



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.

QUALIFICATIONS FOR APPROVAL

Performance testing evaluates the degausser's ability to sanitize magnetic storage devices. Degaussers listed in this document are rated by the coercivity of the storage device they can securely erase.

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. Equipment is listed in alphabetic order by vendor. Alternate or previously used retail names appear in parentheses. Models that are no longer manufactured but still approved are included.

Due to advances in hard disk drive technology NSA will no longer accept degaussers for evaluation with magnetic fields less than 30000 Gauss.

Vendors submitting equipment for evaluation will no longer have their return shipping costs funded by NSA.

Questions about specific models not shown can be directed to the Center for Storage Device Sanitization Research at 301-688-1053 or CSDSR@nsa.gov.

This document is updated on an as-needed basis. The procedures for administration and distribution of the EPL are subject to change without notice.

WHAT YOU NEED TO KNOW

1. This list serves as guidance for the sanitization of magnetic hard disk drives and magnetic tape. For the sanitization of these magnetic storage device types please refer to the *NSA/CSS 9-12 Storage Device Sanitization Manual*.
2. Remove all labels or markings that indicate previous use or classification.
3. It is highly recommended 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*.
4. 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.
5. Each degausser listed offers different convenience features, footprints, throughput rates and power requirements. Contact the vendor to identify the unit(s) best suited to your site's needs.
6. When a product is removed from the EPL due to security reasons a grace period of six years for continued usage is in effect for DoD customers. IC customers follow your organization's policy regarding this matter. Government Contractors should follow guidance/policy of their cognizant government industrial security oversight organization.

MAGNETIC DEGAUSSERS

VENDOR	DEVICE NAME / MODEL	TAPE: Oe RATING	HDD: Oe RATING	REMARKS
Advanced Design Corp.	MagWiper MW-1B	3000	L-5000, P-5000	
Applied Magnetics Laboratory, Inc.	AML-6KG	Not Tested	L-5000, P-5000	<i>Requires disk disassembly plus 3 full-contact passes with rotation.</i>
Data Security, Inc.	HD-1T	3000	L-5000, P-5000	
Data Security, Inc.	HD-5T	3000	L-5000, P-5000	
Data Security, Inc.	HPM-2	3000	L-5000, P-5000	
Data Security, Inc.	LE-1	Not Tested	L-5000, P-5000	<i>2 passes required with 90° rotation.</i>
Data Security, Inc.	LM-1	3000	L-5000, P-5000	
Data Security, Inc.	LM-1 w/Caddy Belt	3000	L-5000, P-5000	
Data Security, Inc.	LM-1C	3000	L-5000, P-5000	
Data Security, Inc.	TE-1	2800	Not Tested	<i>2 passes required with 90° rotation.</i>
Garner Products, Inc.	TS-1	3000	L-5000, P-5000	
Intimus International	Intimus 20000	3000	L-5000, P-5000	
Proton Data Security	T-4	3000	L-5000, P-5000	
Proton Data Security	1090	Not Tested	L-750	<i>2 passes required with 90° rotation.</i>
Proton Data Security	1100	Not Tested	L-5000, P-5000	<i>Requires disk disassembly plus 3 full-contact passes with rotation.</i>
Proton Data Security	T-5	3000	L-5000, P-5000	
Security Engineered Machinery, Inc. / Secure I.T. Engineered Solutions	EMP 1000-HS / MMD-1000HS	3000	L-5000, P-5000	
Whitaker Brothers, Inc.	Datastroyer 105	3000	L-5000, P-5000	
Whitaker Brothers, Inc.	Datastroyer 106	3000	L-5000, P-5000	
VS Security Products	SDD Master	2800	L-5000, P-5000	

DEGAUSSER FIELD VERIFICATION DEVICES

VENDOR	DEVICE NAME / MODEL
Data Security, Inc.	Field CheckR
Data Security, Inc.	Compact Field CheckR

NO LONGER MANUFACTURED

VENDOR	DEVICE NAME / MODEL	TAPE: Oe RATING	HDD: Oe RATING
<i>Ampex Corporation</i>	<i>SE20</i>	350	<i>Not Tested</i>
<i>Ampex Corporation</i>	<i>SE750</i>	750	<i>Not Tested</i>
<i>Applied Magnetics Laboratory, Inc.</i>	<i>Data Muncher</i>	350	<i>Not Tested</i>
<i>Applied Magnetics Laboratory, Inc.</i>	<i>Magnastroyer AML-MS1</i>	2150	<i>L-750</i>
<i>Applied Magnetics Laboratory, Inc.</i>	<i>Magnastroyer AML-MS2</i>	<i>Not Tested</i>	<i>L-5000, P-5000</i>
<i>Bell & Howell Company</i>	<i>TD-800</i>	350	<i>Not Tested</i>
<i>CMC Technology Corporation</i>	<i>Intimus 20 000</i>	2800	<i>L-5000, P-5000</i>
<i>Computer Link Corporation</i>	<i>515</i>	350	<i>Not Tested</i>
<i>Computer Link Corporation</i>	<i>520</i>	350	<i>Not Tested</i>
<i>Computer Link Corporation</i>	<i>530</i>	350	<i>Not Tested</i>
<i>Computer Link Corporation</i>	<i>538</i>	350	<i>Not Tested</i>
<i>Computer Link Corporation</i>	<i>540</i>	350	<i>Not Tested</i>
<i>Computer Link Corporation</i>	<i>CF750</i>	750	<i>Not Tested</i>
<i>Consolidated Electrodynamics</i>	<i>TD-2903-4A</i>	350	<i>Not Tested</i>
<i>Data Devices International</i>	<i>Cambrian</i>	350	<i>Not Tested</i>
<i>Data Security, Inc.</i>	<i>APM-10</i>	2800	<i>L-5000, P-5000</i>
<i>Data Security, Inc.</i>	<i>HD-6000</i>	2500	<i>L-3800</i>
<i>Data Security, Inc.</i>	<i>HD-6600</i>	3000	<i>L-4200</i>
<i>Data Security, Inc.</i>	<i>HPM-1</i>	3000	<i>L-5000, P-5000</i>
<i>Data Security, Inc.</i>	<i>HPM-1A</i>	3000	<i>L-5000, P-5000</i>
<i>Data Security, Inc.</i>	<i>HPM-4</i>	3000	<i>L-5000, P-5000</i>
<i>Data Security, Inc.</i>	<i>HPM-4E</i>	3000	<i>L-5000, P-5000</i>
<i>Data Security, Inc.</i>	<i>LM-4</i>	3000	<i>L-5000, P-5000</i>
<i>Data Security, Inc.</i>	<i>LM-4E</i>	3000	<i>L-5000, P-5000</i>
<i>Data Security, Inc.</i>	<i>Type HD-2000 (940-0001)</i>	750	<i>L-1500</i>
<i>Data Security, Inc.</i>	<i>Type HD-3000 (905-0001)</i>	750	<i>L-1800</i>
<i>Data Security, Inc.</i>	<i>Type I (911-0000)</i>	350	<i>Not Tested</i>
<i>Data Security, Inc.</i>	<i>Type II (900-0001)</i>	750	<i>Not Tested</i>
<i>Data Security, Inc.</i>	<i>Type II (902-0001)</i>	750	<i>L-1800</i>
<i>Data Security, Inc.</i>	<i>Type II-A (930-0000)</i>	1000	<i>Not Tested</i>
<i>Data Security, Inc.</i>	<i>Type III (943-0001)</i>	1700	<i>Not Tested</i>
<i>Datatape, Incorporated</i>	<i>HDD-2000</i>	750	<i>L-1500</i>
<i>Datatape, Incorporated</i>	<i>TD-1700</i>	1700	<i>Not Tested</i>
<i>Datatape, Incorporated</i>	<i>TD-350</i>	350	<i>Not Tested</i>
<i>Datatape, Incorporated</i>	<i>TD-500</i>	350	<i>Not Tested</i>

NO LONGER MANUFACTURED, CONTINUED

VENDOR	DEVICE NAME / MODEL	TAPE: Oe RATING	HDD: Oe RATING
<i>Datatape, Incorporated</i>	TD-750	750	L-1800
<i>Datatape, Incorporated</i>	TD-900	900	L-1800
<i>Datatape, Incorporated</i>	TD-2903-4B	350	Not Tested
<i>Dexter Magnetic Technologies</i>	U5000	2800	L-5000, P-5000
<i>Electro-Matic Products Company</i>	2PTFB15-17	350	Not Tested
<i>Electro-Matic Products Company</i>	2PTFB15-18	350	Not Tested
<i>Electro-Matic Products Company</i>	2PTFB15-113	350	Not Tested
<i>Electro-Matic Products Company</i>	HE15FB-4	750	Not Tested
<i>Garner Products, Inc.</i>	2700	350	Not Tested
<i>Garner Products, Inc.</i>	CF750	750	Not Tested
<i>Garner Products, Inc.</i>	REM-1400NSA	2800	L-5000, P-5000
<i>General Kinetics Incorporated</i>	K80	350	Not Tested
<i>General Kinetics Incorporated</i>	K90	350	Not Tested
<i>Hewlett Packard Company</i>	3603A	350	Not Tested
<i>Integra Technologies Corporation</i>	D530	350	Not Tested
<i>Integra Technologies Corporation</i>	D538	350	Not Tested
<i>Integra Technologies Corporation</i>	D538-II	750	Not Tested
<i>Integra Technologies Corporation</i>	D540	350	Not Tested
<i>Integra Technologies Corporation</i>	I600-F4	Not Tested	L-350
<i>IXI, Incorporated</i>	5661c	350	L-2200
<i>J.C. Nickels, Incorporated</i>	1084 Bit Scrubber	Not Tested	L-350
<i>KYBE Corporation</i>	1100	350	Not Tested
<i>Metrum-Datatape</i>	TD-1700	1700	Not Tested
<i>Metrum-Datatape</i>	TD-350	350	Not Tested
<i>Metrum-Datatape</i>	TD-750	750	L-1800
<i>Metrum-Datatape</i>	TD-900	900	L-1800
<i>Metrum-Datatape</i>	HDD-2000	750	L-1500
<i>Precision Methods, Incorporated</i>	2000	Not Tested	L-350
<i>Proton Engineering, Inc.</i>	1084	Not Tested	L-350
<i>Red River Computer</i>	ME-RRC3	2800	L-5000, P-5000
<i>Red River Computer</i>	ME-RRC3M	2800	L-5000, P-5000
<i>Rimage Corporation</i>	5661C	350	L-2200
<i>Security Engineered Machinery</i>	1100	Not Tested	L-5000, P-5000
<i>Security Engineered Machinery/Toshiba</i>	ME-P3	2800	L-5000, P-5000
<i>Security Engineered Machinery/Toshiba</i>	ME-P3E	2800	L-5000, P-5000
<i>Security Engineered Machinery/Toshiba</i>	ME-P3M	2800	L-5000, P-5000
<i>Security Engineered Machinery/Toshiba</i>	ME-P3R	2800	L-5000, P-5000
<i>Whitaker Brothers Business Machines, Inc.</i>	Datastroyer 102-DG	Not Tested	L-5000, P-5000

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
DDS3 4mm 125m	2250
DDS4 fmm 150	2350
DLT Tape III, DLT Tape IIIXT	1540
DLT: Super DLTtape II	2600
DLT: SuperDLTtapeI	1900
DLTtape IV, DLTtape VS1	1850

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	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			
REMOVABLE DISKS	Oe RATING	MAGNETIC HARD DISK DRIVES (HDD)	Oe RATING
Microdisk: 3.5" 720KB DD	650	Manufactured in 1995 or earlier	L-2200
Microdisk: 3.5" 1.44MB HD	720	Manufactured between 1996 and 2000	L-3000
Minidisk: 5 1/4" 1.2MB HD	650	Manufactured in 2001	L-3800
Minidisk: 5 1/4" 360KB DD	300	Manufactured between 2002 and 2003	L-4200
Zip 100 MB Disk	1550	Manufactured between 2004 and 2005	L-5000
Zip 250 MB Disk, Zip 750 MB Disk	2250	Manufactured between 2006 and 2007	L-5000, P-5000
Zip: SuperDisk 120MB	1500	Manufactured between 2008 and 2017	L-5000, P-5000

VENDOR CONTACT INFORMATION**Advanced Design Corp.**

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 Drew Wildonger, President
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Data Security, Inc.

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Proton Data Security

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