



VS

SDD MASTER

Maximum Security Hard Drive Degausser with our unique Data Destruction Auditor logging system.

Now, enhanced with an innovative option that empowers operators to take pictures of media before and after degaussing.

FEATURES

- Listed in the NSA/CSS Evaluated Product List ✓
- Accepted by the UK National Cyber Security Centre (formally CESG) as meeting the highest level degaussing standard - Top Secret ✓
- Self calibrating on every cycle ✓
- Degausses 3 times, delivering 2 tesla each time ✓
- Effective on longitudinal & perpendicular HDD's, up to 5000 Oe and backup tapes up to 3000 Oe ✓
- Simple one step automatic operation ✓
- Continuous Duty ✓
- **NEW** - Option offering visual JPG media images ✓

DDA Software Reports Include:

Processing Company ✓	Degausser Model & Serial No ✓
Media Serial Number ✓	Operator/Supervisor Name ✓
Time and date ✓	Erase Gauss Level ✓
Pictures of the Media ✓	Pass / Fail Result ✓



Our Promise:

- Two Year Warranty, extendable on request ✓
- Lifetime Technical Support ✓
- A trusted brand - Innovators and manufacturers of data destroyer solutions for over 30 years ✓



INTRODUCTION

The **SDD Master** is a high energy, pulse discharge hard drive eraser, designed to offer complete and secure erasure of magnetic media to the highest level, including longitudinal and perpendicular recording hard drives. The **SDD Master** is also capable of erasing data storage media including; DLT, LTO, 8mm, DDS and more.

The Data Destruction Auditor records all operating and degaussing information which can be saved and printed, giving hard copy evidence of complete erasure for reporting and auditing purposes. Media erased is identified with an automatically printed self adhesive label with degaussed details, including media serial number.

The **SDD Master** generates the strongest erasure field of any degausser on the market - 20,000 gauss typ. The unique triple erase process ensures complete data destruction. Where security is of the utmost importance - users can quickly sanitize their Hard Drive without the need for disassembly.

With the optional Verity Systems DD Imager, the DDA software can even capture before and after visual images of the media and store them with the erasure records.



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REGULATORY COMPLIANCE

The **SDD Master** has been tested and evaluated by the NSA - an agency of the US Government, which is responsible for protecting US Government communications and information systems. The NSA publishes guidance on the sanitization (erasure), declassification and release of storage devices for disposal or recycling in the "NSA CSS Policy Manual 9-12, NSA/CSS Storage Device Declassification Policy Manual". Within this, the NSA publish the EPL-Degausser (Evaluated Products List - Degausser) Which specifies the current degaussers that have been evaluated against and found to satisfy the requirements for erasure of magnetic storage devices that retain sensitive or classified data.

UK Government National Cyber Security Centre (Formally CESG) has approved the use of products listed on the NSA Degausser Evaluated Product List to degauss to the higher security level - Top Secret.

Many Government Agencies are required to manage their data security to detailed Government specifications, which would require them to buy an approved degausser. Safe and secure data disposal is critical within the military, which is why the Department of Defence (DoD) also adheres to the guidelines outlined in the NSA CSS Policy Manual 9-12 for the destruction of classified material. In addition, if an organization is involved in managing highly sensitive or confidential information, such as financial, medical, educational, personal and legal information, they must be vigilant in how they deal with the disposal of such information and the use of an approved degausser would be highly recommended.

Security of data is also a legal requirement under the UK's Data Protection Act 1998 and the European Data Protection Regulation



THE DATA DESTRUCTION AUDITOR SYSTEM

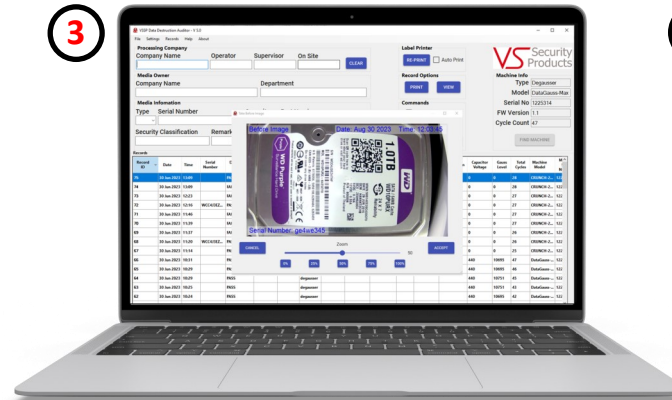
1



2



3



4

Media Erasure Certificate

✓ ERASURE SUCCESSFUL ✓

Record ID: 7 Date: 30 Aug 2023 Time: 11:43

Media Details

Serial No: WCC4J3E24THF
Part No: WD10PURX-84E5EY0
Type: HDD
Capacity: 1TB
Classification: HIGH
Remarks: FAULTY

Media Owner

Company: VS Example 2
Department: Sales

Destruction Details

Capacitor Voltage: 440 V
Magnetic Field Gauss: 10695
Result: PASS

Machine Details

Model: DataGauss-Max
Serial No: 1225314
Type: Degausser
FW Version: 1.1
Total Cycles: 55

Processing Company

Company: VS Example
Operator: Tom
Supervisor: James
On Site: Head Office

Before Image

Image of the media taken before the erasure process



After Image

Image of the media taken after the erasure process



- 1 Optional DD Imager for taking images of the media, giving visual proof media has been erased.
- 2 Optional Label Printer for automatically printing labels with erasure details that can be applied to the media after erasure.
- 3 Our DDA Software, the brains of the system. An advanced software package that connects to your Degausser/Destroyer, logs all the erasure details and stores them in a database, ready for audit.
- 4 Erasure Certificates, automatically generated and can be printed out or saved as PDF documents.

OPERATION 1/2

Operating in stand alone mode

The **SDD Master** is a table top mounted, chamber degausser, making operation safe, effective and simple for anyone.

Operators simply lift the Perspex lid, insert the media into the caddie, close the lid and press the "Start" button via the control panel. Media is transported into the degausser where the magnetic field is activated by a powerful pulse discharge.

While inside the degausser, media is automatically rotated and a further 2 magnetic discharges are applied, ensuring complete erasure. The entire process takes approximately **75 seconds**. The processor controlled **SDD Master** continuously monitors the operation, ensuring that the erasure cycle is completed. The operator is immediately alerted to and interruptions in the erasure cycle on the LCD control panel.

NOTE: After degaussing, hard drives should not be reused, as they are stressed in the erasure process. Some backup tapes may not be reusable after degaussing due to the servo track being erased.



OPERATION 2/2

Operated Using the Data Destruction Auditor Software

Using the DDA Software gives you the ability to log all the information related to the erasure and provide a printable erasure certificate if required. The information logged includes details of the processing company, media owner, degausser machine, serial number, part number and size of the hard drive or tape. The DDA software gives you a complete audit ready logs of media erased.

The operator starts by connecting the Degausser to the PC and clicking the Find Machine button. This will automatically download the information from the machine, such as the model and serial number. Next, the operator enters the information about the erasure, such as the operators name, the processing company, and the media serial number. The optional barcode scanner can be used to speed up data entry.

Once the details have been entered, the operator places the media inside the machine, closes the lid, and then clicks the 'Erase/Destroy' button. The machine will start the degaussing process and a window will be displayed in the software showing the progress. If the optional DD Imager is being used, the software will prompt the user when to place the media under the camera.

Once the cycle is complete a new record will be created. This record will hold all the information that was entered, plus the results of the erasure. Records can then be exported as a CSV file, or certificates can be printed or saved as PDFs. If the optional label printer is connected, a label with erasure details will automatically print that can be placed onto the media.



SPECIFICATIONS

Media Handling:

Standard PC, Laptop and Server 3.5", 2.5" & 1.8" Hard Drives.
Longitudinal & perpendicular recording.
All drive interfaces; IDE, SATA, SAS and Fibre Channel.
All backup tapes including; DLT,2,3,4,5,6 & SDLT, LTO1,2,3,4,5,6,7 & 8
3480/3490/3490e,3590,9840,T9940 & T10000 tape.
Ultrium & Redwood SD-3 tape and cartridges.
Mammoth 1 & 2, 8mm, AIT1 & 2, M2 tapes, DDS 1,2,3,4 & 5, DD-2

Power Supply: 100-120 VAC, 208-240 VAC, 50/60Hz
(Please specify Voltage and Frequency when ordering)

Current Rating: 50Hz 5 Amps, 60Hz 9 Amps

Degaussing Force: 20,000 Gauss
Cycle Time: 75 Seconds typical

Dimensions (WxHxD): 35" x 26" x 24" (89cm x 67cm x 62cm)
Unit Weight: 328lbs (149kg)

Packed Dimensions

(WxHxD): 46" x 36" x 36" (118cm x 92cm x 92cm)

Packed Weight: 410lbs (186kg) (Packed in a wooden crate)

Throughput:

40 3.5" hard drives per hour typical

80 2.5" hard drives per hour typical

Controls: On/Off Power switch. Start, Stop, Reset Button. Remote Control

Indicators: Liquid Crystal Display (LCD), Power, Normal, Fault

Operating Systems: Windows 11, 10

Connectivity: Bi Universal Serial Bus 2.0 full speed (USB)

Warranty: 24 Months back to base, all parts & labour included. Extended warranties also available.

Certification: 

Listed on the NSA/CSS evaluated product list for the erasure of Top Secret data

Optional extras: VS DD Imager, Label Printer, Label Rolls, Barcode Scanner, Transport Case



OPTIONAL ACCESSORIES

NEW - Verity Systems DD Imager

Takes images of the media which are then automatically saved with erasure records in the DDA Software.

The DD Imager also includes a



Label Printer

Automatically print labels with the erasure and media details on which can then be stuck on the media. Details shown on



Barcode Scanner

Speed up data entry by scanner part numbers and serial numbers from media.



Tailored Transport Case

Safely Store and transport the machine with our custom made case. Features pull out handle and wheels for easy transportation.



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WHO RECOMMENDS HARD DRIVE DEGAUSSING?

As part of their guidelines for sanitization of magnetic media, **degaussing** is recommended by:

- National Institute of Standards & Technology
- Department of Defence
- Government Security Organizations

The following **Government Mandates** require destruction of sensitive information stored on Hard Drives and Tapes before disposal:

- PCI DSS (Payment Card Industry Data Security Standard)
- PIPEDA (Personal Information Protection and Electronic Document Act)
- NIST (National Institute of Standards and Technology)
- Guidelines for Media Sanitization
- NIST.SP.800-88r1 & NIST SP 800-36
- Gramm-Leach-Bliley Act (GLBA)
- HIPAA (Health Information Portability and Accountability Act)
- California SB-1386
- IRS-1075
- CJIS
- Bank Secrecy Act (BSA)
- GDPR (General Data Protection Regulation)

VS Security Products maintains a policy of continuous improvement and reserves the right to amend this specification without notice.

