



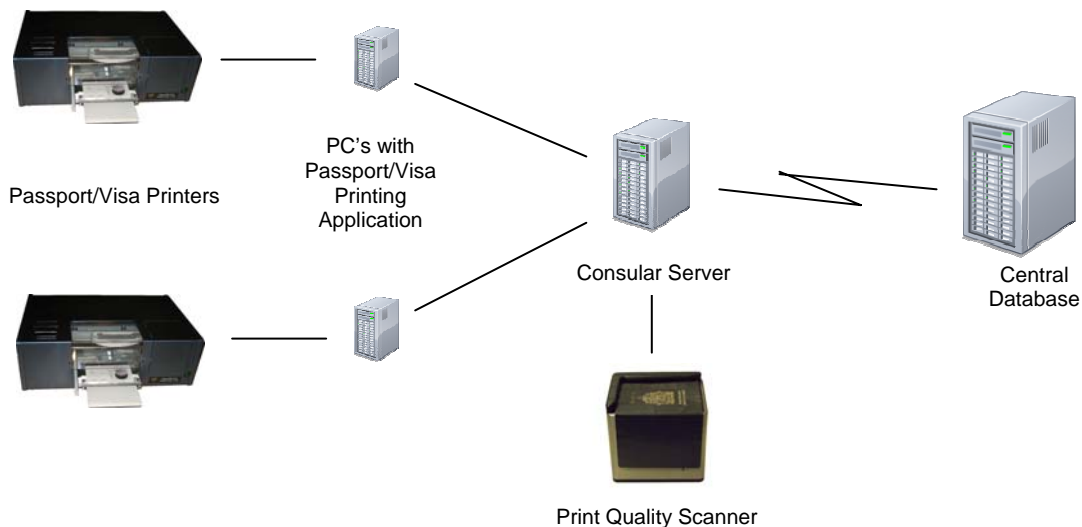
## Rogue DNA Consular Passport/Visa Printing Systems

The printing of replacement passports in embassies/consulates has long been the weak link in issuing secure passports. This is because it's not been possible to include the same level of security features in small printing systems as in centralized ones. Rogue DNA's consular passport/visa printing systems now offer the ability to issue fully secure replacement passports. At the same time they can also be used to print entry visas in any passport booklet or single sticker.

The system is generally configured to include the following:

- Two front-loading 4110 passport/visa in booklet or single sticker printers
- One 6330 Quality Control scanner with specialized QA software & capabilities
- A fully-internationalized software application to control the printing and QA
- Integrated software interface to enable back-end communications

All of the above are designed to work seamlessly together. The whole system is plug-n-play and can be install and integrate into a consulate and easily set up. Details of individual elements of the system are as follows:



### 4110 Passport/Visa Printers

The 4110 printer is specifically designed to print in-book. The booklet is fed in via a front-loading feeder tray. Once sensors detect that it's correctly positioned the tray can be drawn into the printer where a second set of sensors ensure that it's precisely in place. The software application can then print the personal details page or a visa. Print options include the ability to use ultra-violet and infra-red inks as well as visible inks. Security inks can be printed simultaneously if required. If the booklet is an electronic passport an optional RFID writer can save the personal details on the chip after printing the data page or Visa. This conforms to International Civil Aviation Organization (ICAO) standards.



4110 Series Printer

The feeder tray has been designed to accommodate a thickness of up to 120 pages so a visa can be printed on any page. The time to print a data page on standard resolution takes less than 20 seconds

Once the page has been printed the tray and booklet are ejected. While this is happening a combination of security lights illuminates the booklet so that a visual check can be made that the content has been printed correctly. A Plexiglas panel is incorporated in the top of the printer to enable visual inspection and control.

At each stage the current status is displayed on the printer LCD screen.

### **6330 QA scanner**

This highly-advanced scanner (the smallest in the world) has the ability to automatically verify that the personalized data was printed correctly. The camera reads the page after it has been printed, and matches the content against a template. It compares the printed content (visible, UV, and IR) against the standard for the passport in question. If the actual content doesn't match this is immediately notified to the operator, who can check the ink and alignment levels to ensure that the passport can be reprinted correctly. This provides the best possible quality assurance.

When printing a visa in a booklet the visa number, validity period and associated dates can be printed as part of the visa. This is logged within the system so there can be no discrepancy between the electronic record and the passport.



6330 Quality Control Scanner

### **Features of the Rogue DNA Consular Passport/Visa System**

- The front-loading printers and QA scanners are the most modern available
- High quality, highly reliable, Canadian-manufactured hardware and software
- Same security printing features as centralized passport printers
- Fully ICAO compliant RFID capabilities
- QA facilities include visual and electronic verification
- Customizable to individual country requirements
- Application is fully internationalized
- Integrated system is straightforward to install and operate
- Full support available to advise/assist with integration with existing central system

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