COMPREHENSIVE LEAK TEST SOLUTIONS
YOUR LEAK TEST CHALLENGES ARE GROWING.

Regardless of your industry, your production process is demanding more from your leak test equipment partner than ever before.

YOU NEED PEACE OF MIND
Your leak testing process requires accuracy and repeatability; you need to know that your equipment won’t give you false accepts and rejects. The equipment should be reliable and trouble free.

YOU MUST INCREASE UPTIME
Quality components and robust designs ensure maximum uptime. For long-term success you must also have effective training, competent and responsive technical support, and partnerships with experienced service and repair technicians.

YOU REQUIRE FLEXIBILITY & SPEED
Your production process requires equipment which can accurately test a wide variety of parts, can implement an array of leak test methods, and meet your production demands.

LACO Technologies understands your challenges and needs. We make the difference you require.
At LACO Technologies we are passionate about your leak testing success.

We make the difference you require through:

Clear communication between LACO’s leak test team & your company
We’ll establish a steady, and thorough line of communication with your staff from project start to finish. This will lead to a clear understanding of your definition of requirements and part characteristics including: production volumes, degree of automation, leak rate sensitivity, available budget, and more.

Extensive application experience
LACO Technologies has experience in an array of industries and applications, which ensures our systems deliver the specific performance, reliability, and features you need for your critical leak testing applications.

Aerospace & defense  Appliances & electronics  Automotive & transportation  Medical & pharmaceutical
Packaging & containers  Power generation & storage  Refrigeration & air conditioning

A broad set of leak test methods
Our vast leak testing experience brings you the widest selection of leak testing methods to implement into your process. We will work with you in order to help select the right leak testing method for your application.

The most complete line of products
We offer a powerful range of leak testing equipment and systems designed with your unique production requirements in mind.

Leak test design expertise
When you partner with LACO, you gain access to a team of engineers with over 50 years combined leak test design experience. With our level of skill and commitment to the success of your leak testing process, there isn’t a challenge we can’t handle. Whether your needs include designing tooling, manifolds, test chambers, pumping systems, controls, or automation, our engineers are committed to the excellence and continuous improvement necessary to make the difference you require.

Commitment to quality
As an ISO 9001:2008 certified company, LACO Technologies is committed to the excellence and constant improvement necessary to undertake the most rigorous and challenging leak testing projects your needs may dictate.

Excellent customer service & technical support
Our service technicians and engineers are committed to supporting your LACO leak testing systems throughout their lifetime. We have a responsive and fast acting team in place to maximize your uptime. With our leak testing expertise we offer a wide range of training that will give you the tools for long-term success.

Worldwide sales & service network
In addition to LACO’s headquarters in Salt Lake City, we are proud to offer leak testing system support through our authorized service partners located around the globe.
**Examples of Our Work**

**Application**
- High volume production of gas storage tanks

**Challenges**
- Part Size
- High test pressures
- Automation

**Solution**
LACO custom automated helium hard vacuum dual chamber leak testing system

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**Application**
- High volume production of airbag inflators

**Challenges**
- Low leak rate reject limit
- High production rate

**Solution**
LACO custom automated helium hard vacuum multi-chamber leak testing system with automated pick and place

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**Application**
- High volume production of refrigeration compressors

**Challenges**
- Integration into production line
- High pressure gas mixture

**Solution**
LACO custom automated helium hard vacuum single chamber leak testing system
Application → Challenges → Solution

**Application**
High volume production of medical diagnostic devices

**Challenges**
- Materials of construction
- High production rate

**Solution**
LACO custom automated helium bombing and hard vacuum multi-chamber leak testing system

**Application**
Medium volume production of motorcycle fuel tanks

**Challenges**
- Low leak rate reject limit
- Tight deadline
- Pressure constraints
- Limited budget

**Solution**
Automated helium hard vacuum leak testing system using a TitanTest™ leak detector, vacuum test chamber, and an Atlas™ leak test process controller

**Application**
High volume production of automotive A/C hoses

**Challenges**
- Multiple part configurations
- Fast cycle time
- Compact footprint

**Solution**
Flexstation™ automated helium hard vacuum leak testing system with multiple custom test chambers to accommodate different part configurations

**Application**
Low volume production of aircraft engine control modules

**Challenges**
- Multiple part sizes
- Data collection

**Solution**
Automated air vacuum decay leak testing system using an AURA™ Multi-Test leak tester, vacuum test chamber (with 3 inserts to accommodate 3 different part sizes), and barcode reader
SELECT A LEAK TEST SOLUTION FROM OUR COMPREHENSIVE OFFERING OF METHODS & INSTRUMENTS

TRACER GAS LEAK DETECTION INSTRUMENTS

TITANTEST™ MASS SPECTROMETER LEAK DETECTOR
Helium & Hydrogen: Hard Vacuum, Sniffing
Low Volume Production (Medium Volume When Paired with an Atlas™ Controller)

ATLAS™ LEAK TEST PROCESS CONTROLLER
Helium: Hard Vacuum, Sniffing, Accumulation, HATS™, Bombing, Charging
Low to Medium Volume Production

AIR LEAK TESTING INSTRUMENTS

AURA™ MULTI-TEST AIR LEAK TESTER
Air: Pressure Decay, Vacuum Decay, Mass Flow, Differential, Force Decay
Low to High Volume Production
Customizable Software

AURA™ COMPACT AIR LEAK TESTER
Air: Pressure Decay, Vacuum Decay
Low to High Volume Production

STANDARD PLATFORM HELIUM LEAK TESTING SYSTEMS

FLEXSTATION™ LEAK TESTING SYSTEM
Helium: Hard Vacuum
Medium to High Volume Production

CUSTOM DESIGNED LEAK TESTING SYSTEMS

LACO CUSTOM LEAK TESTING SYSTEMS
Helium, Hydrogen, Argon, & Refrigerant: Hard Vacuum, Sniffing, Bombing, Accumulation, HATS™
Air: Pressure Decay, Vacuum Decay, Mass Flow, Differential, Force Decay
High Volume Production
START ON THE PATH TO SUCCESS WITH LACO TECHNOLOGIES BY:

- Consulting with our application experts
- Sending us a part for evaluation & testing
- Scheduling an onsite visit with equipment demo
- Requesting a quote
- Attending our training seminars
- Scheduling onsite product training
- Visiting our blog for the latest leak testing info
- Downloading application notes from our website

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