



# NSA/CSS Evaluated Products List for Magnetic Degaussers

## OVERVIEW

Devices included on this list have passed evaluation by meeting requirements set by the NSA/CSS for sanitizing magnetic tapes and magnetic hard disk drives. Meant to serve as guidance, inclusion in this document is not an endorsement by the NSA/CSS or the U.S. Government. All listed products sanitize TS/SCI and below.

The NSA/CSS conducts continuous research on data recovery. This document is updated on an as-needed basis. The procedures for administration and distribution of the EPL are subject to change without notice. Please see Expired Products list for more information about removed products.

Questions about specific models can be directed to the Center for Storage Device Sanitization Research at 301-688-1053 or [CSDSR\\_NSA@nsa.gov](mailto:CSDSR_NSA@nsa.gov).

## REQUIREMENTS SUMMARY

Degaussers listed in this document are rated by the coercivity of the storage device they can securely erase. Due to advances in hard disk drive technology NSA will no longer accept degaussers for evaluation with magnetic fields less than 30,000 Gauss.

Coercivity is measured in Oersteds (Oe) and indicates which magnetic storage device types the degausser is authorized to sanitize. The Oe rating of the magnetic storage device can be equal to, but not greater than, the NSA-listed Oe rating of the degausser. (Refer to page 5 for magnetic storage device types and their Oe ratings.)

Failure to adhere to NSA designated Oe ratings, including Longitudinal (L) and Perpendicular (P) designations, WILL NOT ensure the complete erasure of data.

Degaussers requiring multiple passes, adaptors or disassembly of magnetic storage devices are identified as such.

It is required to follow degaussing with physical destruction by deforming the platters inside all hard disk drives. Refer to the *NSA/CSS Evaluated Products List for Hard Disk Drive Destruction Devices*.

## IMPORTANT REMINDERS

This list serves as guidance for the sanitization of magnetic hard disk drives and magnetic tape.

Remove all labels or markings that indicate previous use or classification.

Inclusion in this list does not guarantee the continued performance of equipment. Customers should re-test equipment according to the manufacturer, or through the use of an NSA/CSS approved magnetic field verification device as identified on page 3.

This list is only for magnetic hard disk drives. Refer to the *NSA/CSS Evaluated Products List for Hard Disk Drive Destruction Devices* for information on hybrid drives or HAMR.

Each device offers different convenience features, capacities, feed sizes, footprints and power requirements. Contact the vendor to identify the unit(s) best suited to your site's needs.

Equipment is listed in alphabetical order by vendor. Models that are no longer manufactured but still approved are included as well. Model numbers on equipment must match the model numbers shown in this list.

Alternate or previously used retail names appear in parentheses.

| MAGNETIC DEGAUSSERS                       |                        |                    |                   |
|---|------------------------|--------------------|-------------------|
| VENDOR                                    | DEVICE NAME / MODEL    | TAPE:<br>Oe RATING | HDD:<br>Oe RATING |
| Advanced Design Corp.                     | <b>MagWiper MW-1B</b>  | 3000               | L-5000, P-5000    |
| Data Security, Inc.                       | <b>HD-5T</b>           | 3000               | L-5000, P-5000    |
| Data Security, Inc.                       | <b>HPM-2</b>           | 3000               | L-5000, P-5000    |
| Data Security, Inc.                       | <b>LM-1</b>            | 3000               | L-5000, P-5000    |
| Data Security, Inc.                       | <b>LM-1C</b>           | 3000               | L-5000, P-5000    |
| Garner Products, Inc.                     | <b>TS-1XT Series</b>   | 3000               | L-5000, P-5000    |
| Intimus International                     | <b>Intimus 20000 S</b> | 3000               | L-5000, P-5000    |
| Marquis Business Systems, LLC.            | <b>Magpro 100</b>      | 3000               | L-5000, P-5000    |
| Proton Data Security                      | <b>T-4</b>             | 3000               | L-5000, P-5000    |
| Proton Data Security                      | <b>T-5</b>             | 3000               | L-5000, P-5000    |
| Security Engineered Machinery, Inc.       | <b>EMP 1000-HS</b>     | 3000               | L-5000, P-5000    |
| VS Security Products                      | <b>SDD Master</b>      | 3000               | L-5000, P-5000    |
| Whitaker Brothers Business Machines, Inc. | <b>Datastroyer 105</b> | 3000               | L-5000, P-5000    |
| Whitaker Brothers Business Machines, Inc. | <b>Datastroyer 106</b> | 3000               | L-5000, P-5000    |

| DEGAUSSER FIELD VERIFICATION DEVICES |                      |
|--------------------------------------|----------------------|
| VENDOR                               | DEVICE NAME / MODEL  |
| Data Security, Inc.                  | Field CheckR         |
| Data Security, Inc.                  | Compact Field CheckR |
| Data Security, Inc.                  | Field CheckR3        |

| NO LONGER MANUFACTURED              |                       |                    |                       |
|-------------------------------------|-----------------------|--------------------|-----------------------|
| VENDOR                              | DEVICE NAME / MODEL   | TAPE:<br>Oe RATING | HDD:<br>Oe RATING     |
| <i>CMC Technology Corporation</i>   | <i>Intimus 20 000</i> | <i>2800</i>        | <i>L-5000, P-5000</i> |
| <i>Data Security, Inc.</i>          | <i>HPM-1</i>          | <i>3000</i>        | <i>L-5000, P-5000</i> |
| <i>Data Security, Inc.</i>          | <i>HPM-1A</i>         | <i>3000</i>        | <i>L-5000, P-5000</i> |
| <i>Data Security, Inc.</i>          | <i>HPM-4</i>          | <i>3000</i>        | <i>L-5000, P-5000</i> |
| <i>Data Security, Inc.</i>          | <i>HPM-4E</i>         | <i>3000</i>        | <i>L-5000, P-5000</i> |
| <i>Data Security, Inc.</i>          | <i>LM-4</i>           | <i>3000</i>        | <i>L-5000, P-5000</i> |
| <i>Data Security, Inc.</i>          | <i>LM-4E</i>          | <i>3000</i>        | <i>L-5000, P-5000</i> |
| <i>Dexter Magnetic Technologies</i> | <i>U5000</i>          | <i>2800</i>        | <i>L-5000, P-5000</i> |
| <i>Garner Products, Inc.</i>        | <i>TS-1</i>           | <i>3000</i>        | <i>L-5000, P-5000</i> |
| <i>Intimus International</i>        | <i>20000</i>          | <i>3000</i>        | <i>L-5000, P-5000</i> |

| COERCIVITY BY FORMAT               |           |
|------------------------------------|-----------|
| MAGNETIC TAPES                     | Oe RATING |
| 3480, 3490E                        | 520       |
| 8mm: AIT -2                        | 1380      |
| 8mm: AIT-3, AIT-4, S-AIT-1 1/2"    | 1400      |
| 8mm: M2 Mammoth2, VXA-2 230m       | 1350      |
| 8mm: Mammoth, AIT-1, VXA-1         | 1320      |
| 9-Track Reel-to-Reel Computer Tape | 300       |
| ADR30, ADR50, ADR2-120             | 900       |
| D8: 8mm 112m, 8mm 160m             | 1600      |
| DAT-72 4mm 170m                    | 2350      |
| DC2120, DC6150, DC6525             | 550       |
| DC9100, DC9120                     | 900       |
| DCRSi                              | 750       |
| DD-2 19mm                          | 1550      |
| DD-2QD (Quad Density) 19mm         | 1850      |
| DDS 4mm 120m                       | 1750      |
| DDS 4mm 120m                       | 1750      |
| DDS1: 4mm60m, 4mm90m               | 1590      |
| DDS2: 4mm                          | 1750      |
| DDS3 4mm 125m                      | 2250      |
| DDS4 4mm 150                       | 2350      |
| DLT Tape III, DLT Tape IIIXT       | 1540      |
| DLT: Super DLTtape II              | 2600      |
| DLT: SuperDLTtape I                | 1900      |
| DLTtape IV, DLTtape VS1            | 1850      |

| COERCIVITY BY FORMAT             |           |
|----------------------------------|-----------|
| REMOVABLE DISKS                  | Oe RATING |
| Microdisk: 3.5" 720KB DD         | 650       |
| Microdisk: 3.5" 1.44MB HD        | 720       |
| Minidisk: 5 1/4" 1.2MB HD        | 650       |
| Minidisk: 5 1/4" 360KB DD        | 300       |
| Zip 100 MB Disk                  | 1550      |
| Zip 250 MB Disk, Zip 750 MB Disk | 2250      |
| Zip: SuperDisk 120MB             | 1500      |

| COERCIVITY BY FORMAT                       |           |
|--|-----------|
| MAGNETIC TAPES                             | Oe RATING |
| DLTtape S4                                 | 2650      |
| DTF-1                                      | 1579      |
| DTF-2                                      | 2300      |
| Enterprise 3592                            | 2500      |
| ID-1                                       | 900       |
| LTO-4, LTO-5                               | 2800      |
| LTO-6, LTO-7, LTO-8                        | 3000      |
| LTO-Ultrium1                               | 1850      |
| LTO-Ultrium2                               | 2150      |
| LTO-Ultrium3                               | 2650      |
| Magstar: 3590, 3590-E, STK-9840, STK-T9940 | 1625      |
| MagstarMP: 3570-B, 3570-C, 3570C/XL        | 1625      |
| NCTP                                       | 1850      |
| Redwood SD-3                               | 1515      |
| SLR1, SLR2                                 | 550       |
| SLR3, SLR4, SLR5, SLR24, SLR32             | 900       |
| SLR40, SLR50, SLR60, SLR100, SLR75, SLR140 | 1650      |
| STK-T10000 (T10K)                          | 2500      |
| TK50, TK70                                 | 350       |
| TR-1                                       | 550       |
| TR-3, TR-4                                 | 900       |
| TR-5, TR-7 (Travan 40 GB)                  | 1650      |

| COERCIVITY BY FORMAT               |                |
|------------------------------------|----------------|
| MAGNETIC HARD DISK DRIVES (HDD)    | Oe RATING      |
| Manufactured in 1995 or earlier    | L-2200         |
| Manufactured between 1996 and 2000 | L-3000         |
| Manufactured in 2001               | L-3800         |
| Manufactured between 2002 and 2003 | L-4200         |
| Manufactured between 2004 and 2005 | L-5000         |
| Manufactured between 2006 and 2007 | L-5000, P-5000 |
| Manufactured between 2008 and 2022 | P-5000         |

**VENDOR CONTACT INFORMATION****Advanced Design Corp.**

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