



# HOW A MAJOR MANUFACTURER ACHIEVED LIGHTNING-FAST **LOOP** **TESTING** WITH MK TEST SYSTEMS

Test process issues have been grounded by a major aerospace engine manufacturer since implementing the BLRT from MK Test Systems.

## THE PROBLEM

It was recognised by the customer that the testing procedures and tooling needed an upgrade. An essential yet laborious process was being hampered by inadequate and cumbersome equipment, adding to the build time and affecting operating costs.

The engineers were carrying out the testing in different ways; the inconformity of this was impacting upon the test results.

In addition to this, data capture was manual (pen and paper), a potential source of test data errors. The manual method also meant that full traceability was not being achieved.

Read more about the **SOLUTION** over the page...



**CUSTOMER:** A major aerospace engine manufacturer

**REGION:** EMEA

**SOLUTION:** MK Test Systems' BLRT resistance tester

**APPLICATION:** Aerospace, Engine, OEM

**OUTCOME:** An automated system with full traceability and test data integrity that can be operated by a single engineer

**BENEFITS:** Accurate, validated results; cost and resource savings; procedural conformity

**80%**

Reduction in testing time

**50%**

Reduction in operators

“The BLRT revolutionises the testing environment by offering automated, intelligent earth bond loop & joint testing”



## THE SOLUTION

### 1 WORK WITH LEADING OEMS FOR APPROVAL

MK Test Systems have worked with The Boeing Company for several years to tackle common problems associated with the legacy approved tool. The result is the **BLRT** (Bond, Loop and Joint Resistance Tester).

The BLRT is approved for AMM tasks by The Boeing Company as a direct alternative to the legacy kit. Airbus have also approved the use of the BLRT.

### 2 AUTOMATION = DATA INTEGRITY & COST SAVINGS

The system automatically captures test result data and uploads on completion, ensuring full traceability and test data integrity.

The automation of both the process and the subsequent data handling means that the testing can be carried out by a single user.

### 3 BUILT-IN CONFORMITY

The BLRT has an in-built test guide. With a large colour touchscreen, our graphical guidance system provides clear step-by-step directions.

Minimal training is required, and conformity in testing procedures is guaranteed.



## THE RESULT:



## ABOUT MK TEST SYSTEMS

MK Test Systems have been a leading manufacturer and supplier of automatic harness testing systems since 1991. Many of the world's leading aerospace, defence, and rail companies rely on our systems every day of the week to test their products.

We have successfully delivered and implemented over 3000 electrical test systems into 34 countries and have built an enviable reputation for excellence in Automatic Test Equipment (ATE) solutions and the way in which we support our customers.



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