

ADLEMA

ADVANCED LEAK TESTING MACHINES



SMART, FAST, PRECISE LEAK TESTS FOR DEFENSE INDUSTRY

The defense industry is an industry where high-tech products are used to operate under the most challenging conditions. Every component produced is designed to operate for longer periods under more demanding conditions. It is crucial for the products to maintain their physical properties in harsh conditions (such as sealing, IP67, hermeticity, etc.). Unexpected failures during field use can have fatal consequences. Hermeticity ensures that electronic components are sealed to have a long lifespan. The sealing of electronic components should be carefully controlled to prevent damage caused by various gases, specifically water vapor. IP67 test parameters can be applied to all products that need to resist dust, water, or vapor. Non-destructive testing (NDT) methods, such as leak tests, can be applied to all products that come off your production line, leaving no room for errors. With ADLEMA BT 4000 Series test equipment, you can perform leak tests according to your production needs.

MILITARY VEHICLE



(Fire extinguishing equipment, coolant flow pipes, cooling systems, fuel and engine blocks, vehicle headlights, vehicle cameras, and electrical circuit boxes)

PLANE



(Aircraft engine, fuel transfer pipes, electronic components requiring hermetic properties, sensors, circuit boxes, hydraulic components)

UAV & UCAV



(Camera and other optical systems, electronic components requiring hermetic properties, sensors, circuit boxes, batteries)

WEAPON



(Optical weapon attachments -sniper scopes, etc.-, night vision systems, thermal cameras, helmet-mounted display systems, missile warheads, guidance kits, ammunition cartridge cases)

SENSORS



(Hermetic sensors designed to operate reliably in challenging conditions)

ELECTRONICS



(Batteries, electrical circuit boxes, radio enclosures, components with hermetic properties)