



# Helium Leak Tester

AGS-TECH, Inc. Ph: (505) 550-6501, Fx: (505) 814-5778

Email: sales@agstech.net, Web: http://www.agstech.net

**We can put your company name, brand, logo on these  
Designer, Manufacturer and Integrator of Machines and Tooling**

- Automated testing precisely identifies each leak point and provides greater accuracy, sensitivity and repeatability than hand-held “sniffer” testing.
- Stores testing results for each part and allows identification of problem areas and failure points.
- Dedicated testers can be custom designed for specific parts and/or assemblies.
- Interchangeable tables accommodate a variety of parts – controls recognize each table and reconfigure test parameters as required.
- Parts can be single or double fixtured for higher throughput.



Helium Leak Testers eliminate the variables and errors inherent in manual leak testing procedures.

Instead of testing for leaks with a hand-held “sniffer”, Leak Testers use a series of clam shell fixtures – each with a fixed detector probe – that individually encapsulate and test every potential leak point on a part.

By automating the testing process, Leak Testers produce results that are far more accurate, sensitive and repeatable.

This, in turn, means the high quality data generated by these tests can be used to precisely identify recurring leak points.

Here’s how the leak detection process works. After the operator loads the part / assembly into the tester and initiates the test cycle, clam shell tooling closes around each of the part’s potential leak points.

The tester pulls a vacuum on the part to test for presence of O-rings, then charges the part with helium, at the parts “real life” working pressure.

After a programmed period of time (accumulation time), the system samples the air in each clamshell enclosure for unacceptable levels of helium.

The fixed probe, coupled with the protected testing environment within the clamshell, minimizes the risk of error and variation between tests. As a result, test results maintain a high level of accuracy and repeatability.

A readout on the control panel identifies the location of any leak, and has the capability to store the test data in the system’s memory.

Custom engineered for each application, Helium Leak Testers can be designed as dedicated units for specific parts.

Additionally testers can be built to accommodate a series of interchangeable tables for testing a range of products.

When interchangeable tables are used, the system “recognizes” each table, and automatically reconfigures the test parameters for each specific part, further reducing the risk of operator error.

Ideal for testing automotive components like air conditioning lines, fuel lines, fuel rails, brake lines and other pressure or vacuum lines.

Leak Testers provide manufacturers with a level of testing accountability and accuracy that makes zero-defect production possible.

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