

# Once IAI Always IAI

IAI systems have never been replaced by competitor's systems. This is illustrated by several case studies, for instance in Switzerland.



**In 2002**, Swiss security printer Orell Füssli purchased a BookMaster system to apply an ImagePerf/TLI feature and number perforation in the Swiss passport. Personalisation was done on Datacard equipment.

**In 2003**, a second perforation system was purchased to keep up with growing demand.

**In 2005**, Orell Füssli bought two BookMaster One systems for the complete personalisation of the Swiss passport. IAI equipment replaced the Datacard systems.

**In 2010**, a third BookMaster One system was purchased to keep up with the growing demand for passports.

**Today**, the complete personalisation of the Swiss passport is done with IAI BookMaster One systems. Besides the National Passport, Swiss security printer Orell Füssli in Zurich also prints the Swiss banknotes and other valuable documents.

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iai industrial systems

*Tilt your expectations*

# Which IAI personalisation technologies are used in the Swiss passport?

The Swiss passport is completely personalised by IAI's BookMaster One system. This includes the following applications and technologies:



## Laser engraving

The photograph and personal data is engraved on the flexible polycarbonate data page.



## NumberPerf

A personal number is perforated through all the visa pages and the back cover.



## ImagePerf/TLI

The holder's photograph is perforated through the data page.



## Inkjet printing

Information is printed on the observation page in black ink.



## Chip encoding

All personal data is encoded in the contactless chip.



## Label printing

A barcode and personal data is printed on a label which is applied onto the back cover for easy identification of processed books.

## Project challenges

The Swiss Federal Police chose for a passport concept that included the ImagePerf security feature in 2002. At the time, IAI did not have a BookMaster One concept (all functionalities in one go) available yet. We supplied a BookMaster system to Orell Füssli, the Swiss security printer, that could apply the ImagePerf and NumberPerf feature. Laser engraving of the personal data was done on Datacard systems. The challenge for IAI systems was to read the applied data in the semi-personalised books, retrieve and perforate the accompanying data and verify whether the same information was perforated on the BookMaster system.

In 2005, Orell Füssli chose to have the entire personalisation done on IAI equipment. IAI had just developed its BookMaster One system that was able to perform the entire personalisation of the e-passports in one go. Switzerland was the first customer to order the new BookMaster system. Orell Füssli was also the first customer to replace their existing Datacard systems with the new IAI systems.

That this concept proved successful, is shown by the number of countries to follow, making the BookMaster One system our most successful system ever. Orell Füssli chose IAI's BookMaster One system yet again in 2010.



*The BookMaster One passport personalisation system*