*.evnc – Parts
  - \*.eprc2 – Processes (*was filetype \*.eprc before GibbsCAM 2015 v11.0*)
  - \*.epost – Posts (*was filetype \*.epst before GibbsCAM 2015 v11.0*)

Educational GibbsCAM has two kinds of seats: **Classroom**, and **Student**.



## Differences Between Classroom and Student Editions

	Classroom seat	Student seats
<i>Distribution, acquisition, and licensing/security</i>	<p>For GibbsCAM Classroom Edition, the preferred option is to download from the Web.</p> <p>Installers, PDFs, and samples are downloaded from Gibbs Online—  <a href="https://online.GibbsCAM.com/">https://online.GibbsCAM.com/</a>            If you need a username and password, contact Technical Support:  <a href="mailto:GibbsCAM.Support@3DSystems.com">GibbsCAM.Support@3DSystems.com</a>.</p> <p>Classroom seats are licensed through authorized GibbsCAM Resellers. They can be secured by Network Licensing Option (NLO), software lock, or hardware key.</p>	<p>GibbsCAM Student Edition is purchased online from the GibbsCAM Student Store:  <a href="http://store.GibbsCAM.com">http://store.GibbsCAM.com</a>            Payment is through PayPal. Although the Store assumes the purchaser is the student, an instructor can purchase on behalf of a student's behalf and transfer the product code as needed. Installers, PDFs, and samples are downloaded from the Store. Student seats are secured by software lock only.</p>
<i>Bit-ness</i>	Software is 64-bit only, and requires a 64-bit platform for installation.	Software is 64-bit only, and requires a 64-bit platform for installation.
<i>Language support</i>	GUIs are available in all 18 supported languages.	GUI is English only.
<i>Installer filename</i>	..._x64_v13.0.m.n_<locale>_Classroom.exe	..._x64_v13.0.m.n_Student.exe
<i>Options and features</i>	For Classroom seats, the feature set of the base GibbsCAM bundle can be expanded with additional options as described on page 3. If this is done, the instructor should note which additional options are available only in the classroom and avoid assigning homework that requires features beyond the base bundle.	Student seats are limited to the feature set of the base GibbsCAM bundle (page 8): Mill, Lathe, VoluMill, VoluTurn, Mill/Turn, Advanced CS, Solids, most plug-ins, and data importers.
<i>System requirements</i>	<i>No difference between Classroom and Student; see "System Requirements" on page 6.</i>	
<i>Documentation, samples, etc.</i>	<i>No difference between Classroom and Student; Industrial-edition documentation and samples are re-used for Educational, and so the instructor should explain:</i>	
<i>File formats</i>	<ul style="list-style-type: none"> <li>• File extensions (.vnc, .prc, and .post) in the documentation should be read as .evnc, .eprc2, and .epost in the Educational environment.</li> <li>• Output of save/copy/paste actions is confined to the .evnc/.eprc2 formats.</li> </ul>	
<i>Support</i>	<p>Instructors and Resellers can contact GibbsCAM Technical Support:</p> <ul style="list-style-type: none"> <li>• Email: <a href="mailto:GibbsCAM.Support@3DSystems.com">GibbsCAM.Support@3DSystems.com</a></li> <li>• Telephone: +1.805.523.0004 (5:00AM to 5:00PM Pacific Time)</li> <li>• Fax: +1.805.523.0006</li> </ul>	Students should bring their questions and concerns to the instructor.



## Additional Options and Features for Classroom Edition Only

**Included.** The Classroom edition includes all options and features in the base GibbsCAM bundle — see “Features in the Base GibbsCAM Bundle” on page 8 — and also:

- The ability to post (limited to \*.[.epost](#) format only, branded with classroom identification).
- Access to custom plug-ins and all functionality of Plug-In Manager.

**Available.** For the Classroom edition only, additional options and features can be purchased.

- Multi-Task Machining (MTM)
- Multi-Axis Bundle: Radial Milling, 5-Axis (except Post5), and Tombstone Management System
- Data Exchange (import functions only):
  - CATIA V4 or V5
  - PTC Creo Parametric (GRANITE)
  - Siemens PLM (UGS) NX
- CutDATA database of materials and feeds/speeds
- Wire EDM

## Limitations of the Educational Editions

**All Educational editions.** Before you use the software or report any issues with it, please be aware of the following intentional limitations of any Educational edition.

- The output of save/copy/paste actions is limited to Educational format.
- File formats are intentionally incompatible with all Industrial editions.
- The automatic Update Notifier is disabled.
- Except for this Readme, all end-user documentation (and some of the GUI) uses terms from the Industrial editions. For example, in Educational editions, the Import VNC plug-in allows importation of \*.[.evnc](#) files, but is nonetheless called “Import VNC”.)

**Student edition only.** GibbsCAM 13 Student Edition has additional intentional limitations.

- There is no ability to post.
- The application programming interface (API) is limited.
- Technical support is provided by the instructor and not by GibbsCAM Technical Support.
- There is no option for maintenance or upgrades.
- Students are confined to a single product configuration and are unable to purchase extras.



## Procedures for GibbsCAM 13 Classroom Edition

This section contains procedures for accomplishing the following Classroom Edition tasks.

- [To Download the Installer from Gibbs Online](#)
- [To Download Other Classroom Materials from Gibbs Online](#)
- [To Install a Classroom Seat of Educational GibbsCAM](#)
- [To Report an Issue](#)

For procedures common to both Educational editions, see “[Installation Procedures](#)” on page 6.

### To Download the Installer from Gibbs Online

1. Log into Gibbs Online— <https://online.GibbsCAM.com/>  
If you need a username and password, contact Technical Support:  
[GibbsCAM.Support@3DSystems.com](mailto:GibbsCAM.Support@3DSystems.com).
2. Under **Software Downloads**, do one of the following:
  - For the *current* release, click the link for [GibbsCAM Software](#) and scroll down to the **Classroom Edition** section (near the end of the page).
  - For an *archived* release, click the link for [Software Archive](#), then click the link [Educational](#), then [Classroom Edition](#), and then the release.
3. Select the installer file of appropriate locale (such as [en-US](#)).
4. Save the executable (such as: [GibbsCAM\\_x64\\_v13.0.99.9\\_en-US\\_Classroom.exe](#)).

### To Download Other Classroom Materials from Gibbs Online

1. Log into Gibbs Online— <https://online.GibbsCAM.com/>.
2. Do one of the following:
  - For documentation, go to **Software Downloads** > [GibbsCAM Software](#), scroll down to the **Classroom Edition** section, and select the link for the documentation you want to download (English, Czech, French, German, Italian, Japanese, or Spanish).
  - For samples (part files, Machine Sim models, macros, and others), go to **Software Downloads** > [Samples](#) and select the link for each sample you want to download.

### To Install a Classroom Seat of Educational GibbsCAM

*Before you begin:* See “[System Requirements](#)” on page 6.

1. Do one of the following:
  - Run the installer file that you downloaded from [Gibbs Online](#) (see procedure above).
  - Insert the flash drive. Either the system will auto-run the correct installer file, or you can manually run [GibbsCAM\\_x64\\_v13.0.m.n\\_en-US\\_Classroom.exe](#)
2. Wait a few moments for the files to extract. If prompted by User Account Control to use administrator privileges, click Yes.
3. Read the information about GibbsCAM 13 Classroom Edition. Click Next to continue.



4. Follow the wizard's instructions for installing v13.0.m.n:
  - a. Accept the terms of the license agreement and then click Next.
  - b. Select zero or more Add-Ins, select or accept the destination folder for the installation, and then click Next.

*Note:* Some add-ins may require you to accept additional license agreements.
  - c. Click Install. When the installation is complete, click Finish to close the setup.

For detailed topics on installation, registration, network licensing, migration, or maintenance, refer to the *Installation* guide (PDF or online help).

## To Report an Issue to GibbsCAM Technical Support

To report an issue by e-mail ..... [GibbsCAM.Support@3DSystems.com](mailto:GibbsCAM.Support@3DSystems.com)

To report an issue by telephone ..... +1.805.523.0004  
5:00AM – 5:00PM Pacific Time

To report an issue by fax ..... +1.805.523.0006

To report an issue by mail ..... 323 Science Dr  
Moorpark, CA 93021 USA

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## Instructor Notes



## System Requirements

Before installing GibbsCAM, ensure your system meets the following minimum requirements.

CPU	<ul style="list-style-type: none"> <li>Intel Core 2 or newer. This includes the Core i3 / i5 / i7 / i9, Xeon, Pentium dual-core, and Celeron (1.7GHz or faster).</li> <li>AMD Athlon 64 or newer. This includes Ryzen, FX, Opteron, Epyc, Phenom, Turion, and Sempron.</li> </ul> <p>Please note that all 64-bit CPUs meet our minimum requirements.</p>
OS	<p>Windows® 7, Windows 8.1, Windows 10, or Windows Vista (SP1 or SP2); or Windows Server (2008 • 2008 R2 • 2012).</p> <p>In addition to the latest video drivers, please ensure that you have the latest patches through Windows Update. We recommend using the latest available service pack from Microsoft.</p>
RAM	At least 2 GB of total RAM
Disk	<p>Installing the software requires 3 GB of free hard drive space.</p> <p>To install all sample part files requires an additional 300 MB. To install all of the documentation PDF files would require a further 125 MB.</p> <p>Additionally, we recommend 512+ MB of hard drive space for virtual memory.</p>
Video	A quality 3D accelerated video card with 512 MB or more of video memory, with up-to-date vendor-specific drivers installed.
Other	<ul style="list-style-type: none"> <li>A flash drive is required to read the GibbsCAM product media. However, you can also download installers and other files from the GibbsCAM website.</li> <li>An Internet connection is needed to download files from GibbsCAM.com. Subsequently, files can be made available via network, on a flash drive, etc.</li> <li>Administrator privileges are required to install the GibbsCAM software.</li> </ul>

For best performance, we recommend a system running Windows 10 with 16 GB of RAM on a high-end Intel processor (Core i9, i7, or i5) or AMD processor (Ryzen, FX, Opteron, or Epyc), with an NVIDIA video card with 1+ GB of video memory.

## Installation Procedures

- [To Install a Student Seat of Educational GibbsCAM](#)
- [To Install the Part Files for Educational GibbsCAM](#)
- [To Install a Set of Machine Sim Files for Educational GibbsCAM](#)
- [To Run GibbsCAM 13 Educational Edition](#)
- [To Uninstall](#)



## To Install a Student Seat of Educational GibbsCAM

1. Run **GibbsCAM\_x64\_v13.0.m.n\_Student.exe** and wait a few moments for the files to extract. If prompted by User Account Control to use administrator privileges, click Yes.
2. Read the information about GibbsCAM 13 Student Edition. Click Next to continue.
3. Follow the wizard's instructions for installing GibbsCAM 13.0.m.n:
  - a. Accept the terms of the license agreement and then click Next.
  - b. Accept or change the destination folder for the installation and then click Next.
  - c. Click Install. Wait for the files to be copied and configured, and then click Finish.

## To Install the Part Files for Educational GibbsCAM

1. Run the self-extracting executable file (typically named **V13\_Sample\_Parts\*.exe**).
2. Read the Disclaimer.
3. Accept or change the installation directory and then click Install.

*Result:* In the specified location (such as **...\\3D Systems\\**), a new folder is created, named **PartFiles\\**. The "Part Files" folder contains option-specific subfolders that contain part files (**\*.evnc** files) referenced by the documentation for that option.

## To Install a Set of Machine Sim Files for Educational GibbsCAM

1. Run the executable appropriate for your machine (examples: "**Haas Vert 5th - r3.exe**", "**Mori NT4250 - r4.exe**", and so forth).
2. Read the Disclaimer.
3. Accept or specify the installation directory and then click Install.
4. Repeat as needed for other machines.

*Result:* In the specified location (such as **...\\3D Systems\\Machine Sim Samples\\**), a new machine-specific folder is created. This contains **\*.asy**, **\*.fb**, **\*.dat**, and **\*.ini** files for the machine, as well as subfolders containing MDDs, VMMS, part files (**\*.evnc** files), and scripts used by the GibbsCAM Machine Simulation option.

## To Run GibbsCAM 13 Educational Edition

To start GibbsCAM 13 Student Edition, do one of the following:

- Double-click the desktop icon "**GibbsCAM 13 Student Edition 64-bit, v13.0.m.n**".
- From the **Start** button: Programs > GibbsCAM, run "**GibbsCAM 13 Student Edition**".
- Open an **\*.evnc** file (or drag an **\*.evnc** file to a running instance of GibbsCAM).

The first time you start GibbsCAM, the system prompts you to activate security. Click the link Run Registration Tool to enter your product code and customer information.

## To Uninstall

1. Start Control Panel > **Programs and Features**.
2. Right-click **GibbsCAM 13 <Classroom|Student> Edition v13.0.m.n** and click Uninstall.
3. In response to the prompt, click Yes to completely remove the application and its features.



## Features in the Base GibbsCAM Bundle

The base GibbsCAM bundle comprises the following options and features:

- Mill/Turn (including Mill, Lathe, and Polar & Cylindrical Milling)
- Advanced CS
- Solids (including Solids Import, 2.5D Solids, and SolidSurfacer)
- Machine Simulation
- VoluMill Wireframe, VoluMill Solids, and VoluTurn
- Plug-ins (except plug-ins for posting, MTM, Radial Milling, 5-Axis, and Wire EDM)
- Exchange and Solids Import allow you to import from: ACIS / SAT, Autodesk Inventor, DXF, IGES, point list, STL, Parasolid, and Solid Edge

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## Student Notes