

Galaxite Presents: ATMs & ATM Security Systems



Galaxite solutions





INTRODUCTION

Our vision is to be a leading supplier of all ATM Self-services, security and related equipment to the banking industry.

We focus on the provision of ATM, ATM security and other self-service banking equipment services ranging from design, manufacture, deployment, servicing, consulting and project management. GALAXITE leverages its network of alliance partners to deliver turnkey service offerings. Through its understanding of customer requirements, GALAXITE leverages its network of partners to assist in the sourcing , design, prototyping, manufacture, transportation, installation and maintenance of customised solutions.

GALAXITE applies proven design and project management methodologies to ensure delivery of projects on time and within budget. GALAXITE has experience to properly size a project and acquire the needed resources to ensure quality and time deliverables. Project size varies considerably, from one-off installations to be replacing entire ATM networks.

Scalability to adequately support any size project is a key success factor for GALAXITE

GALAXITE services include the following:

- ATM and other specialized self-service equipment installations
- ATM Security
- ATM refurbishment and upgrades-NCR, Diebold and Wincor models
- Supply of refurbished ATM's NCR, Diebold and Wincor models
- ATM parts repairs and supply
- Design and manufacture of ATM Surrounds
- Design and manufacture of ATM Drop Down Containers
- Design and manufacture of safes, vaults and related physical security equipment
- Design and manufacture and installation of signage equipment
- ATM equipment warehousing
- Asset disposal
- Equipment transportation
- Equipment customization - decals, resprays etc.
- ATM security enhancements - safe and card reader modifications
- ATM installation project management - End to end project management, site preparation to ATM commissioning

WHAT MAKES US DIFFERENT?

- Our understanding of delivery needs of retail banking ATM and self- service operations
- A comprehensive project management service for all self-service automation requirements.
- The combined skills of our building, joinery and electrical divisions offer a truly seamless, tailored solution to your requirements.
- Specially trained, dedicated mobile installation teams allow us to offer complete coverage.
- Competitive pricing
- Superior quality and service
- Turnkey service offering
- HSSE Accredited

Clients we currently service as a one stop shop are:

- Standard Bank South Africa and Africa
- ABSA
- Capitec
- Nedbank

Other Clients:

- Spark
- ATM Solutions
- Diebold
- uBank

The Staining System

VALUABLES AND DOCUMENT DYE STAINING

The dye is an inert indelible liquid which cannot be washed off or bleached out. It has been specifically manufactured for the staining of banknotes or documents in the event of robbery or theft.

Liquid Discharge Tube

This Liquid Discharge Tube has been designed to release a liquid in various types of containers in order to cover as much of the contents as possible within a very short space of time. This system has been specifically designed to have no pressure in the Discharge Tube until activation



The Staining System

Passive CPS (Cash Protecting System) System

Outline

The idea behind the CPS Passive System is a non-electronic/static solution to protect bank notes in ATM canisters in the event of an explosion.

The bottles are designed to be strong enough to withstand normal everyday use and only deploy the dye if and when there is an attempted robbery by means of an explosive device.

The custom designed bottles are constructed of HDPE and are positioned inside the ATM canisters, replacing the existing guide rails in the lid.

They do not interfere with the operation of the ATM or dispensing of the bank notes.

The ink is supplied by SICPA South Africa and approved by the South African Reserve Bank for use.

Material Safety Data Sheet is available on request.



TYPICAL CIT APPLICATION SHOWING DYE DISCHARGE TUBES

The Staining System

Passive CPS (Cash Protecting System) System

Installation of the bottles:

The existing guide rails are removed from the canister lid. Four clip in brackets are put into place to hold the bottles. The prefilled ink bottles are placed in the canister and screwed onto the clip in brackets. Warning decal to be placed on the canister.

This can be done in the factory or on site and the following is supplied as a complete solution on initial installation:

- Bottles including the ink
- Clip in brackets
- Warning or awareness decal to be placed on the:
 - Canister
 - Rear of ATM
 - Front of ATM
- Personal Protective Equipment (PPE) kit including the following as per the MSDS:
 - One pair of Anti-splash goggles
 - One pair of Nitrile gloves
 - One Single cartridge respirator and cartridge
 - One Disposable apron
 - Material Safety Data Sheet (MSDS)
- Awareness and handling training

The Staining System

Passive CPS (Cash Protecting System) System

Life Span

Due to the corrosiveness of the ink, the ink, seals and bottles have a limited life span and will need to be replaced within 2 years of installation to avoid leaking and damages to the notes and canisters



**ATM WITH MCP ATM
M6 DEFENDER INSTALLED**



**ATM CASSETTES WITH
DYE TUBES INSTALLED**



**ATM CASSETTE
AFTER ACTIVATION**



**OPTIVA ATM CASSETTE
AFTER ACTIVATION**



**NCR ATM CASSETTE
AFTER ACTIVATION**

The Staining Active System

Anti-Bandit Active CPD System

Basic Outline:

Anti-Bandit is a Self-standing electronic protection system for ATMs, safes, strong rooms or similar high security devices. It protects the safe and contents against physical attack, for example, grinding, drilling, cutting torch, hammer, etc. The setup of the device is fully customisable from system monitoring, types of attack and types of devices activated for protection and notification sending to authorities.



The Staining Active System

Anti-Bandit Active CPD System

System components:

Control box and integrated UPS with self-health monitoring.

Anti-tamper monitoring as required. Can be fitted outside, inside or inserted in the walling at time of manufacture.

Electronically deployed protection devices and communication as required by customer.



SAMPLE OF STAINED MONEY

The Staining Active System

Anti-Bandit Active CPD System

Example of application:

In the case of a safe/atm it is protected by enclosing it with a continuous and or non-continuous electronic circuit (normally open or normally closed). This means that the safe could have all 6 sides cladded with the circuit. It could also mean that only 1 side of the safe is cladded, this is determined by the customer needs.

When an attack takes place by means of a grinder, blow torch, hammer or any other instrument, the electronic circuit will either be breached or connected and the sensors on the control panel will be triggered, which in turn will activate the deterring system/s. For example, when the safe of an atm is breached the controller will activate the protection devices.

In this case Ink Dye Stain which will be deployed into the money canisters and the deposit/recycler unit. The controller will also prevent the ATM from dispensing dye stained notes and send a distress notification via the alarm system.



STINGRAY



STINGRAY AFTER ACTIVATION

The Staining Active System

Anti-Bandit Active CPD System

Example of application:

The dye stain will be deployed into the money canisters by means of dye containing cylinders, which will channel the dye through a piping system and connectors.

The dye is deployed into the cash canisters.

The connectors are either fitted on the safe door or additional manufactured door which is positioned in front of the safe door.

The door is design to not interfere with normal operating and servicing of the ATM.

Each canister is fitted with a male pressure connector and spray pipe.

The door has the female pressure connector; this could be reversed if required.

The pressure fittings are manufactured in such a way that they self-locate and is spring loaded to ensure the necessary pressure/force is applied to ensure a leak proof seal.

The system is constantly on and does not need to be shut down or deactivated to replenish the cash in the ATM



The Staining Active System

Anti-Bandit Active CPD System

Examples of protection devices:

The system can activate the below devices, but is not only limited to the list as full customisation is possible based on the clients' needs:

- Ink Dye Stain
- Smoke Cloak
- Siren
- Strobe
- Alarm
- Cellular notification of activation
- Polyurethane foam
- Main power cut off
- Etc.



OCTOPUS BOXES LOADED



OCTOPUS AFTER ACTIVATION



OCTOPUS - STAIN RESULTS



Galaxite solutions

Products We Supply and Manufacturing

- Design, manufacture of ATM Drop Down Containers





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Retail Machines



IN STORE - RETAIL UNIT



IN STORE - RETAIL UNIT





Galaxite solutions

- Design, manufacture of ATM Drop Down Containers





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KIOSKS



IN STORE - KIOSK





Though our network of partners we have the competencies, abilities and determination to execute such projects.

We are confident that we are able to tailor a turnkey solution that will benefit the Bank in the long term.