System Requirements

For version 13
Updated 8 April 2020

   The system supports all monitors capable of running at a resolution of 1280x720 or higher. The GibbsCAM window is dynamically resizable from approximately 640x525 to the highest resolution your monitor will support. Please be aware that with monitors running higher monitor resolutions you will need more RAM to support solids and Cut Part Rendering as well as a better video card. Recommended and actual requirements do not have a definite value. Your requirements will vary depending on the complexity of the part you are working with. If you use only the basic Mill or Lathe modules the minimum requirements shown below are quite adequate. We recommend Keeping Windows fully up to date with all service packs and updates as they are released.

   Laptops - If you are considering the purchase of a laptop for use with GibbsCAM please note that most modern laptops come with dual video cards which can cause stability problems. Often times laptops determine on their own what it will use for graphics processing. The Intel HD graphics which comes onboard does not work well with GibbsCAM. We require the use of a dedicated video card (either Nvidia or AMD). Some systems will require you to disabled the Intel card in the system BIOS while other systems offer no ability to disable it at all. You will want to make sure you have the ability to force the laptop to utilize the video card.

Important Note: GibbsCAM 14 will only support the Windows 10 operating system.

Core Requirements

If you are running very complex parts or toolpath you may require higher specifications

Minimum Requirements

- 64-bit Windows 7 (SP 1) / 8.1 / 10 or 64-bit Windows Server 2008 R2 / 2012 / 2016 / 2019.
- Intel Core 2 or newer. This includes Core i3 / i5 / i7 / i9, Xeon, Pentium dual-core, and Celeron (1.7 GHz or faster)
- AMD desktop Family 17h. This includes Ryzen and Threadripper.
- 4+ GB of total RAM
- A quality Nvidia or AMD (ATI) 3D accelerated video card with 1+ GB of video memory

Recommended System Configuration

- Windows 10 (with all available Windows updates)
- Intel: Core i9, i7, or i5 with four or more cores.
- AMD desktop Family 17h. This includes Ryzen and Threadripper.
- 16GB RAM
- A quality Nvidia video card with 2+ GB of video memory

Optimal System Configuration (for complex 3D parts)

- Windows 10 (with all available Windows updates)
- Intel: Core i9, i7, or i5 with four or more cores.
- AMD: Ryzen or Threadripper.
- 16GB RAM (more is recommended for very complex parts)
- A quality Nvidia video card with with 2+ GB of video memory