NASA inspired Multiple-sensor technology

What does it for you? -

The key component in all ‘pressure decay’ leak testers is the pressure transducer.

All pressure transducers drift for a variety of reasons, but ‘generally’ this drift is small enough not to cause a problem.

We don't like the word ‘generally’, particularly when describing equipment used for testing containers that might contain hazardous chemicals.

Our technique to solve the problem is deceptively simple:

Have a number of transducers
all measuring the same pressure.

By adding their signals together you get a more accurate pressure measurement.
By comparing their *difference* you get an early warning that a transducer is drifting.
In the event that the drift is significant a warning is given on the display and an amber beacon light is lit.

Again, our unique Dual-Core processor allows us to do these complex mathematics without any effect on the sequence of the rest of the equipment.

NASA believes that multiple sensors are essential for reliable measurements and fail-safe operation.

We believe that moulders of ‘UN’ containers want a greater confidence in their leak testing equipment. Now you can have it, but at prices that are not out of this world !

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Advanced Leak Testing
For
Industrial Containers

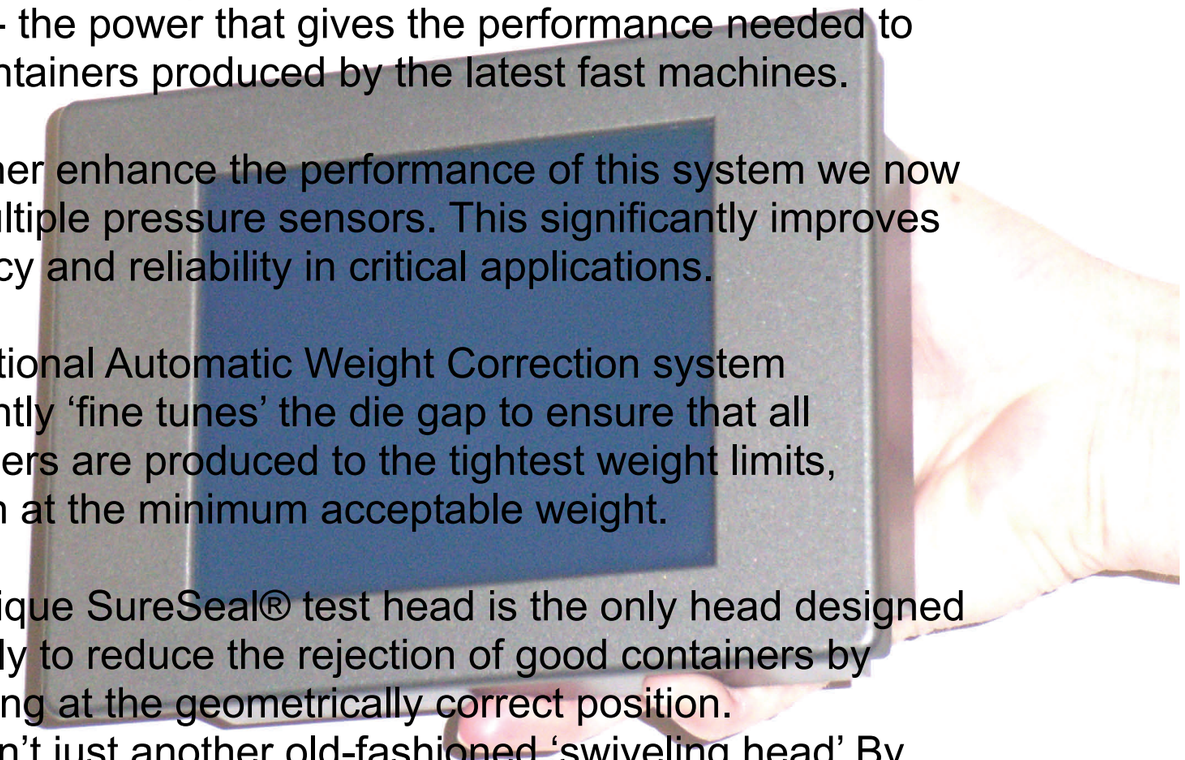
Developed specifically for industrial containers typically ranging from 20 - 300 Lt our new ‘state of the art’ AQS-2-DT leak testing system with dual-core processor and user-friendly touch screen introduces a new level of performance and reliability.

In addition to being a great leak tester, this new system has plenty of spare processing and I/O capacity to control collating tables, automatic check weighing, top-load strength and many other optional tests.
With features demanded by some of the worlds leading manufacturers of UN/DOT containers the system is designed to meet the latest regulatory changes.
One new feature we’re introducing is based on the NASA principle called ‘redundant control’ which uses multiple sensors. This brings a unprecedented level of confidence in the testers performance and calibration.

NASA inspired multiple sensor technology - Increases accuracy, reliability and confidence

- ***Latest ‘Dual Core’ technology***
- ***Fast Analog processing***
- ***Ladder diagram PLC programming***
- ***Free programming Software***
- ***Touch Screen***
- ***Serial and Modbus interfaces***
- ***Real time clock***
- ***82 I/O ports gives massive control capability***

DUAL CORE PROCESSOR = BETTER PERFORMANCE + BETTER REPEATABILITY !



Don’t be fooled by its size - This little box packs amazing power - the power that gives the performance needed to test containers produced by the latest fast machines.

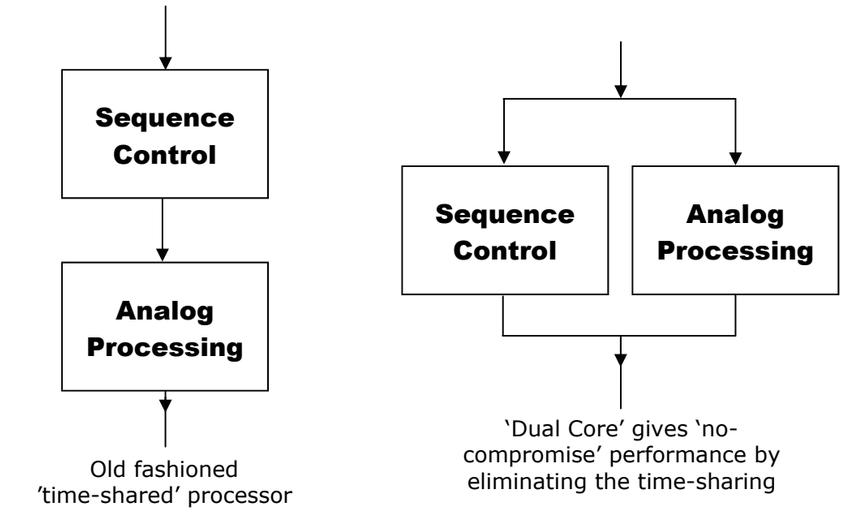
To further enhance the performance of this system we now use multiple pressure sensors. This significantly improves accuracy and reliability in critical applications.

Our optional Automatic Weight Correction system constantly ‘fine tunes’ the die gap to ensure that all containers are produced to the tightest weight limits, and run at the minimum acceptable weight.

Our unique SureSeal® test head is the only head designed specially to reduce the rejection of good containers by swivelling at the geometrically correct position.
This isin’t just another old-fashioned ‘swiveling head’ By reducing the force needed to get a perfect seal it also increases the life of the seal pad.

Why *DUAL-CORE* Processor?

Detecting leaks by measuring pressure decay needs fast analog signal processing mathematics - something PLC’s are not designed for. But PLC’c are excellent for sequence control like getting switch inputs and turning on valves. ‘Conventional’ testers use a single processor and accept the compromise between the two tasks.
We don’t compromise - in our *Dual Core* processor the analog and sequence tasks are performed independently by each processor.
No mater how complex each task is, the other is unaffected.
It doesn't matter if you have a 1,2,3 or 4 head leak tester, with sequential blow off and full control of the trimmer indexing motor - there is ***no compromise*** in performance.



A.Q.S.
AUTOMATIC QUALITY SYSTEM

Next Generation Leak Testing System