

AUTHENTICATION OF TEMPORARY DOCUMENTS

ICAO 17-4-2012

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Rio de Janeiro

HOLOGRAM . INDUSTRIES

Innovative Optical & Digital Security Solutions

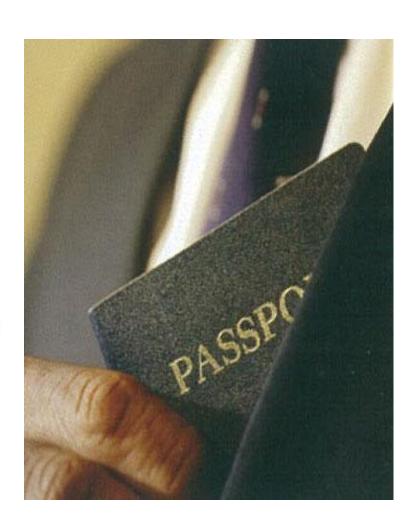
HOLOGRAM. INDUSTRIES IN SHORT

In numbers

- Leader in document authentication
 - Turnover 2011: 43M€
 - Applications in 50 countries +
- Headquarters in France
 - 300 employees worldwide
- Holograms and DOVID's solutions
- Digital solutions



- Document data base
- Image digital signature and investigation softwares



ID DOCUMENT AUTHENTICATION

Understanding the needs

First line control

- Quick
- Easy
- Reliable
- Goal: no doubt
 - Authenticity
 - Alteration

Second line control

- Is performed if doubt at first control
- Can require easy available tools
- Goal: certainty



DOVID's FOR VISUAL CONTROL

Easy to check: simple effects

DID®

- Tilt : a 2 colour image appears
- Rotate: the 2 colours permute

A unique track record

- 6 years on European ID documents
- 0 counterfeit reported to date









DOVID's FOR VISUAL CONTROL

Easy to check: simple effects

- A personalized hologram
 - Photographic definition of the image
- Very high brightness
 - Far higher than embossed (HRI) holograms
 - Efficiency > 90%
- Do not affect at all the readability of the printed data
- Full face or embedded feature





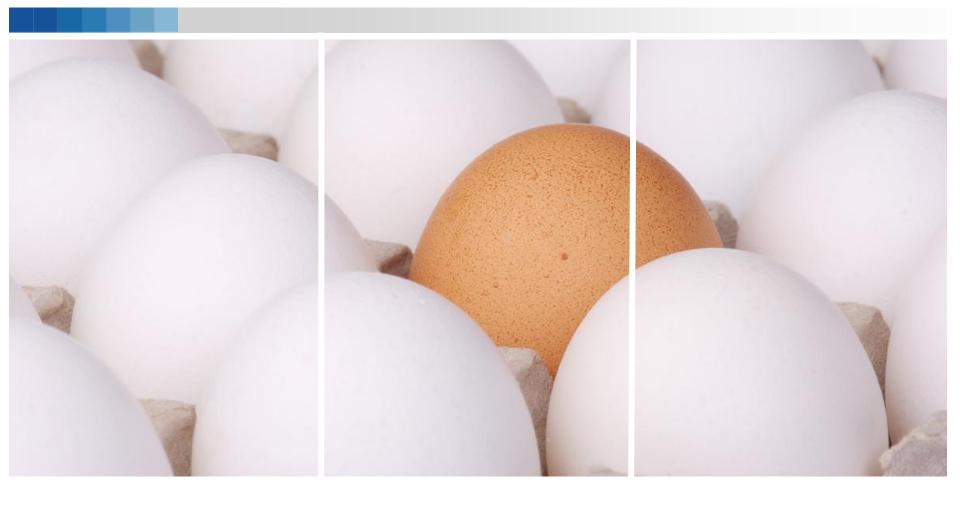
DOVID's FOR VISUAL CONTROL

Easy to check: obvious manipulation

- Any falsification attempt damage the optical effect
 - The optical foil is intimately linked with the personnalisation
 - Ultra-thin layers







DOVID'S ON TEMPORARY DOCUMENTS

Visas, Urgent passports, resident cards

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OPTOSEAL® VISA TOP

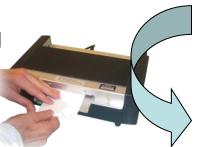
Visa stickers authentication and data protection

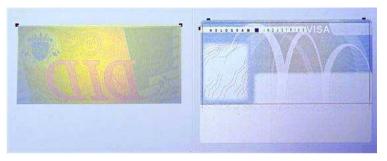
A quick and simple 2 steps desktop process

> Personalization with a standard inkjet or laser printer



 Lamination with a standard laminator









OPTOSEAL® Print

Reverse desktop printing for booklet

- Reverse printing of the laminate with commercial desktop laser printer
- Lamination with a commercial desktop laminator

Result

- High definition personalization
- Secure personalization
 - When glue melts, toner will penetrates in the paper fibers

Advantages

- Extra low cost equipment
- No maintenance
- Very convenient for urgent document











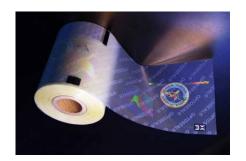
OPTOSEAL® Guard FOR PLASTIC CARD

Films and printers for plastic cards

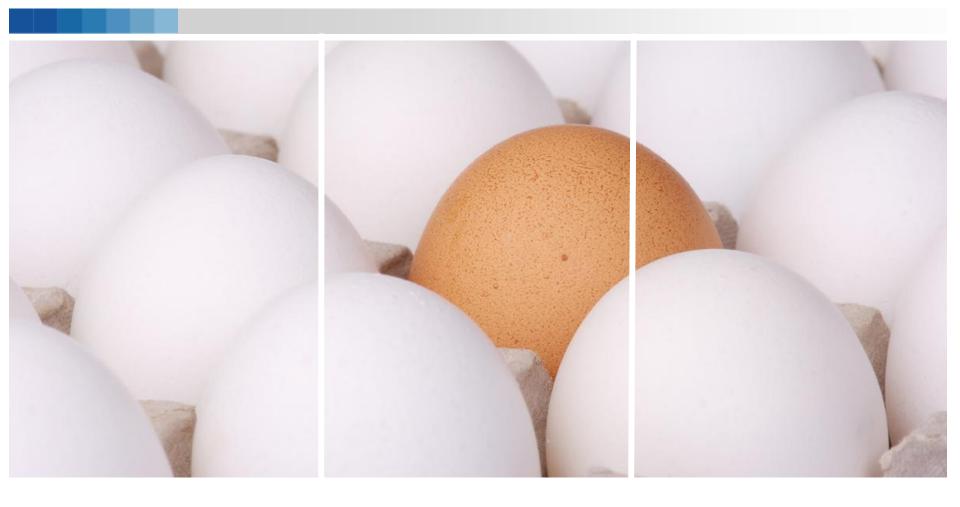
Desktop printing by die sublimation

- In-line lamination
- All variable data are protected
 - 5μ DOVID patch lamination
 - Authentication
 - High Tamper protection
 - Adapted durability









DIGITAL AUTHENTICATION OF A TEMPORARY DOCUMENT

Visas, Urgent passports, resident cards

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GLOBALCHECKER®

General scope

- In line automatic control of ID documents authenticity:
 - Passports, Visas
 - ID Cards
 - Driver licenses...
- Detection of fraudulent operations such as:
 - Tampering of the variable data, photography
 - Falsification of stolen blank documents
 - Fake documents, imitations
 - Photocopies







GLOBALCHECKER®

Creation of the database

- Acquisition of the image of the document
- Calculation of the digital fingerprints
 - Each fingerprint is unique
- Storage in database
 - Each fingerprint indexed with the document number



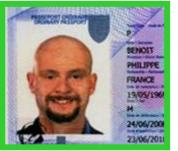
GLOBALCHECKER®

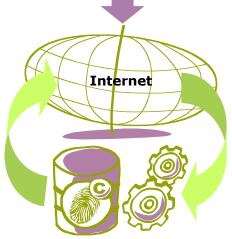
Control process

- Document scanning
- Document image is sent through internet to central server
- Image matching with registered fingerprint ?



Match =Genuine





No match = Fake



Thank you for your attention!