

UNCLASSIFIED

**NATIONAL SECURITY AGENCY
CENTRAL SECURITY SERVICE**

FORT GEORGE G. MEADE, MARYLAND



17 February 2004

Degausser Products List

A9585A.3-79

UNCLASSIFIED

Degausser Products List

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 NSA/CSS (National Security Agency/Central Security Service) requirements for erasure of classified tapes and has implemented this 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 tested twice a year for the first two years, then once a year thereafter 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 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 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 disk media. Tape media is defined as any medium (reel, cassette) that contains magnetic tape as the recording medium. 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 disk media erasure, they can be used to erase disks 3.5” or smaller. The 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 disk before degaussing. The degaussers must be operated at their full magnetic field strength. The erasure of hard disk drives will cause damage (i.e., loss of timing tracks and servo motors), which will prohibit their continued use.

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

MANUFACTURER	MODEL	TAPE	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: Sharon Gauld	SE 750	750	Not Tested
Data Security, Incorporated	Type HD-2000, 940-0001	750	1500
Data Security, Incorporated	Type HD-3000, 905-0001	750	1800

<u>MANUFACTURER</u>	<u>MODEL</u>	<u>TAPE</u>	<u>DISK</u>
Garner Products 620 Commerce Drive Suite C Roseville, CA 95678 800.624.1903	CF750	750	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	DISK
Electro-Matic Products Company 2235 N. Knox Ave. Chicago, IL 60639 773.235.4010	2PTFB15-17	350	Not Tested
Electro-Matic Products Company	2PTFB15-18	350	Not Tested
Electro-Matic Products Company	2PTFB15-113	350	Not Tested
Garner Products 620 Commerce Drive Suite C Roseville, CA 95678 800.624.1903	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 disks 3.5” or smaller. The 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 disk before degaussing. The degaussers must be operated at their full magnetic field strength. The erasure of hard disk drives will cause damage (i.e., loss of timing tracks and servo motors), which will prohibit their continued use.

<u>MANUFACTURER</u>	<u>MODEL</u>	<u>TAPE</u>	<u>DISK</u>
Data Security, Incorporated 729 Q Street P.O. Box 82809 Lincoln, NE 68501 402.434.5959 800.225.7554 ATTN: Eric Schafer	HD-6000	2500	3800
Data Security, Incorporated	HD-1T	2500	4200

3. PERMANENT MAGNET DEGAUSSER EQUIPMENT

3.1 Hand Degaussers – These are hand held permanent magnet degaussers. To degauss 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 disk from hub to perimeter. Wipe each active disk surface (top and bottom) at least three times with the magnet. If disks are part of a sealed hard disk drive assembly, they must be removed from the assembly for degaussing.

MANUFACTURER	MODEL	TAPE	DISK
Applied Magnetics Laboratory, Inc. 1404 Bare Hills Rd. Baltimore, MD 21209 410.583.2100	AML-6KG	Not Tested	2750
Proton Engineering P.O. Box 1852 Palm City, Florida 34990 772.223.2184 ATTN: William Olliges	1100	Not Tested	2870
Security Engineered Machinery 8329 Old Marlboro Pike B-6 Upper Marlboro, MD 20772 800.645.1157 301.735.7100 ATTN: Terry Creek	1100	Not Tested	2870
Whitaker Brothers, Incorporated 12410 Washington Avenue Rockville, MD 20852 800.243.9226 301.230.2800 www.whitakerbrothers.com ATTN: Tara Vogel XT121	102-DG	Not Tested	2750

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

<u>MANUFACTURER</u>	<u>MODEL</u>	<u>TAPE</u>	<u>DISK</u>
Proton Engineering, Incorporated P.O. Box 1852 Palm City, Florida 34990 772.223.2184 ATTN: William Olliges	1090	Not Tested	750
Security Engineered Machinery 8329 Old Marlboro Pike B-6 Upper Marlboro, MD 20772 800.645.1157 301.735.7100 ATTN: Terry Creek	1090	Not Tested	750