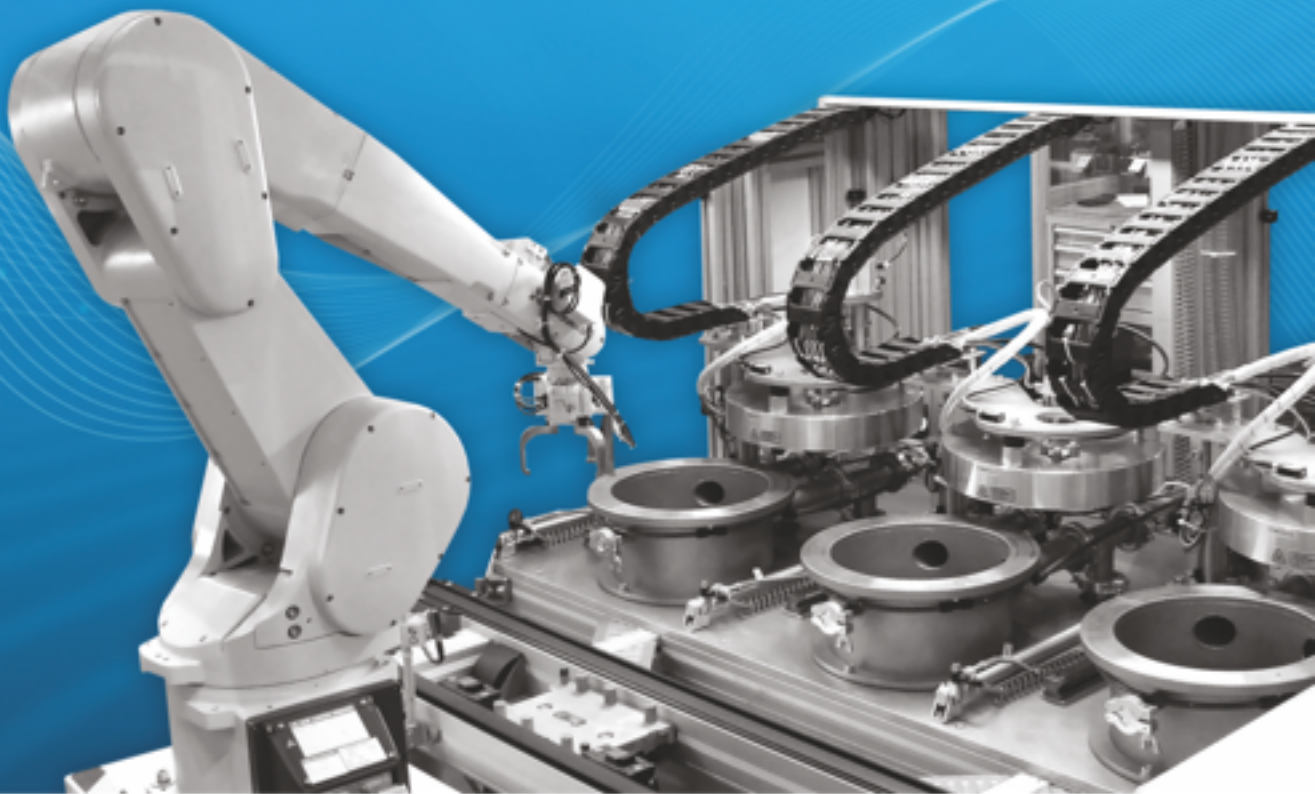


HIGH PERFORMANCE LEAK DETECTION TESTING SYSTEMS

Design and manufacturing based on long-term experience and knowledge
in the field of vacuum technology and leak detection.



DEVELOPMENT - DESIGN - PRODUCTION



Agilent Technologies

LT HLS Leak Detection Testing Systems

The Leak Detection Testing Systems (LT HLS) are designed and manufactured by LABTECH. These systems have been developed for a wide range of industrial applications and are suitable for serial production lines, prototypes and new products testing in R&D stages.

Every leak detection testing station is designed according to the customer's specific demands and is hence tailored to the individual product being tested.

Agilent Technologies Components

Due to the long-term collaboration between LABTECH and Agilent Technologies Vacuum Product Division, the leak detection systems boast the following two design elements:

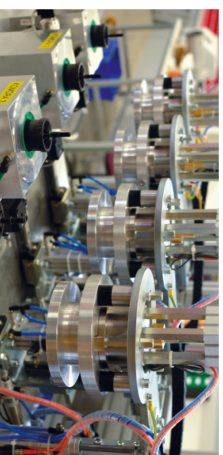
- Helium leak detector; this incorporates the proven patented design which is based on the mass spectrometer principle
- Vacuum pumps with the latest in cutting-edge vacuum technologies



LT HLS Concept Design

The concept incorporates the following:

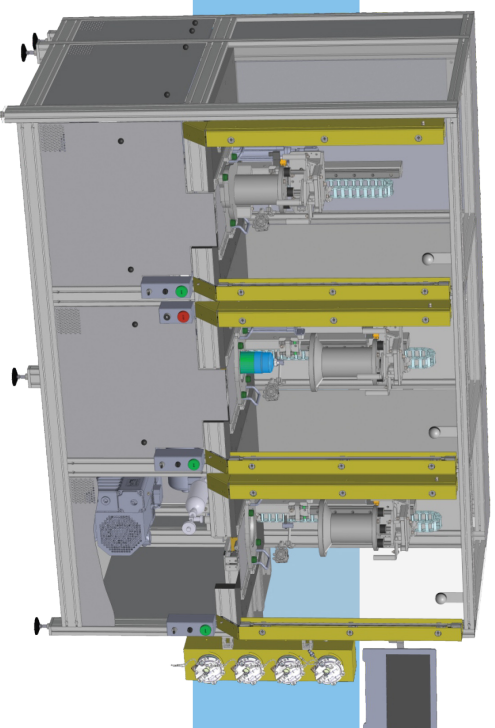
- Ergonomic custom design, tailored to the customer's requirements and application
- Optimized testing chambers for specific products. This results in a faster response time, minimizing the entire cycle time.
- A divided vacuum system which isolates the pumping and measuring lines, resulting in a clean solution.
- Pneumatically controlled fixtures/adapters, designed in-house, to fix the product being tested.
- LT-HGPS. The Helium Contamination Protection System eliminates the possibility of helium leak detector contamination with large leaks.
- Automatic static and dynamic calibration. This automatic calibration is related to NIST traceable and certified calibrated leaks.
- CE compliant.



Operation through Intuitive Software

Leak detection systems are controlled by modular PLC (SIEMENS, Allen Bradley, Mitsubishi etc) alongside industrial PGs. Touchscreen also aids visualization.

- Bespoke intuitive software and interactive touchscreen with multilevel access is tailored to the customer's specific requirements and test piece.
- Data management functions through a database system.
- The password-protected service mode allows the customer to control all valves and pneumatic components. This service mode monitors all the sensors by touchscreen.



Minimizing Operational Cost

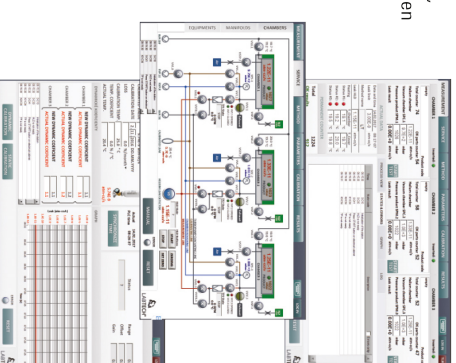
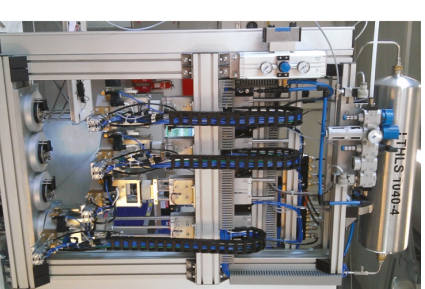
Helium consumption is the primary consideration in Labtech leak detection station design. This is achieved by:

- The design features LABTECH's helium mixing system (LT-HEMIX), which measures the helium concentration.
- The station is also connected to the recovery unit.

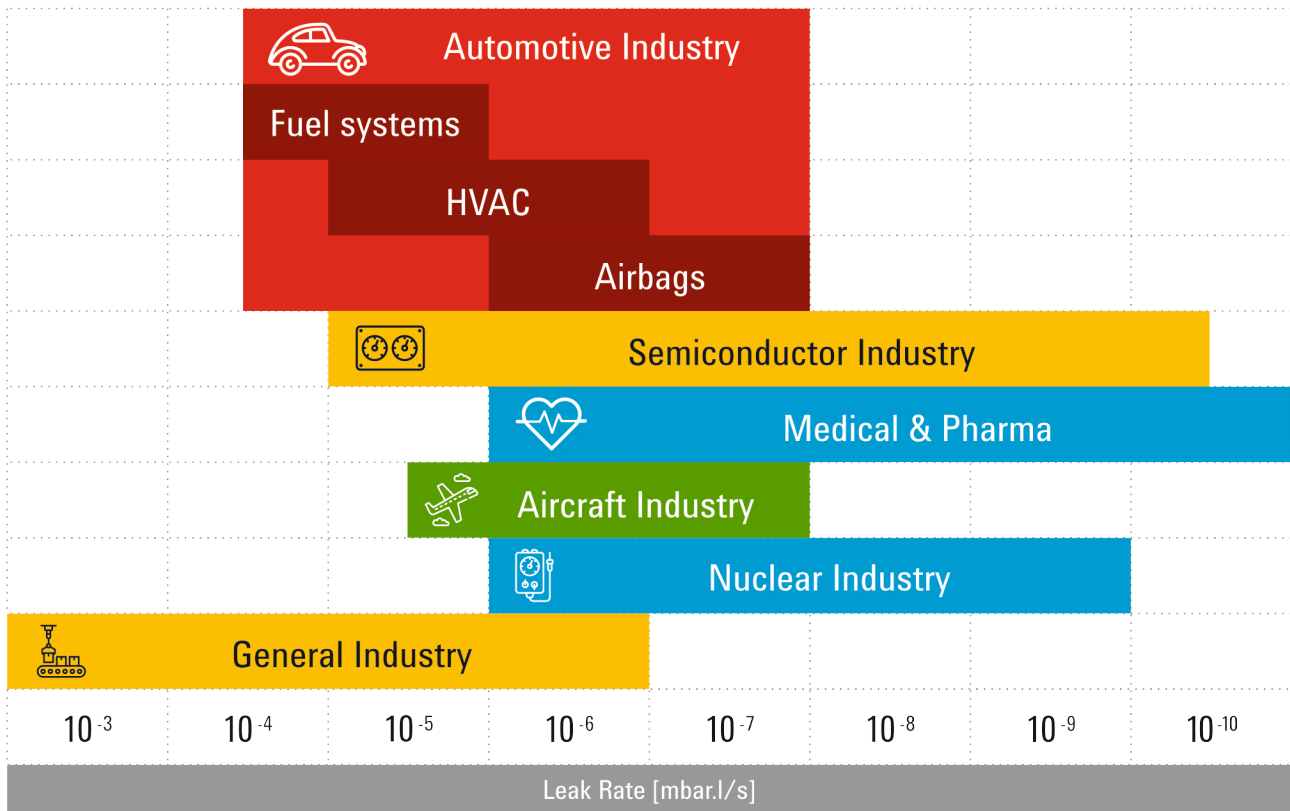
Agilent Technologies VS C15 Component Helium Detector INTERFACE

If the helium detector in your existing testing system has become obsolete, or you would like to change the helium detector, we are able to replace any kind of detector using the VS C15 component helium detector and the newly-developed Interface box.

The 'Plug & Play' style installation is incredibly simple, with no need to modify PLC software or make changes to the electric switchboard. For more detailed information, please contact your local Agilent Technologies representative or contact LABTECH directly.



Applications



References

MANN + HUMMEL

Valeo

HANON SYSTEMS

PM²DM
Minebea Group of Companies



TI Automotive



EMERSON

TW
Illinois Tool Works Inc.



BOSCH

Contacts

Please send your questions to: leak.detection@agilent.com



LABTECH[®]



Agilent Technologies

Czech Republic

LABTECH s.r.o.
Polní 340/23
639 00 Brno
Tel: +420 511 192 927
Fax: +420 543 210 115

Italy

Agilent Technologies Italia SpA
via F.lli Varian 54
10040 Leini, (Torino), Italy
Tel: +39 011 9979 111
Fax: +39 011 9979 350
Toll free: 00 800 234 234 00

Benelux

Agilent Technologies Netherlands BV
Groenelaan 5, 1186 AA Amstelveen
The Netherlands
Tel: +31 20 547 2000
Fax: +31 20 547 2093

India

Agilent Technologies India Pvt. Ltd.
G01, Prime corporate Park, 230/231,
Sahar Rd., Opp. Blue Dart Centre,
Andheri (East), Mumbai, 400 099 India
Tel: +91 22 30648287/8200
Fax: +91 22 30648250
Toll free: 1800 113037

Germany and Austria

Sales & Services GmbH & Co. KG
Lyoner Str. 20
60 528 Frankfurt am Main
Tel: +49 69 6773 43 2230
Fax: +49 69 6773 43 2250

France

Agilent Technologies
Parc Technopolis
3, avenue du Canada - CS 90263
91978 Les Ulis cedex, France
Tel: +33 (0) 1 64 53 61 15

UK and Ireland

Agilent Technologies UK Ltd.
6 Mead Road, Oxford Industrial Park
Yarnton, Oxford OX5 1QU, UK
Tel: +44 (0) 1865 291570
Fax: +44 (0) 1865 291571