

Note Staining Kit

TMD Security's Note Staining Kit (NSK) is the only effective protection against the growing number of ATM gas and solid explosive attacks. These explosive attacks not only result in cash losses and collateral damage but are also a serious risk to human lives.

Today's security solutions do not solve the global problem of explosive attacks. Heavy safes mean that criminals bring more and more explosives – even the strongest safes get blown up. Also, ink-staining systems that serve as a deterrent by 'spoiling the prize' react too slowly and are destroyed by the explosion before they have time to activate.

NSK's 'game-changing' shockwave technology is specifically designed to instantaneously rupture on explosive impact and effectively stain the notes inside the cassettes, rendering them worthless.

Explosive attacks increasing and spreading fast

ATM gas and solid explosive attacks are not new. What is new is the recent rise in the number of these attacks, and the speed with which they are spreading. The European ATM Security Team (EAST) reported 988 explosive attacks in 2016 in Europe alone, a 47% increase over the previous year. While approximately 80% of these attacks are gas attacks, the number of solid explosive attacks is rapidly becoming an even more serious global problem.

Until now, no effective solution

The ATM industry has constantly been searching for solutions to the problem of explosive attacks, but with no success. For example, heavier safes were used to protect the cash against an explosive blast. However criminals are persistent and bring more and more explosives. This results in increased collateral damage and an even greater risk to human life.

These failed security attempts also include ink-staining, which is used as a criminal deterrent to neutralise the value of the notes in an ATM attack, 'spoiling the prize'. The problem is that the detonation velocity of all commonly used explosives is so fast that today's attack-detection based ink-staining systems are destroyed before they have time to react and stain the notes.

Proven to successfully defend against ATM bombings

NSK has been installed in more than 70,000 ATM cassettes in South Africa by major ATM deployers and the number of explosive attacks has reduced dramatically.

New NSK shockwave technology instantly stains notes in an explosion

NSK is different to all other ink-staining solutions because it is a passive solution that is ready and waiting to instantly rupture and effectively stain the notes with ink on the shockwave impact of a gas or solid explosion attack.

No risk of false activations

NSK does not rely on detection sensors to activate the release of ink. The ink containers rupture and release the ink on explosive impact which means that there is no risk of false activations.

Maximum security

Since NSK does not rely on any sensors, and there is no electronic component, there is no risk of the solution being disconnected or tampered with, and the ink will always be activated on explosive impact.

Tested and approved for note staining

NSK has been approved by international industry testing authorities. NSK is proven to stain 100% notes in the cassette, with a minimum of 10% of each note stained. NSK also meets ink-based IBNS solution indelibility requirements.

Works with all note types

NSK effectively is proven to effectively stain all bank note types, including polymer notes.

Complete Reliability

NSK provides peace-of-mind because it is always ready for activation and is not affected by external influences such as weather or temperature; nor is it affected by power shortages or battery life.

Built-in anti-tamper

NSK's ink containers have a seal around the cap which is a visible means of ensuring that the containers have not been tampered with. Also, fitments are available with optional one-way screws to prevent illegal bottle removal.

No impact on servicing or CIT processes

NSK is a passive solution with no electronics or sensors and does not impact authorised servicing or replenishment. The seal around the cap on the ink containers also means that there is no risk of leakage.

Can be retrofitted into all cassettes

NSK is available for all major ATM cassette models.

No impact on cassette capacity

The integration of NSK into the cassette does not affect the bank note capacity of the cassette.

No health and safety concerns

NSK comes with standard safety guidelines.

Cost effective and low maintenance

Since NSK has no complicated electronics, it is the most cost effective, proven defence against explosive attacks in the industry today with no maintenance requirements and associated costs.

Optional taggants and IR markers

NSK ink options include customised taggants and IR markers for use in forensic investigations and incident tracking.

Features and benefits summary

- The only proven defence that effectively works in gas and solid explosive attacks
- New, patented NSK shockwave technology instantly activates ink staining on explosive impact
- No dependency on sensors results in maximum security and no false activations; built-in anti-tamper
- Approved and tested by international industry testing authorities for ink staining effectiveness and indelibility
- No impact on servicing or replenishment; no health and safety concerns
- Cost effective and low maintenance; can be retrofitted into all cassettes with no impact on note capacity
- Optional additional security features such as taggants and IR markers
- Works with all bank note denominations and types including polymer

Company Profile

TMD Security

TMD Security is the global leader in anti-skimming solutions for ATMs and SSTs. Our core CPK technology is used by the world's largest ATM deployers and financial institutions and our portfolio now also includes innovative new physical security solutions.

Contact

TMD Support
Randstad 21 – 39
1314 BG Almere
Netherlands
Phone: + 31 367519400

ATMprotection@tmdsecurity.com
www.tmdsecurity.com