

# Software Toolstar Test OS



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**Description:**

toolstar\*testOS is diagnosis software which was done by ToolHouse for engineers, Supporter, network administrators - simply for everybody which is responsible for flawless functioning of PCs. Purpose of us was to develop a product with which it is enabled to search all components of a PC most exactly on mistake to have to raise for it under the default, as little as possible time. The result: toolstar\*testOS, the first own development of ToolHouse. In toolstar\*testOS the experience which we have attained in many years' collaboration with PC manufacturers, system houses and service companies optimally in the reality was moved. They receive diagnosis software of the top class which is continuously developed and is adapted the customer wishes. The program as well as the manual are available on in German or in English.

**UNIVERSAL APPLICATION!**

Because toolstar\*testOS disposes of own operating system, it plays no role whether or which operating system is installed in the PC - tool star boots up the PC independently and tests the hardware independent of operating system.

**Of endurance test!**

Many mistakes appear only as sporadic, PCs fall in irregular distances - the result: searches of several hours and exchange of the components. With tool star you can check the single components with especially for it to programmed stress tests. They fix which components how long or how often should be tested. Up to 999 times or up to 999 hours. Different test patterns are preset, all tests are also eligible freely.

**Result report!**

Tool star prints after occurred tests if requested a test report. Or files the infos in a file. Test reports create trust with the customer and help you to save time. As can be proved less returns and complaints. toolstar\*testOS offers three different patterns.

**Freely configureable!**

Select tests and store away. Thus you have at hand for every case the suitable test pattern immediately.

**In the following a choice possible test:****Processor test**

CPU core (registers, stack manipulation, addressing modes, Flags, upright arithmetic, BCD operations, bit operations, sequence control, string operations, Prozessor-I/O, Exceptions) FPU (Load and memories, imperative, rounds and abscission, Exceptions), MMX unity, 3DNow! and SSE unity (of data transfer, packed arithmetic, packed comparisons, data conversion, logical operations, shifting-operations)

**Mainboard Board**

board and BIOS information (manufacturer, BIOS date, chip sentence) PCI Device list, detail and test (Coach-scan directly, BIOS: Devicesuche, 16-bit funktionen, 32-bit functions), Plug and Play, Interrupts, DMA and CMOS-RAM/real-time clock tests (Read, writings, battery status, test sum, diagnosis status, clock tick, alarm)

**Hardware Monitoring**

system temperature, fan speed, tensions (provided that from the Board supports)

**Memory**

quick test, detailed test, CPU Cache test (accidental pattern, checkered pattern, Windows mode, complementary bits, on the left and legal-running bits, big complements, distributed accesses, announcement of the possible storage areas, SPD-Eeprom reader)

**Interfaces**

USB Host controller, specifications, manufacturers, name and status. Overview USB Device and details, controllers test. Serial and parallel ports, suitable test plugs are optional. (Internal loop forecastle test, Handshake test, Sending and Receipt test, Controller's test, Status port test) test plug

USB (optionally)  
test plug USB

- \* testing you of the correct data transfer
- \* with all inserted USB heave and cables
- \* additional bidirectional tests
- \* announcements in the program and/or about diodes
- \* testing you the care tension directly in the port
- \* direct announcement whether USB 1.1 or USB 2.0
- \* examination sent / to received parcels
- \* Arbitrarily long transfer load in the endurance test
- \* incl. cable

Optimum USB interface tests with the ToolHouse test plug USB! The correct data transfer is checked under inclusion all inserted USB heave (distributor) and cable. Announcements in the program / test report and about diodes on the test plug. Electricity supply, sent and received data are indicated directly about LEDs.

### **Graphic tests**

(test picture, grid picture, basic colours, grey steps, colour steps, Videostoring, VGA-Splitscreen)

### **disk drives**

Tests for floppy disk drive (reading test, writing test (devastating), mechanics test, sectors do not indicate), tests for hard disk (reading test, writing test (devastating), mechanics test, sectors do not register, controller's test), CD-ROM, DVD, ZIP, LS120, USB drive

Input devices tests for keyboard and mouse

### **Other highlights:**

- \* electronic manual (on-line help) you have any time the possibility to call away information about the service or about the carried out tests about a comfortable on-line help.
- \* of free Support by the manufacturer with questions you immediately receive information. Quick and competently.
- \* regular updates the software is continuously developed. They work therefore always on the topical state of the technology. For manufacturers: toolstar
- \* testOS is also available as an engineer's licence for the production. In addition, we offer the possibility of OEM versions to minimise servicing expenditure and guarantee cases. Speak in addition with our adviser's team.
- \* (some tests possibly do not recognise any equipment. Software and manual on in German or in English.)

The judgment of the magazine c \"t \" the tool star-Kit is an extensive collection which can be also used with dead PCs. The contained tools cover the possible areas of application optimally and complement himself. \"

Technical information:

- \* SPD-EEPROM: among other things DDR3, RDRAM, FBDIMM extends!
- \* BIOS recognition: Apple complements
- \* 3DNow test: Adaptations for AMD-Geode!
- \* USB: Recognition, initialization and boat ability improves!

- \* CPU stress tests for up to 32 CPUs/cores at the same time, with temperature status!
- \* disk drives: Least speed (MB/SEE) fixable. Unterschreitung => mistake!
- \* CPU-quick tests: Enlarged, improves and updates!
- \* CPU core: Temperature-supervision status and announcement!
- \* system overview: Optionally: HD audio, Multimedia-Devices, Bluetooth devices, memory modules, differentiation: P-ATA / S-ATA1 / S-ATA2
- \* endurance test protocol: Handing over of standard No., PC name, company, ... as a file name possibly!
- \* CD boot optimises! Also optionally about boot menu (Strg key with \ " Toolstar\*OS is loaded)
- \* IDE: Recognition of HD DVD-RW,-R /-RW DoubleLayer as well as newer ATA8 extends
- \* memory tests: Adaptations for new chip sentences!B From 4GB-RAM optimises and faster!
- \* endurance test: Query and examination of the least number Ports and Disk drives possibly!
- \* 7 new tests for graphic arts memory on up to 3 graphic arts maps (BIOS initialization)!
- \* automatic HW-Monitoring (tension, Temperatur, fan) after every test possibly \* of endurance test: Additional permanent protocol
- \* and a lot more ...

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