

PC CLINIC BURN-IN FEATURES

- Basic Configuration Report
- Rugged System Diagnostic Tests
- Exacting System Benchmark Tests
- Basic Utilities
- Robust Context-Sensitive Help
- Lifetime Free Technical Support
- Performance Guarantee
- Easy to Use Menu System
- Self-Boot & DOS
- Saves Time & Money

The Ideal Factory PC Burn-In Stress Test Program - PC Clinic Burn-In is a suite of PC test and reporting functions in one self-booting software package intended for PC builders and assembly technicians. Based on a suite of proprietary, high level tests and utilities developed originally for Intel, PC Clinic contains technology that has withstood picky field-testing since 1981. It has been massively enhanced over the years to stay abreast of advancing technology. It contains PC Magazine Editor's Choice Award-Winning InfoSpotter Discovery Engine technology. PC Clinic has helped thousands upon thousands of discriminating PC technicians save time and money troubleshooting system problems and stress-testing systems before delivering them to customers. Check out these professional features:

- Complete Computer Diagnostics (single-test and batch mode) for PC Manufacturers and assembly technicians - Excellent for factory stress-testing before shipping computers to customer
- Provides Basic System Configuration information identifies installed hardware. Excellent for Repair and Warranty Records. Fabulous for proving what is inside the system without having to remove the cover
- Test all major standard IBM-compatible PC/AT components: CPU (including multiple CPUs), Motherboard, Memory, Disk Drives, CD ROM Drives, Sound, Video, Serial/Parallel/USB Ports, Keyboard, Mouse, Joystick. Tests are grouped by device. You may run them in multiple passes or for specific time periods and log summary or full results to printer or file. Excellent for field engineers, bench technicians, and factory burn-in testing. Proven diagnostics give you confidence your system is functioning properly.
- Basic Benchmark Tests of CPU, Math, Video, Hard Drive, and CD ROM, runs in continuous loops to show you how the system is performing, and allow you to detect performance bottlenecks in the system.
- Utilities let you verify hard drive formatting and basic integrity, and exercise remote or local serial devices.
- Comprehensive Context-Sensitive Help, Coaches, Repair Tips, and manual built-in to help you find what you need to know when you need it by pressing one or two keys. Keeps you oriented, effective without searching for a manual.

- Provides solid reliability to reduce warranty costs by burning in (stress-testing) systems so they fail in the factory, not at the customer location.
- Free lifetime support included.

Runs on All Standard PC-type Systems - PC Clinic runs in 640K on IBM-standard PC, XT, AT, PS/2, EISA, PCI, VLB, 386, 486, Pentium, Pentium Pro, Pentium II, Pentium III, Pentium IV, AMD K5/K6/K7/Athlon, Cyrix 5x86/6x86/MediaGX, WinChip, and clones under DOS 3.0+, including Windows 3.1, 95, 98, and ME. Self-boots and runs on systems that have UNIX, LINUX, OS/2, Windows NT/2000/XP loaded (but does not run under those operating systems)

Easy To Use and Instructional - PC Clinic operates intuitively from user-friendly menus, context-sensitive help, and mouse or keyboard control. PC Clinic Burn-In provides the following major operations:

- User Interface
 - Menu-driven - hot keys, cursor keys, or mouse clicks select items, ESC key goes to previous item
 - User-configurable screen colors
 - Context-sensitive help system
 - Setup program allows user to make backup copies
 - Scans its own files for viruses to give user peace of mind
- Configuration
 - Supports ISA, EISA, MCA, PCMCIA, PCI, AGP buses
 - Shows basic hardware configuration screen of installed devices
 - Displays physical and logical FAT-formatted drive information
 - Displays hard drive manufacturer, model, serial #
 - Saves and restores entire CMOS RAM contents
 - Saves and restores Master Boot Record (MBR)
 - Saves and restores Logical Drive Boot Records (LBR)
 - Displays Hard Drive contents by Head, Cylinder, Sector, or LBA Sector
 - Edits common CMOS RAM area
 - Detects Pentium Floating Divide and other design flaws
- Diagnostics
 - Contains dozens of menu items that run thousands of tests
 - Tests all IBM-PC/AT standard components
 - Tests are organized in groups:
 - System (motherboard and single/multiple CPUs)
 - Memory (main, cache, video)
 - Video (display adapter and monitor)
 - Fixed Disk (including non-destructive write tests)

- Floppy Disk
- Compact Disk (CD)
- Serial Controllers (including Modem)
- Parallel Controllers (including Printers)
- Keyboard
- Mouse
- Joystick
- Sound Card and Speaker (Sound Blaster Compatible)
- Year 2000 and Real Time Clock Synchronicity
- USB (Universal Serial Bus) Port Circuitry
- Allows user to select which tests to run within a group
- Runs selected tests individually within group or in burn-in batch mode
- Once set up and initiated, tests run unattended, and can even return to DOS when finished.
- Allows user to save batch test settings in file and specify which batch file to use from command line.
- All tests run in sequence for number of passes, amount of time per test, or amount of time for entire batch or group of tests.
- Allows many user-configurable Test Settings items such as
 - Which devices to test
 - Range of memory to test
 - Serial Port Baud Rates to use
 - Where to log results and what to put in log
 - Whether to exit from the program after finishing tests
 - Amount of time (up to 99:99:99 hours) or number of passes to run tests
 - Plus much more.
- If tests fail, floppy drive light blinks rapidly, and large, red FAIL message is displayed on monitor, allowing factory technicians to be alerted to failures from across the room.
- **Benchmarks**
 - Shows performance or raw speed.
 - Tests CPU, math, video, hard drive, CD ROM drive
 - Runs through all tests in continuous passes
- **Results Log**
 - Logs results to disk or printer
 - Allows user to print or save to file the contents of any screen.
 - Logs detailed test results or just a test summary to printer or file
- **Utilities**
 - Edits configuration files (CONFIG.SYS, AUTOEXEC.BAT, etc.)
 - Terminal test exercises attached modems and other serial devices
 - Checks file system integrity (FAT structures only)

- Scans hard drive for allocation errors
- Context-sensitive Help System
 - Press F1 at any time to get help that tells what the currently selected item does
 - Alt-F1 at any time to get a coach that tells how to use the currently selected item
 - Ctrl-F1 on any test item to display a tip that explains how to repair an associated failure.
 - F1 when one of the above is displayed causes the index or help, coaches, or tips to be displayed.
 - User may search forward and backward for any text in the help system.
 - Includes over 500 printed pages of information.
 - User may print displayed help information.
 - Complete manual built in.

Batch Mode Testing - PC Clinic Burn-in allows you to test the computer by test groups Test groups include Motherboard, Memory, Video, Fixed Disk, CD, Floppy Disk, Video, Serial, Parallel, USB, Year 2000, Mouse, Joystick, and Keyboard.

You may run any group or individually selected tests in a group in single or multiple passes for either an amount of time per test, amount of time for the group, or number of passes for each test. Test time can be up to 100 hours (four days plus four hours).

You may also select Batch Mode testing and save the test parameters in a batch mode file Batch mode testing is also called "burn-in" testing because it runs continuously for a long time and heats up the circuitry. Batch mode tests can simulate a month of normal operation in just a few hours of intensive exercising.

When creating a batch mode file, you can select any test in any group, select which devices are tested (e.g., which hard drives if you have multiple drives), select the amount of time or passes for the tests, elect to exit the program and return to the operating system when testing is done (so as to run other functions in AUTOEXEC.BAT, for example), and elect the destination of the test log (full log or just summary, to go to printer or file).

An important feature for systems builders who burn in a lot of systems at once is the dynamic test result display. The software can be set to halt on a failure or run continuously. If a failure does not lock up the system, then the monitor, if attached, will display a large, red FAIL message, and the floppy drive LED will

flash rapidly. This will alert a technician across the room that a failure has occurred.

Batch Mode testing is a very powerful way to burn-in test a system after repair or before shipping a new system to a customer, for it provokes any imminent "infant mortality" failures while in the shop, rather than in the customer's home or office, and it thereby reduces warranty costs for both the customer and PC technician or builder.

Full Logging of Configuration and Test Results - PC Clinic provides thorough log features to record your test results and configuration information. Log to the printer directly, to a disk file of choice, or just to internal memory. Elect to log only the testing summary showing number of passes and number of failures for each test, or each iteration of each test in a batch mode burn-in test sequence, plus the summary. Because you can log configuration information, you have a handy record to use to verify the customer's system if it is returned for service. See a sample annotated batch mode burn-in **Test Log**.

Why you should buy PC Clinic Burn-In - We have many gratified and prestigious customers who rely on PC Clinic day in and day out to help them test and troubleshoot computer problems. Because the Burn-In version is available under special volume licensing, manufacturers find it to be profoundly cost-effective way to prepare systems for delivery to customers.