

# HD-1T Degausser



## DON RUFFLES LIMITED

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# HD-1T

## NSA APPROVED: SUITABLE FOR CESG HIGHER LEVEL REQUIREMENTS CHAMBER DEGAUSSER

Advanced Magnetic Field Strength  
for Complete Erasure of Magnetic Tape  
and Hard Disk Drives

### KEY FEATURES:

- Listed on the National Security Agency Evaluated Products List-Degausser (EPL-Degausser), NSA/CSS-EPL-9-12A.
- Superior magnetic field strength exceeds DoD requirements for purging classified information on longitudinal and perpendicular magnetic disk storage devices up to 5000 Oersteds and magnetic tape storage devices up to 2800 Oersteds.<sup>1</sup>
- Accommodates multiple tapes and hard drives simultaneously, without disassembly, for fast erasure (up to 270 hard drives or 900 tapes per hour).
- Unique internal brain notifies user of disruption in operation guaranteeing optimum performance and reliability with each use.
- Automatic, simple push button operation designed for ease of use and operator safety.

### ERASURE PERFORMANCE:

Independent scientific testing confirms this degausser erases Longitudinal Magnetic Recorded (LMR) and Perpendicular Magnetic Recorded (PMR) hard disk media with a coercivity of 5000 Oersteds and magnetic tape media with a coercivity of 2800 Oersteds.<sup>1</sup>

<sup>1</sup> Erasure performance testing on hard disks with coercivities above 5000 Oe and on magnetic tapes above 2800 Oe in progress.

### CONTROLS AND INDICATORS:

Illuminated POWER switch, START push-button, NORMAL and FAULT indicators with audible malfunction alarm and locking chamber door. The backlit digital display indicates normal operations, self-calibration, comprehensive diagnostic services, and alerts operator when maintenance is required.



Technology	Patented electromagnetic pulse discharge, multi-directional field degausser
Operation	Automatic (push button)
Media Size	Accommodating multiple formats at once, the chamber accepts all media up to 1" (26 mm) by 4.3" (109 mm) by 7.3" (186 mm)
Cycle Time	Single pass operation, 40 second cycle
Duty Cycle	Continuous
Throughput	270 hard drives/hr, 900 tapes/hr
Power	120V/2.5A/50-60Hz or 230V/1.5A/50-60Hz
Climate	Storage and shipping from -40 °C to 70 °C Operation from 0 °C to 55 °C. Relative humidity 5% to 95%, non condensing
Altitude	Storage and shipping to 15,000 m Operation to 3,000 m
Vibration	Designed to withstand commercial shipping and handling conditions
Acoustics	Emits three electronic beeps followed by one 'pop' indicating electromagnetic pulse has discharged and media has been degaussed
Dimensions	30" (762 mm) wide including feet, by 28.5" (724 mm) deep {32.7" (831 mm) w/door open} by 54.8" (1392 mm) high
Weight	420 lbs (191 kg)
Accessories	Wheels included on base for mobility; rack-mount feature available
Manufacturer	Made in the USA by Data Security, Inc. www.DataSecurityInc.com

Specifications subject to change without notice. Note: All hard drives and some tapes are not reusable after having been degaussed by the HD-1T.



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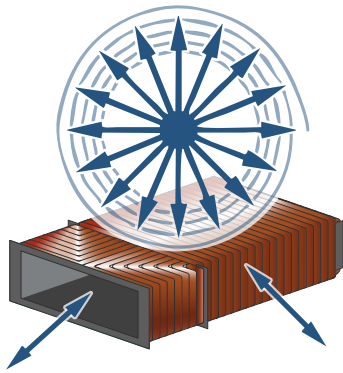


Illustration depicts the multi-directional magnetic field within the HD-1T chamber.

## The HD-1T Passed NSA Evaluation to Degauss Multiple Media Per Cycle

4mm/DDS formats	10
8mm/AIT formats	3
Laptop HDD	4

## LONGEST USEFUL LIFE

The HD-1T has the strongest minimum-effective magnetic field of any degausser listed in the NSA EPL-Degausser. In fact, tests conducted by NSA have shown the HD-1T to fully erase a 5000 Oersted hard drive with only 50% of its total magnetic field strength, making the HD-1T the best defense solution for future magnetic media technologies.

## POWERFUL AND EFFICIENT

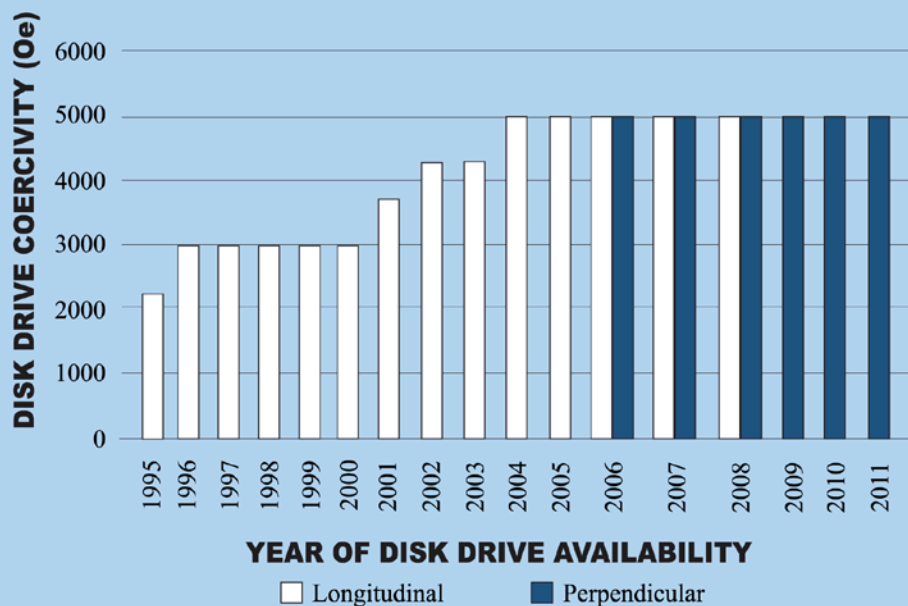
With a powerful, multi-directional magnetic field and large chamber size, the HD-1T is approved to degauss multiple tapes and laptop hard drives per cycle (without disassembly), saving time, energy and labor costs.



## HD-1T TAPE COERCIVITY CHART

350 Oe	
TK50, TK70	350
750 Oe	
3480, 3490	520
DC500, DC1000, DC2000	650
DLT I, DLT II	650
BetaCam Small	650
VHS	650
1000 Oe	
Magnus	900
S-VHS	1000
1700 Oe	
AIT-1 8 mm	1320
AIT-2 8 mm	1380
AIT-3, AIT-4, S-AIT 1-1/2	1400
D8: 8mm	1600
HI-8 Metal Particle	1700
MII	1500
DV Cam	1500
BetaCam SP Small	1500
DTF-1, Small	1579
3590, 9840	1625
DLT III	1700
4mm, DAT	1500
DDS1 4mm	1500
2800 Oe	
DLT IV, DLT S1	1850
Super DLT I	1900
Super DLT II	2600
DLT S4	2650
DTF-2 Small	2300
DDS2 4mm	1750
DDS3 4mm	2250
DDS4 4mm	2350
DAT-72 4mm	2350
DVC Pro	2300
3592	2500
LTO-Ultrium 1	1850
LTO-Ultrium 2	2150
LTO-Ultrium 3	2650
LTO-Ultrium 4	2710

## HD-1T HARD DISK COERCIVITY CHART



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