



The BookMaster® Pro passport personalisation system

The introduction of a new passport can be an exciting, but stressful project. With IAI's passport personalisation systems, you have one less thing to worry about. IAI's versatile BookMaster® Pro system personalises passports reliably, automatically.

Suits your project demands. The modular design allows you to choose the functionalities and throughput required for your specific passport project. Future upgrades can be accommodated for easily.

High quality passports. The BookMaster® Pro is an industrial solution of high quality precision engineering. The BookMaster® Pro system personalises passports which are forensically identical to passports personalised on our high volume BookMaster® One system. All functionalities are performed in one go, including an integral verification of the applied data. The finished product is a reliable, high quality passport.

Proven machine concept. Operating the BookMaster® Pro is simple and quick. Start-up and switch-over times are short and all areas of the system are well accessible for maintenance, keeping operational costs to a minimum.

Highlights

- Scalable in speed up to 150 high quality pp/h
- Industrial design for sustained production
- Modular design, choose your functionalities
- Laser engraving and inkjet technology and Laser Colour Inkjet (LCI) feature in the BookMaster® family is forensically identical
- Full colour inkjet printing and/or high quality laser engraving
- Low operational costs



What functionalities do you require?



INPUT

The system is equipped with an automated input stacker. The operator opens the book at the correct position and places the opened books in the stacker. The stacker can hold up to 30 books. The stacker can be locked.



BOOK IDENTIFICATION

A booklet can be identified by reading a barcode with a camera from the outside cover. Alternatively, the book can also be identified by reading information from the chip.



CHIP ENCODING

The unit can be equipped with 1 or 2 encoding units for contactless chip encoding. The system uses an open interface, allowing you to use your own encoding software. Before programming the chip, this can be checked to see if it works. Booklets with defective chips can be returned to the supplier unprocessed.



INKJET PRINTING

For paper passports, a full colour industrial inkjet engine applies the photograph, personal data and MRZ-data and can print both the data page and the opposite page (page 3) at the same print run. The inkjet printer is equipped with 5 industrial piezo electric printing heads (3 colour CMY and two black K).

For polycarbonate passports, Laser Colour Inkjet (LCI) prints the holder's photograph, on the laser engraved photo in the data page. After printing, UV light dries the ink instantly. Optionally, translucent varnish ink is applied on top of the colour image, which is also completely cured with a high power UV light. Full colour and monochrome UV fluorescent print, full colour (visible) photograph and texts can also print on page 3.



LASER ENGRAVING

Personal data can be laser engraved into the laser polycarbonate data page. A camera is used to align the data to the headers. An MLI application is also possible. Also the same laser technology is used as in the BookMaster® One system. Additionally, laser engraving can be done on page 1 of the data page.



VERIFICATION

Cameras cross check all applied visual data and features and a chip reader checks the electronic data to determine whether the information is applied correctly. Rejects passports are sent to the reject or rework bin.



OUTPUT

The finished books are stacked into the output stacker. The stacker can be locked.

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BOOKMASTER® PRO // PERSONALISATION SYSTEM



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