

Investigative Testing

Technical Information



Investigative Testing

We have equipment and experience to perform a wide range of tests and investigations into the performance of your products. Tests can be performed on mechanical components, integrated circuits, printed circuit boards, and full assemblies. The tests listed here are in addition to our environmental testing capability.

Range of Tests

- Flammability
- Solvent Resistance
- Contaminating Fluids
- Solderability
- Robustness of Terminations
- Microsectioning
- Visual Analysis
- Sealing

- **Abtest is a UKAS accredited independent laboratory capable of testing products to international or customer generated specifications. We can perform tests and investigations into a wide range of mechanical and electrical characteristics.**



A subsidiary of TT electronics plc



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Flammability

Flammability testing to various specifications in a purpose built safety cabinet complete with fume extraction.

Solderability

Solder bath and soldering iron methods

Fluids

A wide range of solvents and fluids are held in stock and can be formulated to customer's requirements using grade chemicals as necessary.

Sealing

A wide range of facilities are available from -1 bar vacuum to 200 bar pressure.

Robustness of Terminations

A range of jigs, fixtures and equipment provide adequate testing facilities for tensile, bending, torsion, compression and torque tests.

Microsectioning and Visual Analysis

We are able to perform visual analysis of items with a suite of tools consisting of microscope, image analysis system and colour printer.

Items such as connector pins and electronic components may be microsectioned and potted, so that their surfaces may be ground and polished for inspection. We have a Bausch and Lomb microzoom microscope with X1200 magnification to inspect the sectioned surfaces. An RMC-D3M Image system is used for off-screen measurement and co-ordinate analysis. Colour copies are available in paper or electronic format.

Model Shop/Tool Room

This facility with Computer Numerical Control (CNC) and graphic enhanced machine tools is also available. We design and manufacture a wide range of products. These include Prototype Models for customer exhibitions, test equipment for use in automotive and computer industries, fixtures can be linked to computer controlled data analysers designed and built by our Engineering facility. General tool room work can also be offered with fast delivery turnaround.



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