Once IAI Always IAI

IAI systems have never been replaced by competitor's systems.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

In 2003, IAI delivered three BookMaster systems for the application of the ImagePerf and NumberPerf feature to BearingPoint in Ireland. Personalisation was done on equipment from Datacard.

In 2011, IAI delivered one BookMaster system for the complete personalisation of the Irish Passport, after one of the systems sustained considerable water damage due to a leak in the personalisation plant.

In 2014, the Irish Government will reissue its passports. The Passport Office has ordered two extra BookMaster One systems for the complete personalisation of the standard National Passport, the large National Passport, The Diplomatic Passport, and the Official Passport. The systems will be installed in the second quarter of 2014 and will replace all the existing Datacard personalisation equipment.

"IAI systems have never been replaced by competitor's systems"

iai industrial systems

Tilt your expectations

Which IAI personalisation technologies are used in the Irish passport?

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

Chip programming
All personal data is encoded in the contactless chip embedded in the data page.

Laser engraving
The photograph and personal data is laser engraved into the polycarbonate data page.

Inkjet printing
An inkjet printer can print black ink on page three of the passport.

ImagePerf/TLI
The holder's photograph is perforated through the data page. This includes a Tilted Laser Image, where the letters "IRL" are visible under different observation angles.
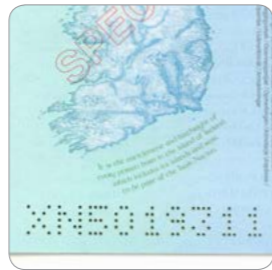
NumberPerf
The document number is laser perforated through all the visa pages including the back cover.

Verification
All the applications are verified. Rejects are sent to the Reject or Rework Bin.

Label
A label containing limited personal data and a barcode is printed and placed on the back cover of the passport. This enables easy identification in the downstreaming process.

Project challenges
The customer asked IAI to install the BookMaster systems during the peak season in passport personalisation. The customer decided that the risk of change-over during peak season was smaller than the risk of running the existing engraving systems any longer as they were afraid of malfunctions.

This means that the old systems need to be up and running during installation. IAI will make sure that the auxilliary equipment will support both the old BookMaster systems and the new BookMaster systems during the change--over.

The BookMaster One passport personalisation system