



## ME 7000 COMBI

### Laser and electrical personalisation of ID cards and passports

Personalisation is what makes an ID document unmistakable and unique. Complex technologies are used here, just like the ones that Bundesdruckerei has been using for many years in flexible system solutions for different types of devices and to set up complete personalisation centres. One particularly powerful example is the ME 7000 Combi high-performance machine that can be retrofitted to handle different document formats and can master large production quantities with ease.

#### Advantages at a glance:

- > High document throughput thanks to a powerful ID laser and multiple RFID personalisation
- > Photorealistic portraits in high resolution
- > Precise personalization of tables and finest grey scales
- > Personalisation of different types of documents in one job
- > Quick retrofitting to switch between ID card and passport production
- > High scalability thanks to the formation of machine clusters

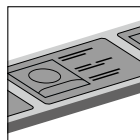
## BUNDESDRUCKEREI – SYSTEM PORTFOLIO



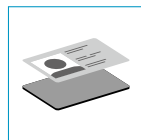
Enrolment



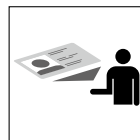
Administration



Document



Personalisation



Issuance



Verification



eServices

### APPLICATIONS

The ME 7000 Combi device is ideal for

- > central personalisation of eID cards (ID1) and electronic passports (ID3) in medium and large production quantities
- > flexible adaptation of production capacities thanks to short retrofitting times when changing between different types of documents

### PROPERTIES

- > High document throughput
  - > 180 ICAO-compliant eID cards per hour with laser personalisation on both sides
  - > 120 ICAO-compliant ePassports per hour
- > Chip personalisation
  - > Processing of contact, contactless, hybrid and dual interface smart cards with a dual-hybrid chip encoder
- > Verification
  - > Verification of personalised documents in realtime (ORV)
- > Security methods supported
  - > Basic Access Control (BAC)
  - > Extended Access Control (EAC)
  - > Active Authentication (AA)
- > Modern laser technology
  - > Photorealistic portraits in high resolution
  - > Microlettering < 0.2mm
  - > Optically variable components (CLI/MLI)
  - > Tactile laser engraving
  - > High precision thanks to automatic laser positioning (e.g. for tables)
  - > Ultra-fine reproducibility of grey scales
- > Very economic
  - > Central control of machine clusters with a single user interface
  - > Efficient servicing and high availability thanks to easy maintenance

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### TECHNICAL SPECIFICATIONS

Dimensions	210cm x 80cm x 134cm
Weight	approx. 600kg
Ambient temperature	15–25°C
Humidity	40–80% (no condensation)
Mains connection	230V / 16A
Chip personalisation	contactless, contact, hybrid and dual interface
Personalisation software	ME 7000 Combi Personalisation Suite; integrated PERSOTEC® data preparation, MES Gateway

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