



Fogra

The Fogra testing laboratory for

**ID-cards and
passport
documents**

Fogra



» Fogra – Serving the printing industry «

Introducing the testing laboratory for ID-cards and passport documents

Fogra is a modern service provider in the field of ID-cards and passport documents and keeps track of the constant technological developments in their production. Almost all necessary tests can be conducted in a separately set-up test and research laboratory.

ID-card testing

The topics "ID-card testing" and "problem-solving for card manufacture" have been important areas of activity at Fogra since 1988.

The experience of the staff of the ID-card testing laboratory and the modern, comprehensive equipment set-up guarantee a precise and objective processing of the testing tasks.

A quality management system is used to document the level of quality in the field of the ID-card testing. The system's effectiveness has been validated by an accreditation process based on DIN EN ISO 17025.



Passport documents

The clearly rising demand for physical tests of passports can be attributed to the introduction of machine readable passports (biometric/e-passports) in many countries.

Fogra has accompanied the development of biometric passports on the testing technology front from the beginning and is therefore in the position to run standard tests in its specifically set up laboratories.

Fogra's testing laboratory for ID-cards is capable of conducting all the common ID-cards tests based on ISO, EN and DIN testing specifications as also on the special requirement catalogues of large customers such as banks and insurance companies. Here, tests according to ISO/IEC 10373ff, ISO/IEC 10536 ff, ISO/ IEC 14443 ff, ISO/IEC 15693 ff, ISO/IEC 24789 ff, ANSI 322, with regard to the physical requirements on bank and health insurance cards and the requirements of "gematik" are of special significance.

Order organization

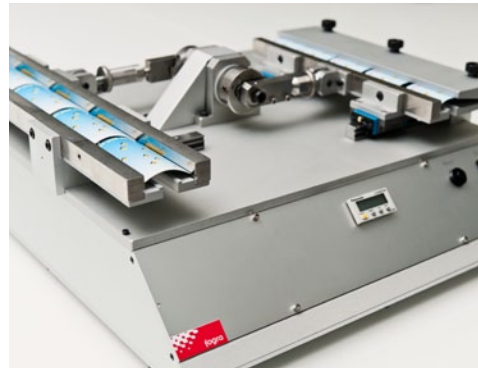
A timely and flexible processing of test jobs is guaranteed due to the strict organisation of the test laboratory. A clear, comprehensive documentation of the test results is naturally included in the service.

Results documentation

For each individual test conducted, a form is generated as a separate annex to the test report. Results can be assigned to the individual test samples here. These annexes to the test report also include numerical values. Hence a special assessment of the tested cards is also possible in addition to the information, whether the requirements of a certain standard are fulfilled.

New test methods

In addition to the routine testing of identification cards, new test methods are being developed. These are indispensable for the objective assessment of the quality of the manufactured cards, were however not provided for any standard till date.



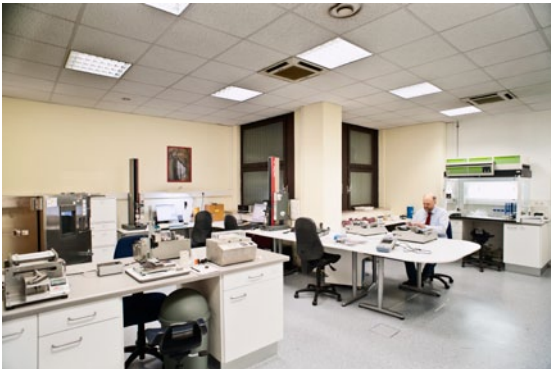
Testing of biometric passports

Fogra not only tests plastic cards in its testing laboratory, but passports and intermediate products that are used in the production of passports as well.

The establishment of a distinctly higher standard with regard to forgery protection and the increase in efficiency during border control is possible only with the stored, biometric characteristics and the possibility of an electronic reading of this personal data. As it is to be expected that biometric passports will be introduced worldwide in the future, all well-known manufacturers of passports or of materials that are required for the manufacture of passports have begun with the development of appropriate products.

Test routine

Fogra's testing of machine readable biometric passports is also accredited. The tests are conducted on the basis of the ICAO Technical Report Durability of Machine Readable Passports.



Research

In addition to contract research for card manufacturers, Fogra also conducts public-aided research projects in the framework of the Industrial Cooperative Research programme*. The objective of these research projects is the optimisation of the process steps in ID-card production and a related improvement in their quality.

Standardization

The experience gained from consultation, research and testing in the field of the ID-cards flows into Fogra's standardization work. For this Fogra staff is in contact with various standardization committees and, as a committee member, directly linked to DIN NA 043-01-17-01 "Test methods for ID-cards".

In addition we did accompany the technical testing for the development of e-passports right from the start and did participate in designing the relevant testing conditions. Here Fogra has been a member of the German mirror committee DIN NA 115-01-03-02 "Machine Readable Travel Documents" since its foundation in 2004.

Our ID-card department is also working in the field of the standardization of the security of pharmaceutical packaging. Here we are actively contributing to the DIN NA 115-01-03-02 committee "Tamper verification features for medicinal product packaging".

* Funded by the Bavarian state ministry for economic affairs, transport and technology or from funds allocated by the Federal Ministry for Economic Affairs and Labour.



Advice and your direct line

Advice

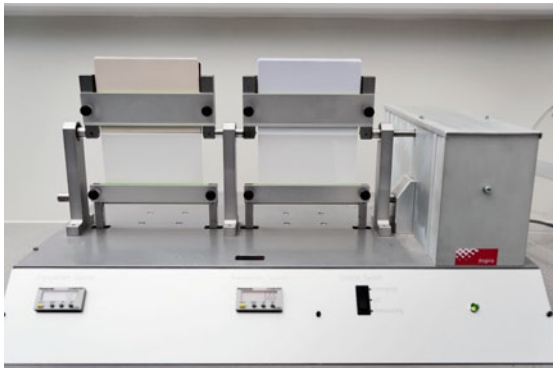
The vast wealth of experience from the traditional areas of research at Fogra makes it possible for the testing laboratory for ID-cards and passport documents to also offer advice in cases of printing problems and other problems during production.

- Are you interested in tests of ID-cards, passport documents or its intermediate products?
- Do you need expert help with a current problem or complaint?
- Are you interested in results of our research projects?

Please do not hesitate to contact us!

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