

RELIABLE POROSITY TESTING OF COATINGS AND FOILS



ISOTEST act

... the Best sets the Benchmark

- Non-destructive holiday detection with maximum test reliability & minimum material stress according to international standards
- No static charging
- “Phantom-Grounding” – no direct grounding necessary
- Porosity testing of damp and slightly conductive surfaces
- Automatic documentation of test processes

ISOTEST act

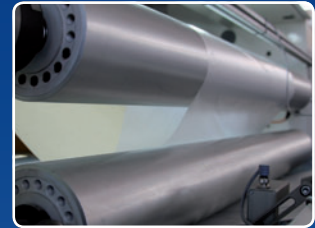
Examples for applications



Testing of PE / PP and FBE coatings up to NPS 1600 mm



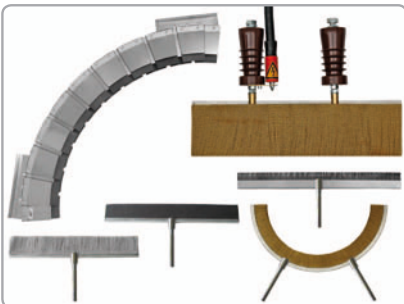
Testing of pipe liners (NF / GRP) up to NPS 1200 mm



Testing of foils without static charging

Choosing an ELMED high voltage testing system you opt for the market leader in the field of mobile and stationary porosity testing technology. Thanks to patented know-how and flexible modular design ELMED testing systems have become essential components for a modern quality assurance of coating facilities. Latest electronics, consideration of the required safety measures and generous power reserves qualify the ISOTEST act for reliable testing of all conventional coatings and pipe diameters.

System components



Test electrodes & accessories

A large variety of test electrodes of different materials, shapes and sizes allow the safe and reliable porosity testing of coatings and foils without material stress. Individual adjustment of the test electrode to the specific requirements ensures porosity testing according to rules and standards and simultaneously maximum operating life. Thanks to special mounting elements, suitable insulators and high voltage connectors all ISOTEST® test electrodes can easily be integrated into new or existing production lines.



“Phantom-Grounding”

Only by using impulse voltage you can take advantage of this special grounding technique. The electric circuit is closed by special brush electrodes without direct metallic contact to the test object. Little technical equipment and man power are necessary to realise a fully automated cost-effective test.



ISOTEST HV – easy voltage control according to general rules and standards

The compact and robust measuring device allows a precise measuring of the impulse test voltages of ISOTEST® holiday detectors. The result can easily be read on the large display with an accuracy of 0.1 kV. The battery powered device comes with a PTB-traceable calibration (PTB = German Federal institute for Calibration & Measurement) which is recognised by all accredited certification bodies.

