# System Requirements

Connection to internet and e-mail is recommended for installation, support and updates.

## Operating Systems

All CGTech software has been extensively tested on Windows 10 64-bit OS and Windows 11. VERICUT 7.3 was the last release to run on Windows 7 32-bit.

## Processor

When considering system requirements, you need to consider all the tasks it will be performing.

1. What is the physical size of the part to be simulated?
2. What other software applications will be running concurrently with VERICUT?
3. What requirements will the other applications have (both memory and graphics)?

Note: VERICUT performance is primarily affected by the simulation tolerances used and the speed of the CPU's. The faster the CPU speed, the faster your programs will run. The length of part programs being simulated does not affect VERICUT speed. In addition, cut stock refine speed and general display performance is highly correlated to the number of cores.

Click here to view AMD Product Specifications.

Visit the Intel site to review the current CPU's available and learn more about the latest CPU technology.

## Storage

VERICUT takes up to 8GB of disk space for a full installation (full installation includes a library files, samples, training sessions, help files, and model interfaces). A large capacity hard drive is recommended for Data storage especially if storing IP and reviewer files.

## Memory

The amount of physical memory in your computer will affect the number of applications you can run at the same time without having physical memory limitations affect performance. When running VERICUT, the physical size of your part, tolerance, program size and features used also impact the amount of memory required for the simulation. For most VERICUT simulations, 16 GB of physical memory is sufficient, along with a few other applications running concurrently. When the part sizes are substantially larger (400" x 100" x 100" or more), or tolerance requirements are very high, you may need to increase memory to 32 GB.

## Video

Make sure you are using up-to-date drivers from your card manufacturer. We often see issues that are resolved with updated video drivers and the driver version can have a great impact on how the card performs. The latest drivers for NVIDIA and AMD can be found online.

VERICUT has been certified on the following AMD GPUs.

| | |
|---|---|
| Radeon Pro WX 3100 | 4 GB |
| Radeon Pro WX 3200 | 4 GB |
| Radeon Pro WX 4100 | 4 GB |
| Radeon Pro WX 5100 | 8 GB |
| Radeon Pro WX 7100 | 8 GB |
| Radeon Pro WX 8200 | 8 GB |
| Radeon Pro WX 9100 | 16 GB |
| Radeon Pro W6400 | 4 GB |
| Radeon Pro W6600 | 8 GB |
| Radeon Pro W6800 | 32 GB |

**Radeon PRO W7500**
**Radeon PRO W7600**
**Radeon PRO W7800**
**Radeon PRO W7900**

**AMD CPUs**
Ryzen PRO 6000-series
Ryzen PRO 7000-series
Ryzen PRO 8000-series

## Monitor

The majority of our users utilize dual monitors for increased productivity.

The minimum recommended resolution for the primary display is 1920 x 1080. VERICUT can be used with lower resolution screens but beware that some larger dialogs may be not fit entirely in the viewing area.

## Pointing Device

VERICUT allows users the option to set dynamic controls to match the CAD/CAM system.

| | Minimum | Recommended |
|---|---|---|
| OS | Windows 10 64-bit Professional | Windows 10 64-bit Professional |
| Processor | AMD Ryzen Threadripper, Intel i7 or Xeon | AMD Ryzen Threadripper |
| Memory | 16 GB | 32 GB or higher |
| Video | AMD Radeon RX with 2 GB GPU RAM NVIDIA GeForce with 2 GB GPU RAM | AMD Radeon Pro WX with 4 GB GPU RAM or higher |
| Monitor | 1920 x 1080 (or higher) resolution | 1920 x 1080 (or higher) resolution, dual monitor |
| Storage | Solid State Drive (SSD) with at least 50 GB free | NVMe Drive |
| Pointing Device | Three buttons with mouse-wheel | Three buttons with mouse-wheel 3Dconnexion Space Mouse |