



## BUNDESDRUCKEREI SYSTEM PORTFOLIO



[www.bundesdruckerei.de](http://www.bundesdruckerei.de)

### ► Applications

- Proof of identity, ID cards and travel documents
- Verification, identification and authentication of individuals, prevention of identity fraud, simpler travel

### ► Advantages

- Highly forge-proof thanks to the integration of the latest security technologies
- High durability and resistance thanks to specifically matched materials and components
- Flexible options for features to meet with the desired level of security
- High interoperability with the legacy infrastructure
- Unique expertise thanks to many reference projects
- Comprehensive service offer (call center set-up, support on site, including training)

### ► Properties

- Material, design and security features
  - Highly secure and durable materials
  - Security design and printing (rainbow, guilloches, microlettering ...)
  - Optical and digital security features with copy and scan protection (integrated Kinigram, OVI, CLI, UV background printing)
  - Secure binding and numbering
  - Extremely forge-proof laser or inkjet personalisation (central or decentralised)
- Chip
  - Contactless chip module (cryptoprocessor) for electronic storage of personal data and biometric features
  - Chip OS according to ISO/IEC 7816, contactless interface according to ISO/IEC 14443
  - ePassport application pursuant to ICAO requirements
- Protection methods supported
  - BAC, EAC, Passive Authentication, Elliptic Curve Cryptography (ECC), RSA, Terminal Authentication (TA) with authorisation certificates, Chip Authentication (CA)
- Standards
  - Compliant with international guidelines (ICAO, EU)
  - Active involvement on the part of Bundesdruckerei in the development of standards through participation in the relevant committees
- Product variants
  - Passport which a chip in the data page (polycarbonate)
  - Passport with a chip in the cover