

## PROJECT

# Vision ID

## Methods for Document Authentication

**Is it genuine or fake?** Thanks to the new methods of document authentication introduced by Vision ID, questions like this can now be given a clear and definite answer.

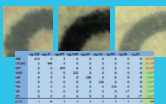
Attempts to counterfeit or tamper with valuable documents are as old as the history of documentation itself and are motivated by a broad variety of reasons. Nowadays computer technologies can generate deceptively perfect copies of documents and flash them round the world at the click of a mouse. Counterfeit documents not only pose a major security threat for society but can also result in huge financial loss. Yet the increasing cunning and sophistication that goes into the faking of documents is matched by an equally determined will to prevent counterfeiting and manipulation.

The Fraunhofer Institute for Production Systems and Design Technology (IPK) has joined with the Bundesdruckerei GmbH in an 18 month research program to develop innovative security features for security-critical documents. Vision ID is an integrated reading and verification system that uses special sensor technologies for document digitalization, characterization of physical scan and printing techniques, and pattern detection and image processing methods.

### Universal Document Identification



### Counterfeit Modelling and Detection



## Vision ID

The Integrated Reading and Verification System

Distributed Document Analysis Systems

Robust, Scalable Document Recognition

Sensor Technology for Document Digitalization

Analysis and Design of Security Features

Characterization of Physical Scan and Printing Techniques



**SICHERE IDENTITÄT**  
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