NATIONAL SECURITY AGENCY
CENTRAL SECURITY SERVICE

FORT GEORGE G. MEADE, MARYLAND

25 September 2001

(U) Degausser Products List

A9585A.3-79

1. INTRODUCTION

The DPL (Degausser Products List) lists the model identification of current equipment units that were evaluated against and found to satisfy the requirements for erasure of magnetic media that retain classified data. A commercial production unit of each model of degausser was evaluated against DoD (Department of Defense) requirements for erasure of classified tapes as set forth in DoD Manual 5200.28-M, "Automated Data Processing Security", revised June 1979. The NSA/CSS (National Security Agency/Central Security Service) has implemented the Manual's specification in NSA/CSS Specification L1-MTC-4A, dated 01 September 1995. Listing of a product on the DPL does not constitute endorsement of the product by the Government or NSA/CSS; it merely indicates that the unit evaluated has met the applicable degausser requirements. Moreover, though listed in the DPL, products must be periodically tested to insure continued compliance with the specification. NSA/CSS Specification L1-MTC-4A, Section 5, Degaussing Level Performance Test Procedures, gives a test procedure to verify continued compliance with the specification.

Magnetic tape and hard disk media are defined by their magnetic coercivity in units of Oersteds (Oe). Coercivity of a magnetic media defines the magnetic field necessary to reduce a magnetically saturated material's magnetization to zero. Degaussers listed in this document are defined by the coercivity of the magnetic tape and hard disk media that can be erased, i.e., a 1000 Oe degausser can erase less than or equal to 1000 Oe magnetic media. Note that the degaussers in this document are defined in two ways: the ability to erase tape media and the ability to erase hard disk media. Tape media is defined as any medium (reel, cassette) that contains magnetic tape as the recording medium. Hard disk media is defined as any medium (flexible disks, disk packs, sealed disk packs, hard disk drives, Winchester disk drives, disk platters) that contains a disk as the recording medium. The correct use of these degaussing products will ensure that classified data is no longer retrievable. In addition, magnetic media containing barium ferrite cannot be degaussed for declassification purposes. Also, degaussers are ineffective in erasing magneto-optic recording media.

NOTE: IN ADDITION TO DEGAUSSING, CERTAIN ADMINISTRATIVE PROCEDURES MAY BE REQUIRED BEFORE DEGAUSSED MAGNETIC MEDIA MAY BE DECLASSIFIED. CONSULT YOUR SECURITY OFFICER OR MANAGER FOR GUIDANCE IN THIS REGARD.

Correct use of these equipments is necessary to insure inadvertent disclosure of classified information does not occur. Accordingly, users having operational questions about the equipment should direct their questions to the manufacturer. Questions regarding security requirements should be addressed to your Security Officer or manager.

Companies wishing to submit a product for evaluation should contact in writing:

National Security Agency
ATTN: LL Media Technology Center
9800 Savage Road
Ft. George G. Meade, MD 20755-6877
Voice 301.688.1053, Facsimile 301.725.8007

For simplification purposes the Degausser Products List only contains degausser products that are currently in production. Your site may have a degausser that conforms to NSA/CSS signal erasure standards but is no longer in production. Contact the LL Media Technology Center for information regarding your degausser.

2. ELECTROMAGNETIC DEGAUSSER EQUIPMENT

2.1 Drawer Type Degaussers – These are electromagnetic degaussers that provide automatic one pass operation for tape media erasure. For models certified for hard disk media erasure, they can be used to erase hard disks 3.5" or smaller. The hard disk must be placed horizontally, degaussed once, turned over and degaussed a second time. All steel shielding materials (i.e., cabinets, casings, and mounting brackets) must be removed from the hard disk before degaussing. The degaussers must be operated at their full magnetic field strength. The erasure of hard disks may cause damage (i.e., loss of timing tracks and servo motors) which may prohibit their continued use.

NOTE: ADAPTORS MAY BE NECESSARY TO ACCOMMODATE THE VARIOUS SIZES OF MEDIA PRODUCTS.

MANUFACTURER	MODEL	TAPE	HARD DISK
Data Devices International 2600 Mission Street San Marino, CA 91108-1676 626.799.6545 ATTN: David Partridge	Cambrian	350	Not Tested
Data Security, Incorporated 729 Q Street P.O. Box 82809 Lincoln, NE 68501 402.434.5959 800.225.7554 ATTN: Eric Schafer	Type I, 911-0000	350	Not Tested
Ampex Corporation 600 Wooten Rd. Colorado Springs, CO 80915 800.227.8402 ATTN: Customer Service Representative	SE 750	750	Not Tested
Anacomp Magnetics 2115 Monroe Drive Atlanta, GA 30324 770.910.8100 ATTN: Marvin Howell	CF750	750	Not Tested

MANUFACTURER	MODEL	TAPE	HARD DISK
Data Security, Incorporated	Type HD-2000, 940-0001	750	1500
Data Security, Incorporated	Type HD-3000, 905-0001	750	1800
Garner Industries 4200 N. 48th St. Lincoln, NE 68504 800.228.0275 ATTN: Donna Kunkle	CF750	750	Not Tested
Garner Industries	CF750 Type II-A	900	Not Tested
Data Security, Incorporated	Type II-A, 930-0000	1000	Not Tested
Data Security, Incorporated	Type III, 943-0001	1700	Not Tested

2.2 Conveyor Type Degaussers – These are electromagnetic degaussers that are continuous duty conveyor belt types and provide one pass erasure for tape media.

MANUFACTURER	MODEL	TAPE	HARD DISK
Anacomp Magnetics 2115 Monroe Drive Atlanta, GA 30324 770.910.8100 ATTN: Marvin Howell	2700	350	Not Tested
Electro-Matic Products Company 2235 N. Knox Ave. Chicago, IL 60639 773.235.4010 ATTN: Joseph Armond	2PTFB15-17	350	Not Tested
Electro-Matic Products Company	2PTFB15-18	350	Not Tested

Electro-Matic Products Company	2PTFB15-113	350	Not Tested
Garner Industries 4200 N. 48th St. Lincoln, NE 68504 800.228.0275 ATTN: Donna Kunkle	2700	350	Not Tested
Electro-Matic Products Company	HE15FB-4	750	Not Tested

2.3 Chamber Type Degaussers – These are electromagnetic degaussers that provide automatic one pass operation for tape media erasure. They can be used to erase hard disks 3.5" or smaller. The hard disk must be placed horizontally, degaussed once, turned over and degaussed a second time. All steel shielding materials (i.e., cabinets, casings, and mounting brackets) must be removed from the hard disk before degaussing. The degaussers must be operated at their full magnetic field strength. The erasure of hard disks may cause damage (i.e., loss of timing tracks and servo motors) which may prohibit their continued use.

MANUFACTURER	MODEL	TAPE	HARD DISK
Rimage Corporation 7725 Washington Avenue South Minneapolis, MN 55439 404.459.0705 ATTN: Arleen S. Hedge	5661C	1700	2200
Data Security, Incorporated 729 Q Street P.O. Box 82809 Lincoln, NE 68501 402.434.5959 800.225.7554 ATTN: Eric Schafer	HD-6000	1850	3000

3. PERMANENT MAGNET DEGAUSSER EQUIPMENT

3.1 Hand Degaussers – These are hand held permanent magnet degaussers. To degauss hard disks, cover the hand held magnet with a lintless tissue, wiping cloth, or a layer of thin plastic as a means of preventing damage to the recording surface. Insert the degaussing wand into the disk pack so that the active magnetic portion completely covers the recording surface of the hard disk from hub to perimeter. Wipe each active hard disk surface (top and bottom) at least three times with the magnet.

MANUFACTURER	MODEL	TAPE	HARD DISK
Applied Magnetics Laboratory, Inc. 1404 Bare Hills Rd. Baltimore, MD 21209 410.583.2100	AML-6KG	Not Tested	2750
Pinpoint Engineering, Incorporated 4007 Leonard Dr. Fredericksburg, Va. 22408 540.891.2001	1500	Not Tested	350
Pinpoint Engineering, Incorporated	2000	Not Tested	350
Proton Engineering P.O. Box 1852 Palm City, Florida 34990 561.223.2184 ATTN: William Olliges	1100	Not Tested	350
Security Engineered Machinery 8329 Old Marlboro Pike B-6 Upper Marlboro, MD 20772 800.645.1157 301.735.7100 ATTN: James Hyfantis	1100	Not Tested	350
UGIMAG, Incorporated 400 Myrtle Ave. Boonton, NJ 07005 973.335.2533	4KG	Not Tested	350

3.2 Hard Disk Degaussers – These are enclosed permanent magnet degaussers. To properly degauss hard disks, pass the hard disk through the entry slot, turn the hard disk 90 degrees and slide the hard disk through the slot again.

MANUFACTURER	MODEL	TAPE	HARD DISK
Proton Engineering, Incorporated P.O. Box 1852 Palm City, Florida 34990 561.223.2184 ATTN: William Olliges	1090	Not Tested	350
Security Engineered Machinery 8329 Old Marlboro Pike B-6 Upper Marlboro, MD 20772 800.645.1157 301.735.7100 ATTN: James Hyfantis	1090	Not Tested	350