

Bangladesh ePassport

The project

As a flagship project in the country's ambitious plans to create a Digital Bangladesh, the Department of Immigration and Passports has undertaken an immense system upgrade that make its passport one of the most advanced identity documents available in the world.

The new generation ICAO compliant document is a machine readable and biometric ePassport that allows holders to travel to foreign countries. Bangladesh is the first country in South Asia to issue ePassports for all eligible citizens and the first in the region to adopt colour photos, using CLIP ID personalization technology by Veridos on polycarbonate data pages, along with a number of other cutting-edge security features. Veridos, a global leader in integrated identity solutions, partnered with the government to deliver this advanced passport system, combining innovation, security, and personalization at scale.

The choice done by Veridos for the personalization equipment for this project was a very tight contest. IAI was successful because of its strong reference base, the quality of the samples submitted and its ability to meet

an extremely challenging delivery time-line. IAI also had the unique advantage of being able to deliver the fully automated high-speed systems required to produce 5 million booklets per year.

"The first country in Asia to adopt colour passport photos, using CLIP ID technology by Veridos."

Project challenge

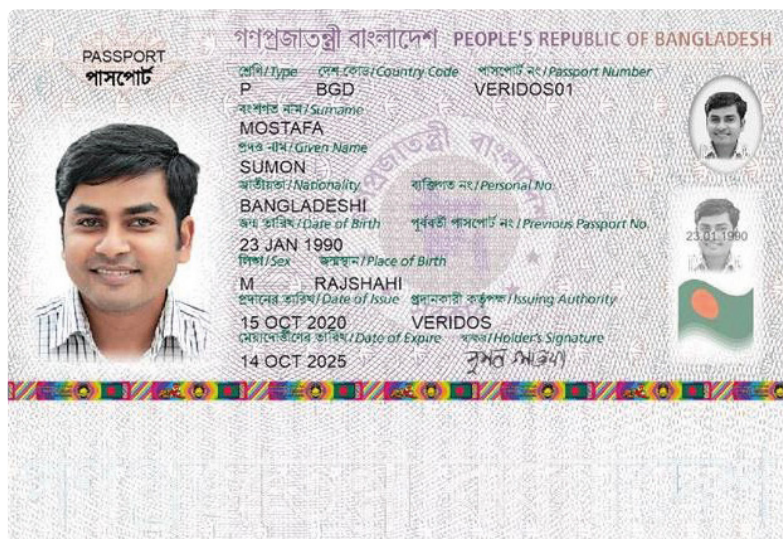
IAI had less than 24 months to deliver the machines to a new personalization and issuance centre in Dhaka for the next generation ePassports. This tight deadline included integration of CLIP ID, a secure laser engraving solution from Veridos that adds vivid colour photos to next generation polycarbonate identity documents, and integration with Veridos software suites. Starting deliveries in January 2019, IAI successfully commissioned all BookMaster® One systems in the new centre ahead of its launch in January 2020.

Soon after this the world was hit by the COVID-19 pandemic and Bangladesh imposed a lock-down on travel, suspending all international flights. To ensure business continuity, service and support, IAI stationed a fully trained engineer in Dhaka.



Which IAI personalisation technologies are used in the Bangladesh ePassport?

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



CHIP ENCODING

All personal data is encoded in the contactless chip.

LASER ENGRAVING

Personal data is engraved on the data page. This includes a Multi Laser Image (MLI).

CLIP ID

(Colour Laser Image Protected ID)

A Veridos unique technology, laser engraved high quality colour photograph in polycarbonate documents. The laser engraving process applies deep into the document substrate.

INKJET PRINTING

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

LABEL PRINTING

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

VERIFICATION

The applied graphical data is verified with vision technology. Cameras check whether the information is applied correctly. The electronic data on the chip is verified by the inspection system which compares the data from the integrated chip with the data received from the host computer.

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