nolek

- Leak Testing -

INTEGRATED SYSTEMS FOR: ELECTRONICS

Specialist in leak testing since 1973

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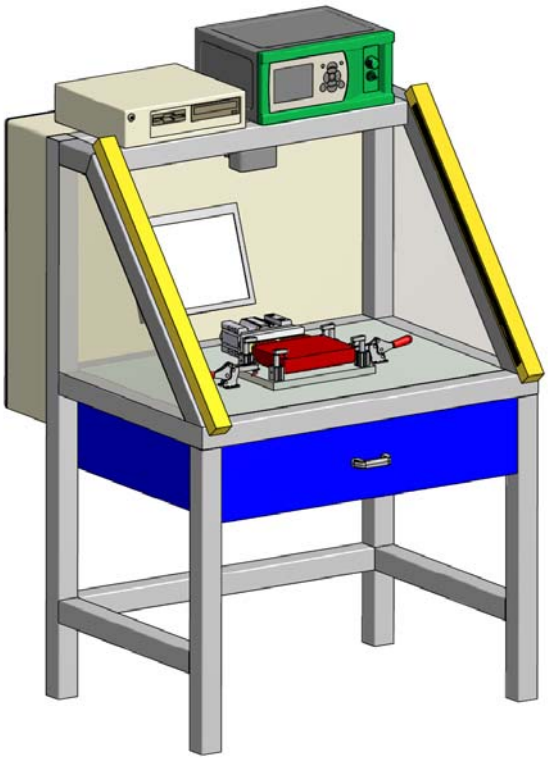
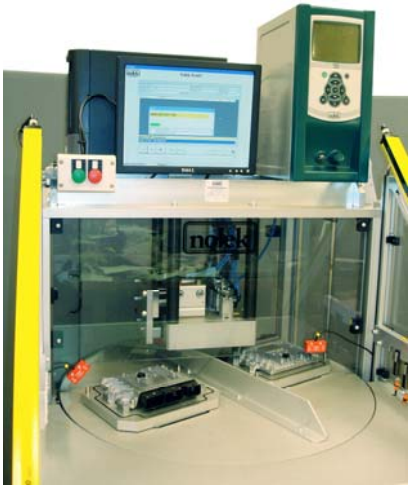
- Leak Testing -

TESTING ELECTRONIC PARTS

Nolek has extensive experience constructing systems to leak test a wide variety of parts and products within the electronics industry. For example, we have a longstanding relationship with the cell phone producers Sony Ericsson and Nokia. The machines we have built test, for example: different types of electronic parts and devices, different types of batteries, different types of casings, cellular phones, casings for cellular phones, cellular phone antennas, alarm buttons, different types of lights, amplifiers, phones, optical sensors, com radios, inc containers, electric heaters, shavers, and weapon sights etc



Measuring method: Pressure decay
Leak rate range: 10^{-2}cm^3/sec to 10^{-4}cm^3/sec
Cycle times: from 8 seconds and up
Automatic calibration
Compact design
Available with single or double tooling



Description of procedure:

1. The part to be tested is manually or automatically loaded in the test chamber and is connected with the fixture.
2. The test chamber is then closed.
3. Then we pressurize the test part to specified pressure. If we do not reach the pressure in a specific time it is declared as having a “Gross leak”.
4. Then we stabilize. The stabilization time is dependent on the volume and the pressure.
5. Next is the measuring sequence. The measurement time is dependent on the leak rate.
6. If the test is ok, we evacuate the product and open the fixture.
7. If there was a leak with a manual system, the chamber will stay closed until the operator has pressed the reset button. If the system is automatic the machines separates leaking products from not leaking ones.
8. All machines that Nolek produce have adjustable calibrated leak. This can be operated automatically.

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