

## Press Release

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# NIST benchmark test.

## DERMALOG AFIS performance winner.

**DERMALOG, the biometrics innovation leader, shows unprecedented performance in the NIST (National Institute of Standards and Technology) benchmark test, the Fingerprint Vendor Technology Evaluation (FpVTE).**

**Hamburg, 02 April 2015** - In the current eight and ten fingerprint tests DERMALOG by far outperforms the strongest competitors, showing outstanding performance in recognition rates. While always maintaining high accuracy, the system is capable of a throughput of 5.000.000 fingerprints per second. Hence, the speed proves up to be ten times faster than most competitors and even 40% faster than its runner-up performance.

As a consequence, the DERMALOG speed makes the difference within the winning algorithms in the FpVTE test, as a group of vendors reach very reliable accuracy rates. In addition to this, DERMALOG's database search is faster than any other system. Thus, DERMALOG AFIS needs up to ten times less hardware in comparison with competitors.

After setting the world record in 2011, the FpVTE benchmark test confirms DERMALOG's status as the world's fastest and leading AFIS supplier.

Hence, DERMALOG guarantees customer satisfaction as well as top performance regarding all long term AFIS investments. The Hamburg, Germany, based company is one of only five persistent suppliers. Since 2003, the year of the last benchmark test, more than 70% of all FpVTE participants have no longer taken part in the 2012 FpVTE benchmark test and have been replaced by new market entrants. DERMALOG is one of the few biometric identification companies with continuous market presence.

In a ten finger print search study conducted by the National Institute of Standards and Technology (NIST) the DERMALOG AFIS showed the best performance in ten prints (TP) while it offers high usability, is easy to integrate and unique security.

In order to achieve reliable results, DERMALOG puts highest priority on the continuous improvement of its core product: the algorithm to identify fingerprints (duplicates) in large scale biometric database.

In 2012, NIST launched a new Fingerprint Vendor Technology Evaluation (FpVTE) with two main goals. The first goal was to assess the current capabilities of matching algorithms using operational datasets with several million subjects. The second goal was to evaluate different operational considerations that could impact matching accuracy. These considerations included number of fingers used, data types (live-scan, single-finger capture, slap capture requiring segmentation, and rolled), number of enrolled subjects, and matching speeds.

As a pioneer in the development of biometric products and solutions, DERMALOG has shaped the world of security for over 20 years. "We have been and keep on revolutionizing biometric security products for law enforcement, civil governmental agencies like national registration, voter and driver registrations, health agencies, security agencies and develop solutions for access and data security, authorization and authentication services as well as mobile security" says Gunther Mull, the CEO of DERMALOG. Governmental organizations as well as public and private businesses all over the world trust DERMALOG's expertise and state of the art biometric products.

The National Institute of Standards and Technology (NIST), a measurement standards laboratory, is a non-regulatory agency of the United States Department of Commerce.

## About DERMALOG:

DERMALOG Identification Systems GmbH with head offices in Hamburg is Germany's pioneer for biometry and the largest German manufacturer of biometric devices and systems. One of the shareholders in DERMALOG is the state-owned German "Bundesdruckerei".

DERMALOG employs a team of scientists who continuously develop biometric identification systems (so-called "AFIS" and "ABIS" systems), including cutting-edge fingerprint scanning devices. The product portfolio is complemented by biometric border control systems and biometric ID cards and passports as well as biometric voting systems. "FingerLogin", "Finger- Payment" and "FingerBanking" are also solutions developed by DERMALOG, as are systems for automatic face and iris recognition.

As well as Germany and Europe, the main markets of DERMALOG are in Asia, Africa, Latin America and the Middle East. To date, the company has provided its technologies and solutions to more than 150 large scale installations in more than 80 countries.

In addition, DERMALOG offers biometric solutions for banks and for the manufacturers of automatic teller machines. This includes the largest biometric banking project world-wide (USD 50 million), which was delivered by DERMALOG (the so-called "BVN Project"): 23 banks and the Central Bank of Nigeria were provided with DERMALOGs ABIS, which prevents double identities among bank customers by means of finger and face recognition and guarantees the best-possible biometric identification of customers (KYC) for these banks. Furthermore, many ATMs across the globe have been equipped with DERMALOG's fingerprint technology.

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