

## **Welcome to WinTune 98**

WinTune 98 is a low-level benchmark test suite that tests the performance of the major systems of a PC running Windows 95, Windows 98, or Windows NT.

To run a standard test suite, simply click on the Go button, and watch the show. The tests will take several minutes. The status window at the lower left will tell you what is being tested. When the tests are complete, a report will appear in the large text box at the right.

You can copy the report or any part of it to the clipboard for use in word-processing documents or e-mail. WinTune 98 also saves its results in a file, c:\wt98.dat.

If you want to know more about the function of individual controls in this application, click on the '?' icon at the upper right, and then click on the control of interest.

To find out more about what each test in WinTune 98 is doing and how you can use that information to tune up your computer, come to the WinTune 98 web site, <http://www.winmag.com/wintune98>.

Check this box ☐ to enable all tests, or uncheck it to disable all tests. You can override settings made by this box by checking or unchecking the individual test boxes. When you've selected the tests you want to run and the number of times you want to run them, click on Go.

Check this button to enable system information to be determined when the Go button is pressed. You'll want this button to be checked in almost all cases.

Check this box to allow the CPU test to be run when the Go button is pressed. Uncheck it to skip the CPU test. You will normally run the CPU test, but you might want to skip it if you're doing detailed tests on another component.

Check this box to enable the standard 2-D video tests. You will normally run the video test, but you might want to skip it if you're doing detailed tests on another component.

Check this box to enable the OpenGL 3-D video test. You will normally run the OpenGL test, but you might want to skip it if you're doing detailed tests on another component, or if you know you have a video driver that can't handle OpenGL properly. If WInTune 98 detects that OpenGL is not installed, this box will be disabled.

Check this box to enable the Direct3D 3-D video test. You will normally run the Direct3D test, but you might want to skip it if you're doing detailed tests on another component, or if you know you have a video driver that can't handle Direct3D properly. If WInTune 98 detects that Direct3D is not installed, this box will be disabled.

In some video modes on some cards, Direct3D tests will not run because of a lack of video memory. If you encounter this problem, either skip the Direct3D test in future runs or drop your video resolution and color depth.

Check this box to allow the memory test to be run when the Go button is pressed. Uncheck it to skip the memory test. You will normally run the memory test, but you might want to skip it if you're doing detailed tests on another component.



Check this box to allow the disk test to be run when the Go button is pressed. Uncheck it to skip the disk test. You will normally run the disk test, but you might want to skip it if you're doing detailed tests on another component.

Click this button to start the selected tests. Do not try to interrupt the tests, type on the keyboard, or move the mouse while the tests are running.

Use the up-down control to enter the number of times you'd like to repeat all the checked tests in this field. WinTune 98 will automatically calculate averages and standard deviations of all measured values when you allow it to repeat the tests. WINDOWS Magazine repeats all tests three times when we benchmark systems for review.

The test results will appear here after all tests are run. You can scroll through them using the scroll bar or the Page Down and Page Up keys. You can copy information from the report using the pop-up right-mouse-button menu, or by using the standard Windows editing keystrokes. You can then paste the information into text files, e-mail, or word-processing files.

Use this up-down control to control the number of times you'd like to repeat all the checked tests, displayed in the text field to the left. WinTune 98 will automatically calculate averages and standard deviations of all measured values when you allow it to repeat the tests. WINDOWS Magazine repeats all tests three times when we benchmark systems for review.

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