

# Patented SSD Erasure Method: Features & Benefits

Patent No: 9286231



## Detect

Ensure all SSDs are securely erased, regardless of make or model, using the same approach.

- Firmware Level Erasure: Leverages essential internal erasure commands to sanitize SSDs, including Block Erase and Cryptographic Erasure
- Includes multiple random overwrites, freeze lock removal and full verification
- Utilizes all supported SSD security protocols
- Ensures all steps are performed and completed in proper order through an automated process
- Prevents any compression or deduplication mechanism from being applied by SSD controller
- Fills the whole logical capacity of the drive with a random data stream
- Uses truly random/uncompressible data, not merely a repeating bit pattern
- Ensures data is written across the full logical capacity of the SSD (and not just compressed) with double pass overwrites



## Erase

Allow your organization to handle SSDs in the same manner as HDDs, with the desired through-put and configuration.

- Available as stand-alone software (Blancco Drive Eraser) or installed on hardware (e.g., Blancco E800)
- Interface agnostic, covering all common SSD interfaces (including SATA, SAS, eMMC and NVMe)
- Enables access to key internal SSD security features, which are necessary to ensure total and immutable erasure



## Verify

Read the entire drive to verify that no data has been left behind.

- Ensures operational validity of the drive
- Detects any anomalies in the erasure process
- Eliminates false positives



## Certify

Store reports that certify and prove secure erasure across all SSDs.

- **100% tamper-proof audit trail** through digitally signed certificates of proof of erasure

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