The BookMaster® One 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 One system personalises passports reliably, automatically and at high speed.

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.

Special features
The BookMaster One can apply IAI's patented ImagePerf® feature. Image-Perf® is a proven high security feature applied by laser technology.

Proven machine concept
The BookMaster One has been employed in passport projects all over the world. All functionalities are

performed in one go, including an integral verification of the applied data. The finished product is a reliable, high quality passport.

Efficiency
Operating the BookMaster One is simple and quick. Start-up and switch-over times are short and all areas of the system are well accessible for maintenance. The system uses few consumables an those consumables it does use are available in large containers. This keeps the price of consumables relatively low and keeps operator handling to a minimum.

Highlights

- **Modular design**
- **Scalable upto 500 pp/h**
- **ImagePerf**
- **Proven performance**

Tilt your expectations

iai industrial systems
part of HID Global

What functionalities do you require?

Input unit. The input unit can be equipped with a double input tray. This allows more books to be loaded, and supports working in batch mode with several types of booklets. Optionally, the tray(s) can be lockable.

Book identification unit. A book can be identified by reading a number or barcode with a camera from the outside cover. Optionally, the unit can open the cover of the passport. Alternatively, the book can also be identified by reading information from the chip.

Chip encoding unit. The unit can be equipped with 1 to 5 programming sledges, containing four programming heads each. Before programming, the chip can be checked to see if it works. Books with broken chips can be returned to the supplier unprocessed.

Inkjet printing unit. A full colour industrial inkjet engine prints the personal data on the data page and/or page 3. A camera reads the position of a pre-printed mark to align the data. The resolution of the print is adaptable to obtain more speed. After printing, UV light dries the ink instantly.

Lamination unit. A flat bed laminator applies a laminate foil onto the personalised data page. The foil is processed from roll to roll.

ImagePerf® unit. The holder's photograph is perforated through the data page with a laser. This security feature called ImagePerf® authenticates the original photograph. ImagePerf/VLI® and ImagePerf/TLI® are available as options and offer even more security. A second ImagePerf module can be installed for extra speed.

Laser engraving unit. Personal data is laser engraved into the laser sensitive data page. The engraving unit can contain 1 to 5 engraving heads, depending on the required speed and functionality. Each laser head uses a camera to align the data. An MLI feature is optional.

NumberPerf® unit. The passport number is perforated through the visa pages and back cover with a laser. This security feature called Number-Perf® prevents page swopping. The number can contain up to nine digits and can be positioned on the top or bottom of the page.
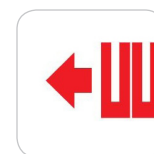
Additional inkjet printing unit. A separate inkjet printing unit is available for simple black text on page 3.

Verification unit. 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 are sent to the reject or rework bin.

Labelling unit. A label containing personal text, number and barcode is applied on the back cover of the passport. This simplifies the logistic downstream process.

Output unit. The finished books are rotated spine up or down for easy counting and conveyed to the output tray. The system stacks the books ten by ten. A double output tray is available for extra room or for sorting batches.