

LACO TECHNOLOGIES

PRODUCTION LEAK TESTING

At LACO Technologies, we provide complete custom leak testing solutions uniquely built for your application. Our leak testing methods include helium, HATS™, pressure decay, mass flow, and other tracer gas techniques. Our expertise ensures that your system is engineered for performance and guarantees the success of your application.

With no part too small or too large, our leak testing systems are built for a variety of applications including automotive components, refrigeration equipment, medical devices, electrical devices and packages, appliances and components, and industrial fluid handling components.

KNOWLEDGE

Our applications engineers review your application in detail, including test requirements, part characteristics, and manufacturing process flow.

RESEARCH

We conduct in-house leak testing of your application free of charge, and provide leak rate specifications or correlate leak rates between leak testing conditions and actual operating conditions.

QUALITY

Our materials, components, and system designs are engineered for high performance and integrated for maximum reliability and minimum cycle time.

SIMPLICITY

Our simple yet intelligent leak testing designs offer easy operation, troubleshooting and maintenance.

CONFIDENCE

Our leak testing systems include integrated calibration capabilities, giving you confidence in your leak test results.

COMMITMENT

We are committed to the success of your application, offering remote or on-site support, training to operators, and maintenance/engineering personnel.



Dual chamber helium leak testing system for airbag inflators with 3 second cycle time, and leak testing to 1×10^{-5} atm.cc/sec.

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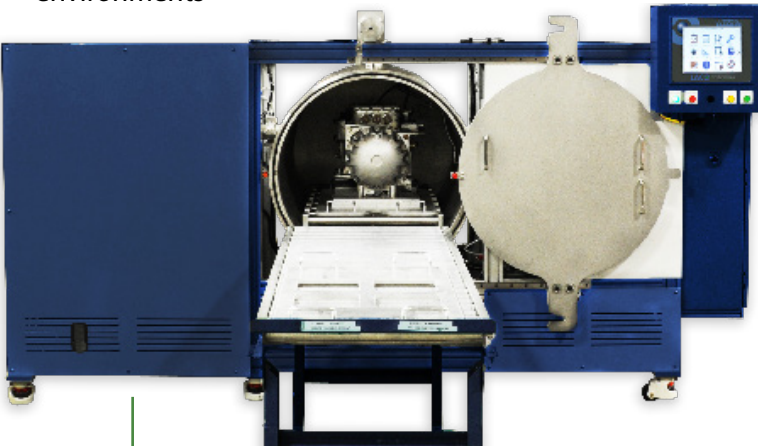
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Multi-chamber helium leak test system for medical diagnostic devices.

LEAK TEST SYSTEM FEATURES

- Leak testing to 1×10^{-9} atmcc/sec
- Optimum system design for fast cycle times – as short as 3 seconds
- Fully automated sequencing with either operator or automated part loading/unloading
- Helium leak detection systems feature LACO and Inficon helium leak detectors
- Integrated automatic system calibration guarantees reliability and confidence
- System diagnostics offer quick and simple troubleshooting
- High system maintainability: simple design, easy access to equipment
- Robust design for high tolerance to harsh industrial environments



Helium leak testing system for refrigeration compressors.

LEAK TESTING EXPERTISE

Our leak test engineers have over 50 years combined industry experience making them well equipped to tackle the most challenging applications.. Not only do we design great leak test systems, we are your partner in your leak testing process.



Dual chamber system for helium leak and occlusion testing heater cores.



APPLICATION EXPERIENCE

LACO has experience in designing systems for an array of leak testing applications spanning a wide range of industries.

Examples of applications we've worked with include:

- Helium leak testing refrigeration components: compressors, hose assemblies, heater cores, expansion valves, and others
- Air and helium leak testing bioprocess containers & bags
- Helium leak testing automotive components: airbag inflators and initiators, fuel tanks, A/C hoses, heat exchangers, transmission pressure sensors, and more
- Helium accumulation leak testing high voltage switchgear
- Helium leak testing ocular implants
- Pressure decay testing ballistic packs
- Helium leak testing hard disk drives