





3. INSTALLING THE TEBIS SOFTWARE

3.1. PREPARATION

-  You must have administrator rights for installation.
-  Before starting installation, please close all running programs.
-  Verify whether your computer complies with the Tebis system requirements.
-  Ensure that the drivers for your graphics card, animation device, etc. are current and update the drivers, if necessary.

3.1.1. SYSTEM REQUIREMENTS

The Tebis software can be installed on all personal computers with a Windows operating system and complying with the following requirements.

Supported operating systems

- Windows 7 (32-bit, 64-bit)
- Windows 8 (32-bit, 64-bit)
- Windows 8.1 (32-bit, 64-bit)

CPU

- CPU with x86-64 or x64 architecture^{1 2}

RAM

- 4 GB minimum

Graphics

The Tebis software requires professional graphics cards supporting OpenGL 2.1 or higher. Should you experience any graphics problems, please ensure that you have installed the latest graphics card driver.

1. Recommended clock pulse of the individual processor kernels 3.0 GHz or higher.

2. Every Tebis process supports only one processor kernel. When using offscreen calculation, the Tebis software uses up to 7 kernels (according to the number of licenses).



Compatibility with older graphic cards

If you experience display problems, you can deactivate the graphics enhancements. (→ „Graphics errors or performance problems“, page 83)

The mobile versions of the graphics cards used in mobile workstations differ from the workstation types. The manufacturers of notebooks provide special drivers for their products via their websites.

To use the graphics driver, you need additional programs or service packs for the operating system. Please visit the website of your graphics card manufacturer for more information.

Please note that the Tebis software requires a minimum screen resolution of 1280 x 1024 pixels.



Examples of supported graphics cards

AMD/ATI:

- FirePro Series – W5000, W7000, W8000, W9000
- FirePro Series – V4900, V5900, V7900
- FirePro Series – V4800, V5800, V7800, V8700, V8750, V8800
- FireGL Series – V8650

nVidia/PNY:

- Quadro (Kepler) – K600, K2000, K4000, K5000, K6000
- Quadro (Fermi) – 2000, 4000, 5000, 6000
- Quadro FX – FX4800, FX5800
- Quadro FX – FX4600, FX5600

Other

- 500 MB free hard drive space for the installation
- At least one free USB port
- 2-button mouse with scroll wheel or other pointer device
- 3-D animation device (optional)
- COM Ports; is required for the connection of older serial machines (optional)
- Internet access for downloading software and license updates

Example configuration of Tebis V3.5R7 64-bit

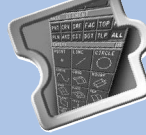
The following shows a 64-bit example configuration that can cover many applications. If you have specific requirements please contact your customer service representative or the service hotline.

Operating system

- WIN7-64

CPU

- Intel Core i7 (8 kernels) minimum 3GHz clock frequency

**RAM**

- minimum 16 GB

Video

- nVidia Quadro K2000 or K4000

HDD

- 1TB, 64 MB cache and 7.200 R/min

Example configuration of Tebis V3.5R7 32-bit

The following shows a 32-bit example configuration. If you have specific requirements please contact your customer service representative or the service hotline.

Operating system

- WIN7-64

CPU

- Intel Core i7 (4 kernels) minimum 3GHz clock frequency

RAM

- minimum 8 GB

Video

- nVidia Quadro K2000 or K4000

HDD

1TB, 64 MB Cache and 7.200 R/min

3.1.2. HARDLOCK DRIVER INSTALLATION**THE VARIOUS HARDLOCK TYPES**

The hardlock drivers enable the communication between the hardlock and the operating system; hence the corresponding driver must be installed for each hardlock.