





 Five detection technologies, ensuring that we will detect 99.99% of all counterfeit currency.

 Detection methods include: Infrared, Ultraviolet, Magnetic Thread & Ink, and Optical Dimension

 Comprehensive detection, 5-way methodology for 20 countries.

 Update the detection program from a computer whenever new bills or detection data become available.

 Each scanner can be programmed to detect all bills from 20 countries.

The Currency Authentication System is a counterfeit detector that provides the maximum security in fake bank note detection. The system has an embedded micro controller, IR-UV-Magnetic plus metal thread detectors and an optical sensing mechanism. IR & UV sensors enable it to check any kind of counterfeits and to verify the authenticity of banknotes.

Infrared & Ultraviolet Sensors

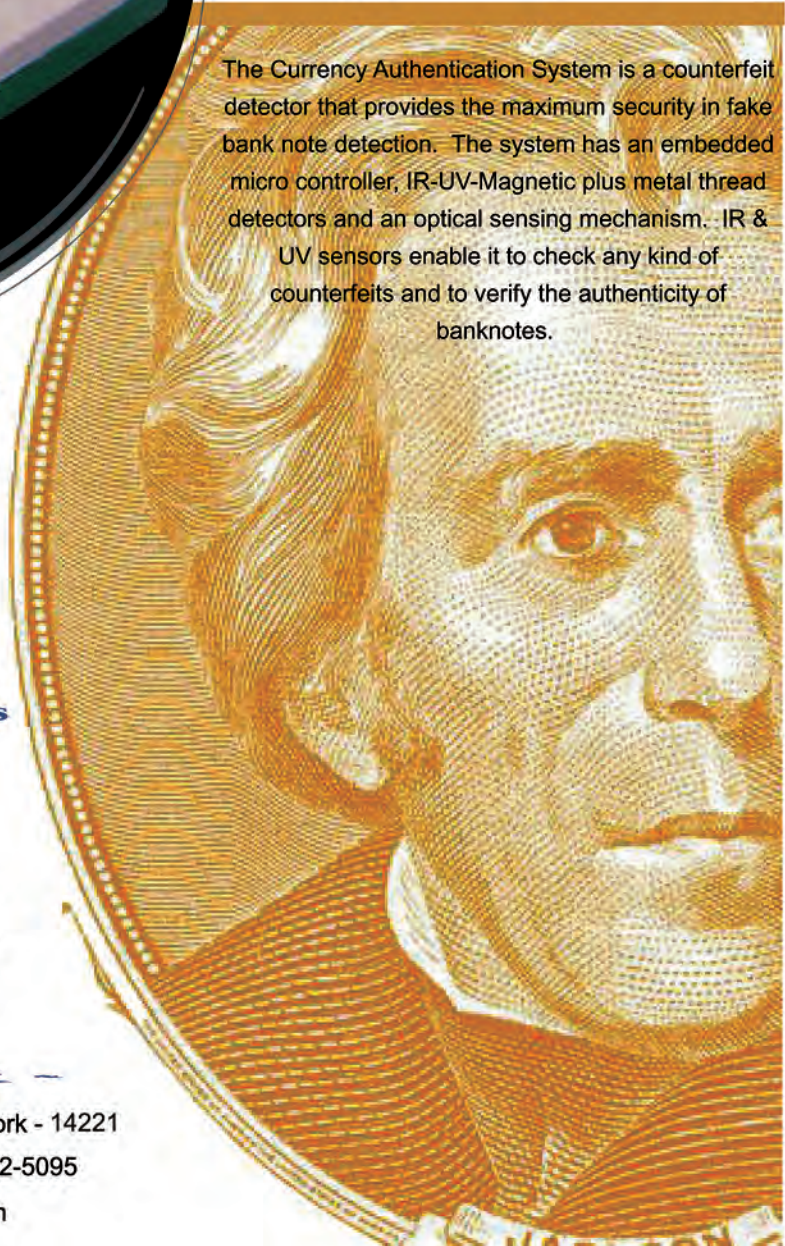
The analysis of the banknote is made with an array of sensors. The amount of IR light that passes through the currency is sensed using IR sensors and the amount of UV light that is reflected by the currency is sensed using UV sensors. These frequencies are invisible to the human eye, hence this forms the basis of comparison of the hidden images in a currency note. When comparing these parameters with preprogrammed reference templates, the machine easily determines if the banknote is genuine or

Magnetic & Metal Thread Detectors

"Non-contact" type magnetic plus metal thread detectors determine the presence of magnetic ink.

Optical Sensors

As the banknote passes through the device, three optical sensors located in the sensing chamber determine the exact length of the note. They are also used to determine possible sources of error (bad introduction of the banknote into the machine, jamming, etc.)



FUTURE UPGRADES

Keep one step ahead of the counterfeiters. Depending on the specific needs of the machine users or the release of a new range of banknotes, the machine can be updated by connecting to a computer in order to download the new parameters of detection. Downloading can be local or online via a secure internet link.

WHERE TO USE

Casinos
Department Stores
Gas Stations
Malls
Banks
Post Offices
Money Exchangers
Night Clubs
Large Theme Parks



KEY FEATURES

Portable & Compact Size
Detection speed of 0.8 seconds per note
5-way detection mechanism
Software upgrade through serial port
Detection of currencies of 20 countries in a single machine

PRODUCT FEATURES

Detect counterfeit currency
Genuine currency pass through
Counterfeit currency ejects
Open / Close top cover
RS 232 port for computer connectivity
Green LED indication for genuine currency
Red LED indication for counterfeit currency
Adjustable guide for different widths of currencies
IR, UV, Magnetic plus metal thread detectors and optical dimension detection
High efficiency & more accuracy
One year warranty

SPECIFICATIONS

Size	218 x 317 x 114 mm
Weight	1.7 kg (3.75 lb)
Power Supply	110 V or 230 V (50 Hz)
DC Voltage	14 V
Consumption	Maximum 10.5 watt
Speed of Detection	0.8 seconds per note
Operating Temperature	0 - 50 degrees C
Humidity	up to 95% r.h.
Currency Feeding	Single note at a time

