



# The BookMaster<sup>®</sup> 150 passport numbering system

The BookMaster 150 is a semi-automatic laser perforation system specially developed for the application of the NumberPerf security feature into the pages of the passport books.

## Laser based security

NumberPerf, a perforated number through the pages of a passport, offers a high level of protection. It is a first line feature that makes authentication of the document easy. The feature irreversibly perforates a unique number into the visa pages and back cover of the passport using laser technology. The laser creates perforations which have a conical shape and no reverse embossing. This can easily be checked by the naked eye and by touch.

## Process multiple passport designs

The BookMaster 150 system can handle a large variety of passport designs and is able to process Latin

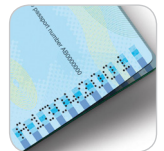
type, as well as Arabic type of books. The manual input of the passport into the system offers a high flexibility regarding the pages which should be perforated. The system allows easy switch-over between jobs. The system can be equipped with optional units for reading, printing RFID encoding and verification. Inserted books are processed automatically and are stacked in the output tray.

## Industrial design

The BookMaster 150 is designed for sustained high quality production in an industrial environment. The ergonomic design and the user friendly touch screen display allow the operator to control the system easily.

## Highlights

- Applies the NumberPerf feature
- Can process a large variety of passport designs
- Easy and quick change-over between jobs
- Reading, printing, RFID and verification are optional



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# What functionalities do you require?

## Insert unit

The operator inserts passports into the insert unit. There are various insert slots available, depending on which pages in the passport need to be perforated, printed and/or read. The insert slots can be changed easily to allow processing of various passport designs.



## Book identification

The camera unit can read a pre-printed number in the passport before perforating the same number. Several locations in the passport booklet can be read and the camera can read different font types.



## NumberPerf

The BookMaster system supports various number layouts and may include customer specific fonts. The BookMaster system can apply the NumberPerf security feature anywhere on the page of the book.



## Inkjet printing

The BookMaster 150 can print a number that matches the perforated number in the passport. The numbers can be random, sequential or taken from an input file. Alternatively, a barcode can be printed.



## RFID reading and encoding

Passport books containing an integrated RFID-chip can be initialized and read in the RFID-unit. The document number can be programmed in the chip and the unit can check whether the data was applied correctly after processing. Optionally, the unit checks whether the RFID-chip is alive before processing.



## Verification

A camera verifies whether the perforated number is applied correctly. If any dissimilarity is detected, the booklet is rejected and conveyed to the reject bin without further processing.

## Output unit

The BookMaster 150 conveys the processed books to the output tray. The output tray can contain up to 175 booklets.

## Touch screen display

The BookMaster system is easily controlled by the operator through an operator interface using a touch screen display. The menu driven design of the software offers flexible and easy operation.



## Logging

The system logs operator log-on, document number and chip serial number of processed books and error messages.



## Free style font editor

A font editor is available to configure your own font sets. Perforation positions can be set on a high definition grid allowing the creation of unique fonts.

