

The background features a stylized globe with a grid of latitude and longitude lines. Overlaid on the globe are several semi-transparent images of passports, showing the word 'PASSPORT' and intricate national emblems. The Toshiba logo is positioned in the upper left corner.

TOSHIBA

Leading Innovation >>>

TOSHIBA ePassport Printer

TOSHIBA CORPORATION

July 2013

Reference

Toshiba won Japanese MoFA tender for next generation (5th) passport printer.
Operation starts in 2013.

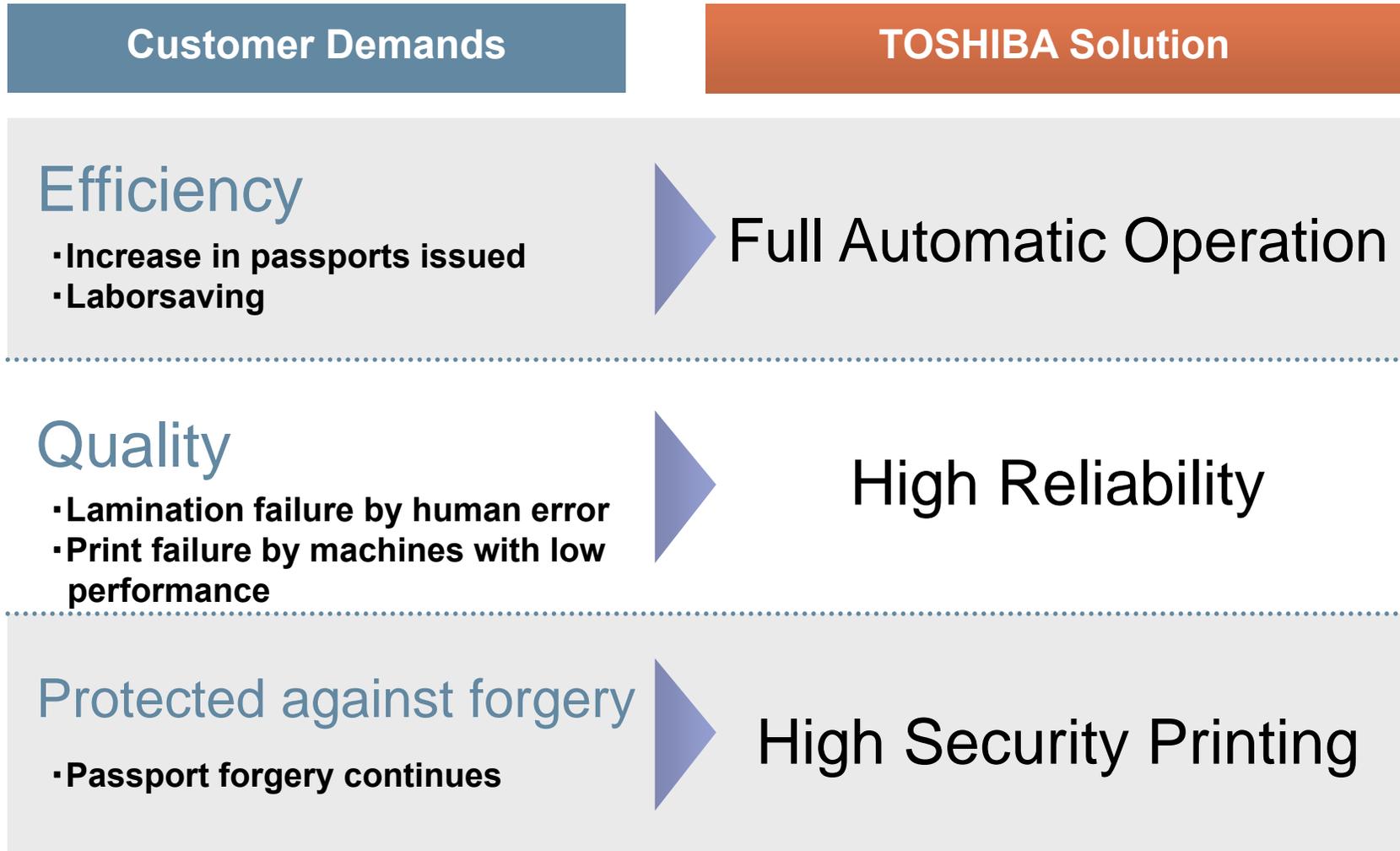
Toshiba has supplied more than 1,000 state-of-the-art passport printers to the government of Japan in the past 20 years issuing 4 million passports and has established a firm reputation for reliability

1992-1994	1995-1997	1998-2004	2005-2013	2014-
1st generation	2nd generation	3rd generation	4th generation	5th generation
206 printers	184 printers	224 printers	442 printers	Approximately 400 printers
start of MRP	start of 10-year passport	new security added	start of ePassport	Operation starts from late 2013

Other Reference

Toshiba has supplied 34 printers to Libya in 2008.

TOSHIBA's Solutions for Customer Demands



Full Automatic Printer P460

ePassport Printer *P460*

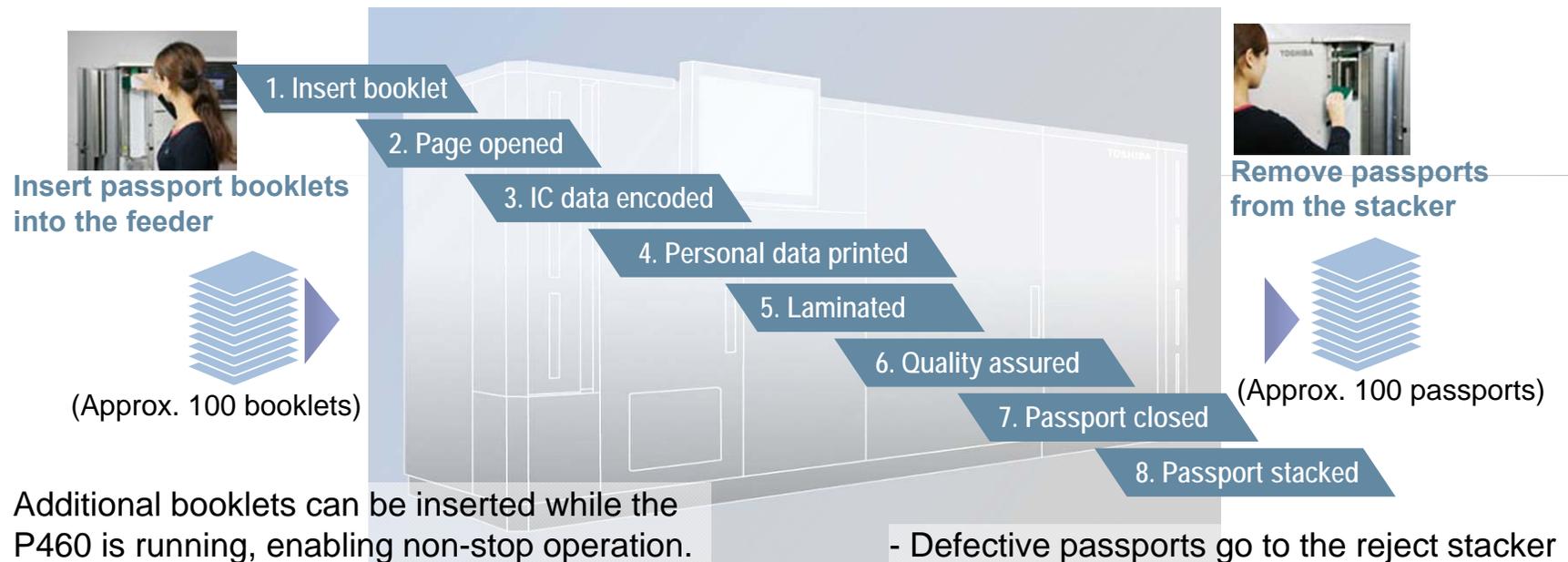


Full Automatic Operation

User-friendly

Simply insert 100 closed passport booklets into the feeder.
Then remove the closed personalized passports from the stacker.

Full Automatic Operation enables operators to manage multiple printers at once, or to focus on other tasks while the printer is running. P460 realizes efficient operation and reduces human error.



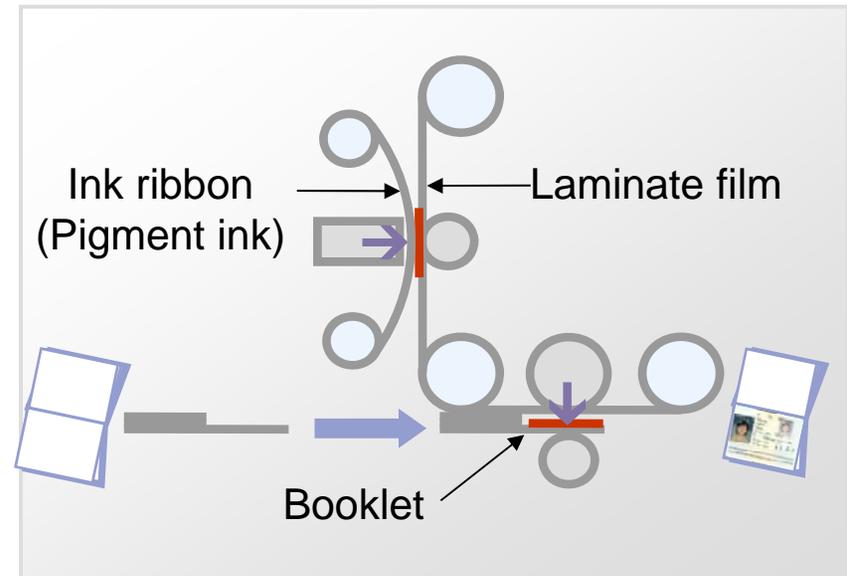
High Security Printing

Indirect Thermal Transfer Printing

Our unique printing technology allows us to produce passports with excellent print quality and durability, providing the capability of processing a wide variety of booklets.

The printer prints reverse images onto a laminate film.

Then the printed laminate film is fused onto the surface of a blank booklet with heat and pressure.

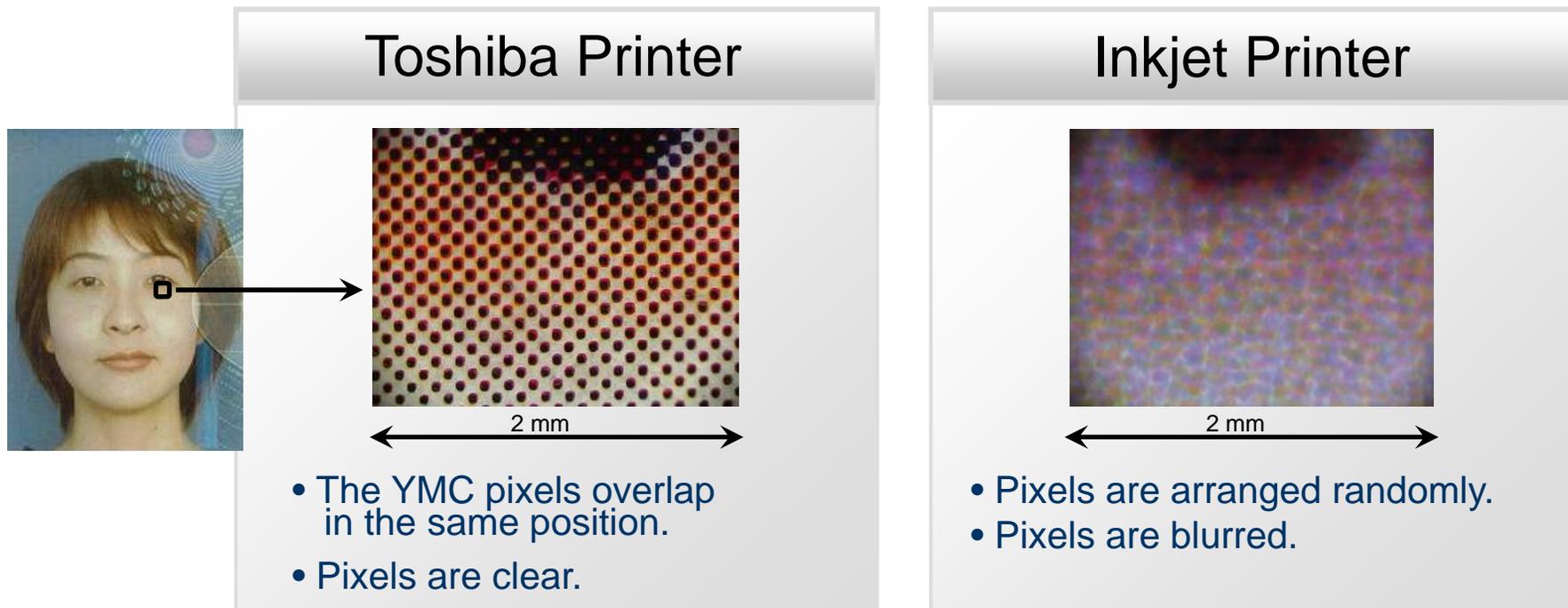


Indirect Thermal Transfer Printing makes possible to put variety of security features and prevent forgery.

High Security Printing

Full Color Printing --- Unique Pixel Printing

Compared to inkjet printers, the pixel arrangement is unique. The pixels make it easy to check a passport by using a standard magnifying glass.



The image compares two printing technologies. On the left, a photograph of a woman's face is shown with a magnifying glass over her eye. An arrow points from the magnifying glass to a 2 mm square area of a Toshiba printer's output, which shows a regular, overlapping grid of small, clear dots in yellow, magenta, and cyan (YMC). On the right, a 2 mm square area of an inkjet printer's output is shown, which displays a random and blurred arrangement of the same colors.

Toshiba Printer

- The YMC pixels overlap in the same position.
- Pixels are clear.

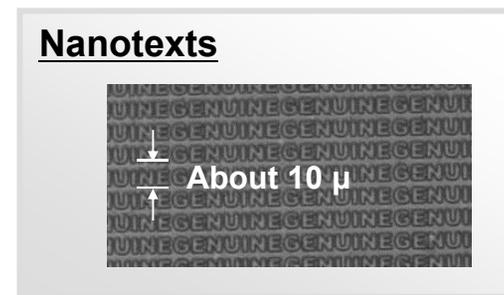
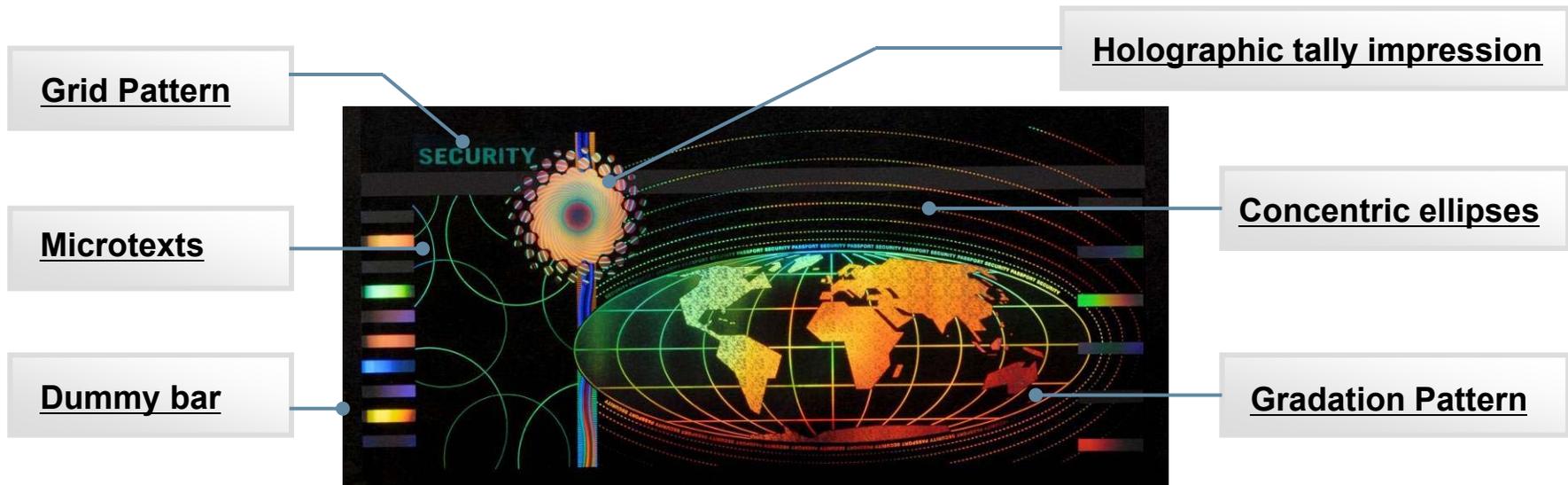
Inkjet Printer

- Pixels are arranged randomly.
- Pixels are blurred.

High Security Printing

Hologram

The latest advances in hologram technology enhance security.



High Security Printing

High brightness 3D-CGH (New Feature)

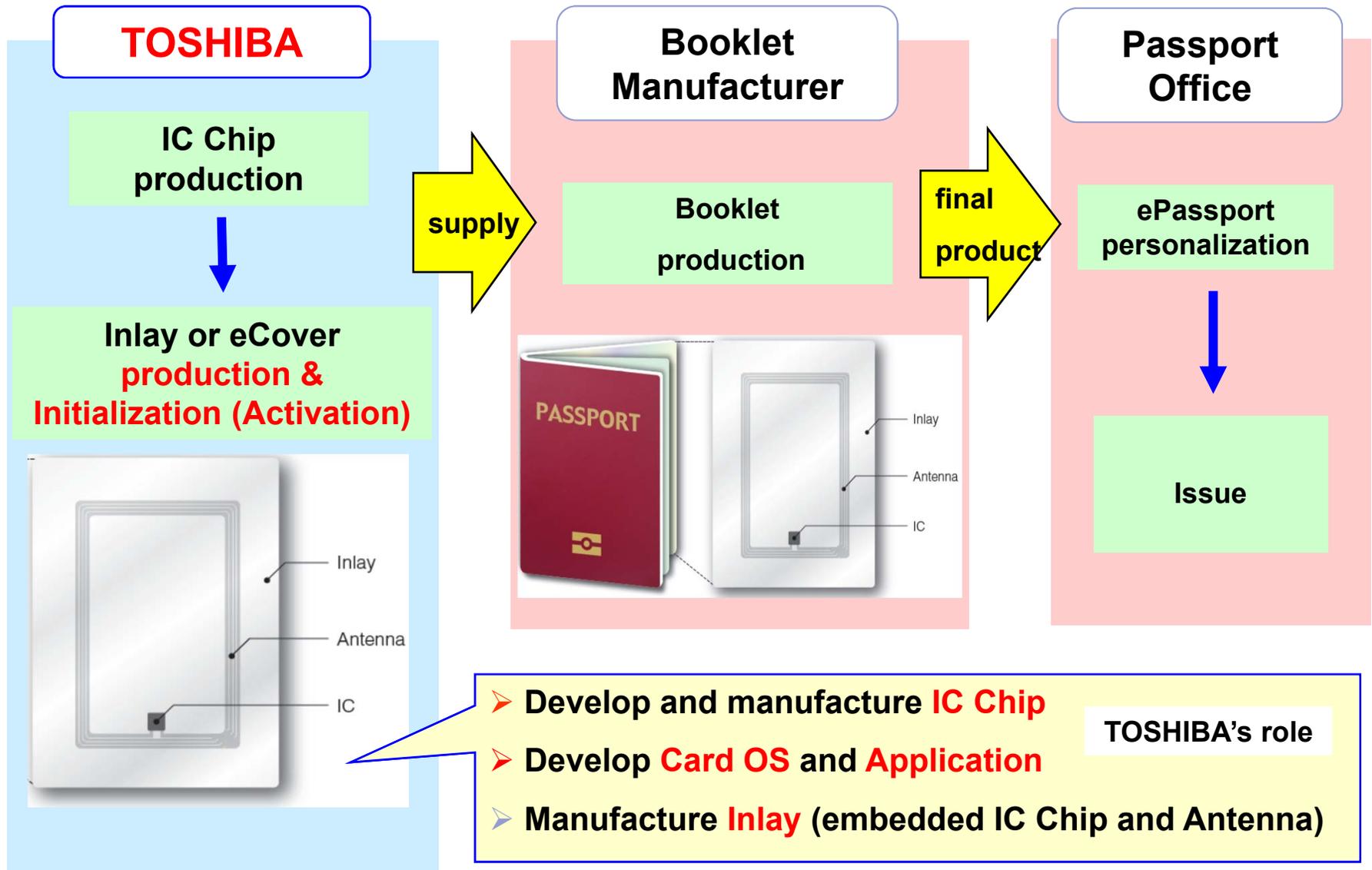
This hologram has higher brightness by special work in embossing process of 3D-CGH.

- Far greater brightness of 3D-CGH (two times brighter than conventional hologram)



Microtext “VALID”
behind the letter “I”

IC Chip / Inlay / eCover



Reference of IC Inlay / IC Chip Module

ePassport IC Inlay

- TOSHIBA is supplying ePassport IC Inlays to the National Printing Office.

The total number of units shipped from 2005 to 2012 is 14 million.

Other Smart Card

- TOSHIBA is supplying IC modules of banking card in Japan and other countries.

The total number of modules shipped from 2001 to 2012 is over 110 million.

- TOSHIBA is supplying IC modules to the major Broadcasting and Telecommunications organizations in Japan.

The total number of modules shipped from 2000 to 2012 is over 70 million.

TOSHIBA is well experienced in supporting customers, with establishing original specifications and standards!

Summary

Toshiba supplies solutions that will make your passports more secure and your operations more efficient.

ePassport Printer **P460**



- **Full Automatic Operation**
Operators simply set closed booklets, and remove closed personalized passport.
- **High Reliability**
Reduces waste booklets and costs
- **High Security Printing**
Unique pixel printing, Microprinting, Fluorescent printing, Hologram, etc.

ePassport Printer **P410** (manual feed type) is also available.

- Automatic Operation
- The same secure ePassport as the P460 personalize.



ePassport Related Solutions are also available.

- IC Chip / Inlay / eCover
- Face Recognition System for Enrollment and Border Security

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