

ControlTek Universal Test Equipment: Save Time and Money with Fast, Effective Testing

WHAT IS IT?

C.U.T.E. (ControlTek Universal Test Equipment) is a new P.C. based, proprietary universal test system that moves beyond inspection to provide fast, reliable, economical testing for an extremely high level of verification of your part's functionality.

The Benefits of Testing with C.U.T.E.

Speed and compact size, for starters.

The new C.U.T.E. system also includes an exhaustive list of test capabilities. This same level of comprehensive test coverage used to require an entire bench of testing equipment.

The compact size and impressive speed of the C.U.T.E. system makes it possible to deploy testing much faster and cheaper than traditional testing methods. In place of the testing bench, the C.U.T.E.'s PC-based system now requires a single testing head which can be plugged into C.U.T.E. to interact with the product being tested. Test engineers utilize ControlTek's in-house 3D printing capabilities to create test fixtures with integrated features to support test.

Using simple automation, C.U.T.E. eliminates much of the time needed for set-up and changeovers during testing. ControlTek's dedicated test engineers can now complete a round of testing in seconds rather than minutes, saving up to 80% of the time normally required for testing and handling.

Less time means less money.

When it comes to testing, the old adage that 'time is money' has never been more true. Each minute that C.U.T.E. saves during testing translates to real financial savings. For board level testing, C.U.T.E. is less expensive and also offers additional debug capabilities, so you'll have more options to choose from for your testing and more savings from having known good products delivered to your customers.

The Right Test Strategy For Your Products

Ideally, your test strategy will be determined early in your product's development, during circuit design and schematic development as part of the Design for Test (DFT) process. At this point, it is determined (a) what level of test coverage is needed and (b) what access will be required for test points to ensure products are manufactured correctly. ControlTek's test engineers will then work to determine functionality blocks that can be tested individually. These blocks are entered into the Test Coverage Report to create a custom testing plan. During testing, each of these blocks are exercised to verify functionality.

Additional Testing Options

While ControlTek most often provides testing in-house, we have also provided the proprietary testing system to ControlTek customers who wish to test components coming from their own supplier partners, providing them with the ability to troubleshoot issues before products leave the building as well as testing and analyzing field returns.

How to Get Started

Contact ControlTek today to get started.

The demand for quality finished products has never been greater. Ensuring your parts function as designed is a must in today's competitive market. By thinking and preparing for testing early in your product's development, you can greatly reduce your risk of product defects and say 'so long' to that bonepile of received product from your contract manufacturer that doesn't work!

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