



原形研發股份有限公司

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## Macpower is raising its standards to insure total quality assurance and service levels to its OEM/ODM dealers

Macpower is excelling in commitment to quality assurance and has introduced another significant step in the manufacturing and assembly of its products. One of the biggest costs in today's manufacturing of products is human error especially on the assembly lines. These errors can produce substantial costs not only to the manufacturer but also to its customers. The second largest cost is failure of integrated circuit and interfaces. Macpower is determined to reduce these costs and enhance its standards for reliability. These new standards mean less time to market and drastically reduced failure rates saving both time and money.

Macpower is one of the few companies able to increase its quality commitment due to ownership of research and development, along with manufacturing and assembly. This ownership allows them to code specific testing parameters for each component of the product.

One of the new standards for testing hard drive enclosures is through an innovative software interface called "Oxford Checker". After assembly, this software probes each enclosure sending specific parameters to IC components and interfaces insuring proper assembly and checking for component failures. The software even includes a read/write I/O and data comparison to the hard disk during testing. The software then writes a file, recording each units test with the results and date tested. This new standard implemented will ensure the product you receive is of the highest quality available on today's market and will help reduce over all cost. This means Macpower products add value to your sales and bottom line dollars, along with your company's image of selling quality and reliable products to your customers.

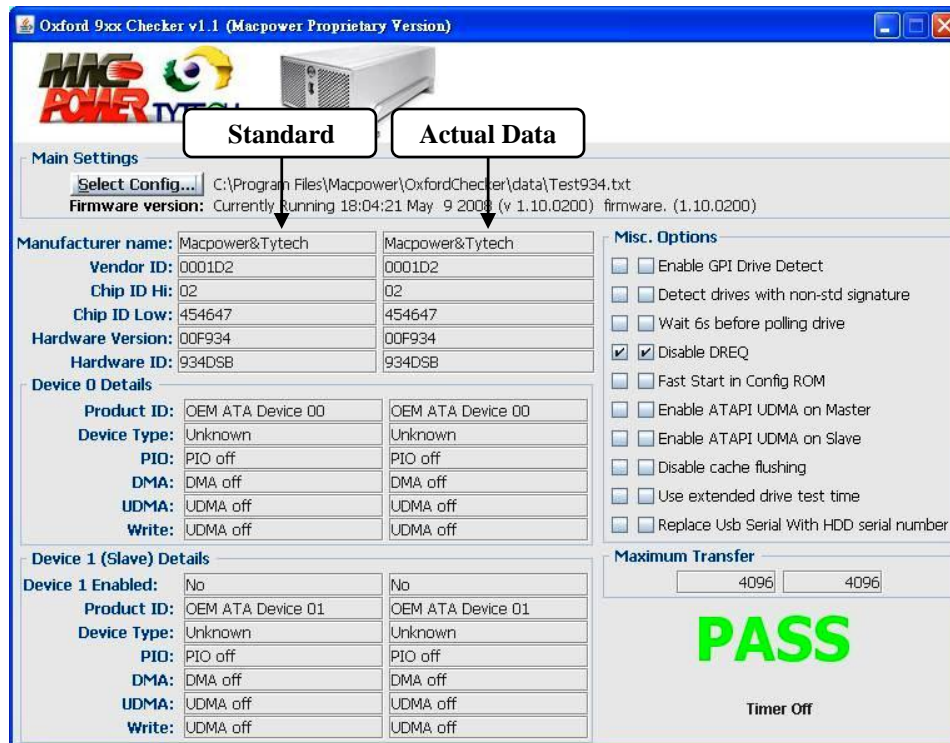
*OEM/ODM customers may contact us directly for more detailed information about Macpower's "Oxford Checker" application.*

### General Overview

Macpower added another step to its manufacturing process to assure total quality control during assembly. A new graphical software interface called "Oxford Checker" developed by Macpower to test its final assemblies of hard drive enclosures. The software detects all interface failures and functions of the intergraded circuits while simultaneously quarrying a read/write I/O to the hard disk. Adding these stringent procedures, eliminates any possibility of human errors or component failures during assembly and ensures that the system is ready to operate reducing time to market and adding product value.



## Software Graphical Interface



### Component Test:

- Components and circuitry
- Hard disk (Read/Write I/O with data comparison)
- Hardware I/O FireWire 1394a/1394b, USB, and eSATA interfaces

### Key Features:

- Simple graphical user interface with pass or fail status
- Increased test coverage through parameter measurement technology
- The automatic features slashes debugging time
- Extensive circuit analysis and reporting
- Hard disk I/O detection with reporting
- Product Life Management (Reports testing results)
- Developed by Macpower Software Department

*Extensive testing from the interfaces to the hard disk enables Macpower to provide premium quality assurance to all Macpower products.*

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