ICSD™

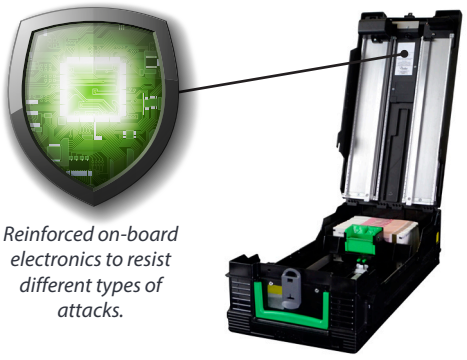
Oberthur Cash Protection has developed the ICSD™ (In-Cassette Staining Device) to protect banknotes inside the ATM cassette against any physical attack, such as: explosions (gas / solid), ram raids, illegal opening, theft (removal) etc. All possible cassette functions (modes, activation sequences, etc.) are programmed within the cassette and managed by the Security Control Module (SCM™), allowing clients to use the same pool of ICSD protected cassettes at any location and at any time.

- Multi ATM vendor compatibility
- Multi currency compatibility
- Easy and reliable operation
- Effective and proven crime prevention method
- High banknote staining performance
- High security ink
- Modular design

SPECIFICATIONS

ICSD™ (Component integrated within the cassette lid)

- Extremely fast and effective staining
- High security ink including infra-red marker
- Multiple sensors (temperature, 3G, acceleration, tilt, etc) to any physical attack
- No non-reversible modification of the cassette
- User-friendly status indicators (LED, buzzer)
- Makes NO use of any explosives
- Enhanced electronics system



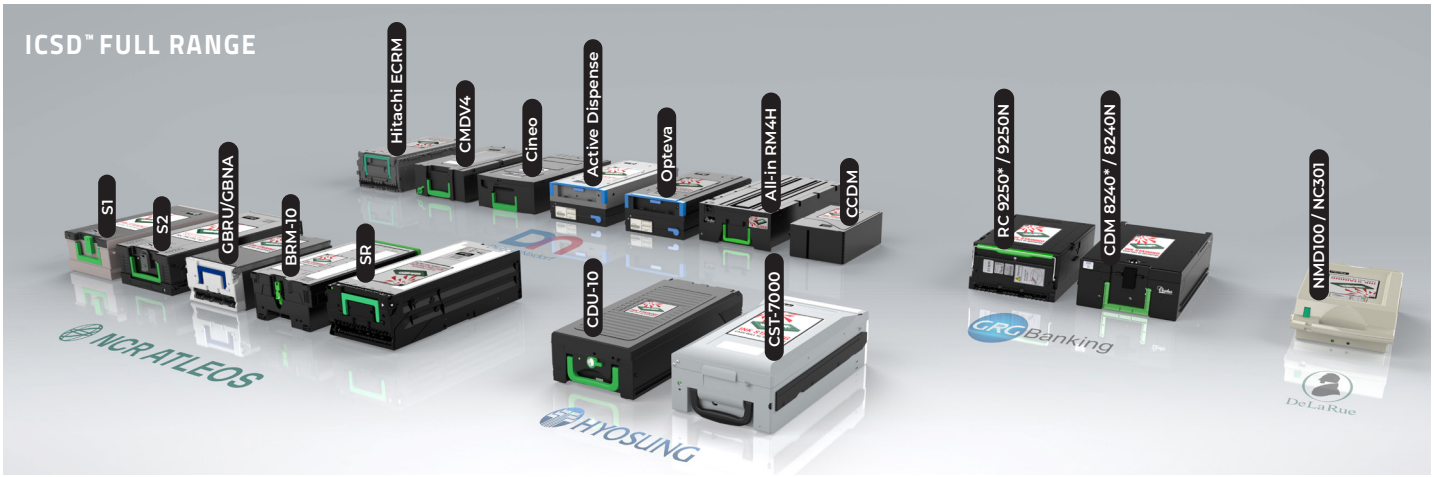
Reinforced on-board electronics to resist different types of attacks.

	Compatibility	Banknote substrate	Dimensions
In-Cassette Staining device (ICSD™)	NCR Atleos, Diebold Nixdorf, Hitachi, Fujitsu, Hyosung, Glory, GRG, etc..	Compatible with any banknote substrate (cotton, polymer or combination)	Integrated within the cassette lid. Designed to prevent loss of loading capacity

SCM™ (Component installed inside the ATM)

- No modification of ATM required (will not invalidate ATM warranty)
- 1 x SCM per ATM
- Automatic detection of ATM's door opening to change security mode to loading/ maintenance
- Flexible I/O bus to add peripheral devices (gas detection, dispenser circuit breaker, etc
- Backup battery

	Communication protocols	Power	Dimensions
Security Control Module (SCM™)	I2C, RS232, I/O	12V or 220V	23.5 x 263 x 107 mm (w x l x h)



*Not pictured

HIGH SECURITY INK

- High staining performance : 100% of banknotes and 20% of surface area of each note
- Fast ink staining response (milliseconds)
- High security ink :
  - including infra-red marker
  - cannot be removed (truly indelible)
  - tested and independently certified to meet international standards
  - non-hazardous (health and safety)
  - stained notes can be traced for ownership recognition

Oberthur Cash Protection

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