

Automatic test equipment for





WHY CHOOSE MK TEST SYSTEMS

Since 1991, our automatic test equipment has enabled MRO operators to efficiently test electrical wiring and measure lightning protection, HIRF protection and ground circuits.

We enable some of the biggest names in the aerospace sector to efficiently and accurately perform high voltage testing.

MRO facilities can be assured that our equipment meets OEM requirements - we're listed in Boeing and COMAC aircraft maintenance manuals (AMM) and offer equivalency for Airbus.

Our tools and equipment combine powerful features with easy-to-use software and interfaces - designed to make testing simpler and faster.

This brochure provides an overview of the main test applications for the MRO sector.

For help and advice, visit mktest.com or contact our team on sales@mktest.com.

Harness shop

Sub assembly Final assembly

MRO



SOME OF OUR MRO CUSTOMERS











































TESTIMONIALS

"ExLRT provides faster testing, is easier to use and can be [operated] by 1 person."

ExLRT user, Lufthansa Technik

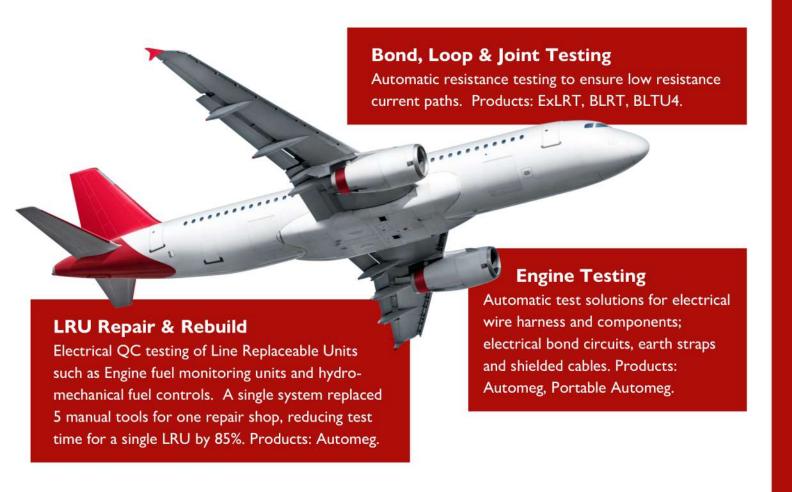
"Kudos to you and the team!"

ExLRT user, AAR Aircraft Services

"[ExLRT] is greatly exceeding our expectations...the speed at which we can move through test points is greatly increased. The ergonomics are a big plus as well."

ExLRT user, The Boeing Company

APPLICATIONS & RECOMMENDED PRODUCTS



MORE RESOURCES AVAILABLE ON MKTEST.COM

Visit our website to access dozens of resources, including product brochures, case studies, application notes, FAQs, 'How to' articles and videos, and more.





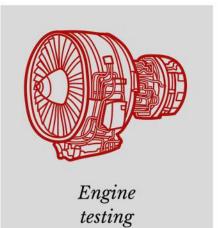
AUTOMEG

We offer an extensive range of electrical harness test systems with our Automeg product, which has the modular flexibility to suit your exact requirements.

Our sales team can help you configure the perfect spec for your needs, but as an overview all models offer the following features:

- Continuity resistance measurement, low voltage isolation test (short circuit), and high voltage DC insulation resistance testing as standard.
- Optional high voltage AC HiPot testing, capacitance measurement LCR modules
- Optional function test stimulus switching modules and power supplies to enable actuation and function test.
- Integration with a range of third party sources, scopes and measurement modules.
- MKAT, our test management software which combines ease of use with powerful test program creation and management capabilities.

All systems can be configured to suit your operation and application, from static rack cabinets to heavy duty mobile cabinets suitable for MRO environments. We also offer distributed and fully portable systems.





LRU (Line replaceable unit) repairs



BOND & LOOP RESISTANCE TESTING

The electrical bonding on an aircraft protects the aircraft and passengers by limiting the effects of lightning strikes, stray currents, HIRF and EMC.

The integrity of bonding circuits is critical to ensure they perform reliably to ensure normal and safe operation of the aircraft control and communication systems.

Our range of portable bond, loop and joint testing tools all have built-in operator guidance. They provide automatic testing of ground bonding points on aircraft, and record the test data for full traceability.

They perform simple, rapid and automatic test and measurement of:

- Bond resistance between structural elements
- Loop resistance and integrity of cable shields
- · Loop resistance and integrity of bonding straps
- Joint resistance diagnostics

The whole range is lightweight and operator-friendly. We have models approved for use by Airbus, Boeing and COMAC as well as for Bombardier through equivalency.



Specified in AMM (aircraft maintenance manuals)













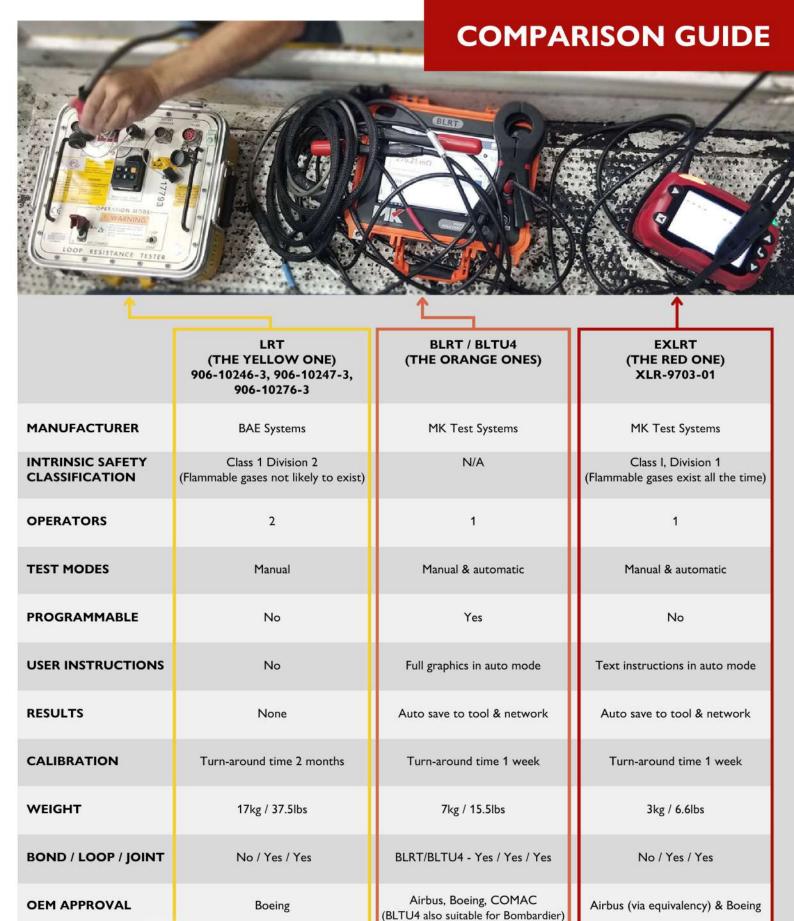






Don't use a bond meter to carry out loop and joint resistance tests!

A bond meter is not accurate enough for loop and joint tests. Why? The bond meter cannot detect open circuits in complex parallel networks, so using one inappropriately can result in bad joints passing inspection.





Detailed guides are available on our website, which explore the benefits of MK's range of test tools versus the commonlyused LRT.

Visit mktest.com/blog to learn more.

ABOUT US

We've been designing and manufacturing automatic electrical test equipment for 30 years. In that time, we've provided systems to customers around the world, in the following industries:



- Aerospace
- Automotive
- Defence (US DoD CAGE code 8EGR1)
- Industrial, Power & Control
- Subsea
- Trains

Our range of products enable rapid, automatic testing of engines, wiring harnesses, slip rings and other vital components.

We can work with you wherever testing is undertaken, at any stage of the product lifecycle. This may be at component manufacture stage - providing quality assurance to subcontractors - or at the final assembly stage, ensuring complete confidence in the final product. Beyond this, we also provide testing solutions for MRO and servicing.

TALK TO US

Our UK head office is supported by satellite locations in the US and Hong Kong. With our large global network of reps and distributors, you can be assured of local support, sales and training.

For your local contact details, please visit our website, www.mktest.com.

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