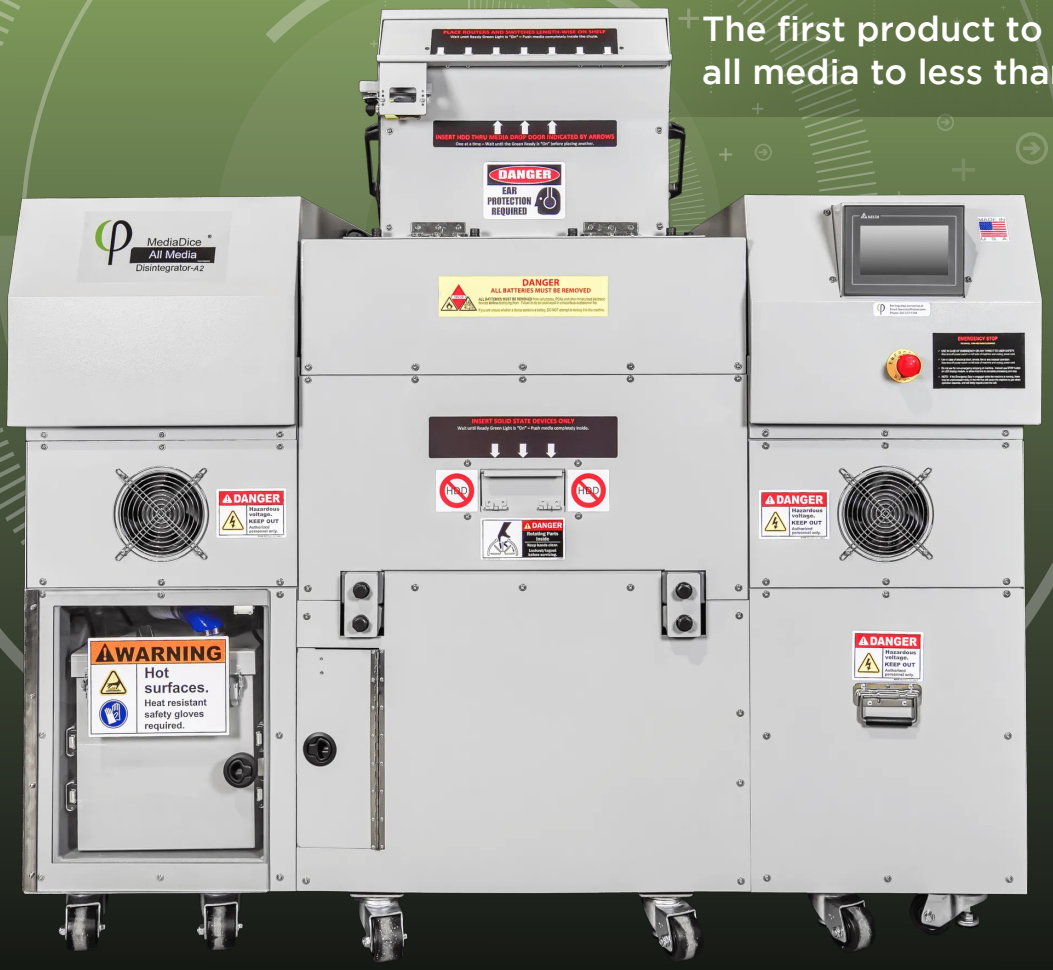
Phiston TECHNOLOGIES® INC.
Innovation, Ingenuity, Integrity

MEDIADICE® ALL MEDIA DISINTEGRATOR (MD-HTP-A2)

THE ULTIMATE WEAPON IN DATA DESTRUCTION HAS ARRIVED!



The first product to disintegrate all media to less than 2mm x 2mm!

ACCEPTABLE MEDIA

- HDD
- Enterprise-HDD
- SSD
- Enterprise SSD
- E-Waste
- Circuit Boards
- Hybrid HDD
- Laptop
- USB/Flash Drive
- Cell/Smart Phone
- PDA
- Tablet
- Credit Card
- DVD
- NVMe/PCIe
- Data Center Switch

DATACENTER AND MOBILE HIGH-VOLUME DISINTEGRATOR

The MediaDice® All Media Disintegrator, also known as the MD-HTP-A2, is the market's first and only destruction solution capable of disintegrating all types of media, including hard drives, solid-state drives, switches, and laptops, to meet the NSA/CSS standard of a 2mm nominal edge length or less.

The MD-HTP-A2 was designed to operate safely and securely inside data center secure zones and achieve higher throughput than any other sanitizer in the market. With a built-in magnetic metal separator, this is the ideal machine for environmentally conscious teams. The e-waste produced can be recycled, keeping additional waste out of the landfill and setting the stage for an environment-friendly secure process.

With the convenience and peace of mind of having full chain of custody, the MediaDice® All Media Disintegrator is your all-in-one, in-house, comprehensive data destruction solution.

As technology and data storage mediums have continued to evolve at a groundbreaking speed, so has the need to advance end-of-life data destruction methods. Phiston Technologies is the leader in end-of-life media destruction, and our latest innovation highlights precisely that. Our newest product is the MediaDice® All Media Disintegrator, a high-volume mobile disintegrator.

Most commercial degaussers are not secure since the magnetic field is only 5k Oe (Oersted). To ensure total erasure, a degausser's magnetic field strength must be four times the coercivity of the media. New drive recording technology (such as the HAMR and MAMR) would require a coercivity of 90k Oe to degauss. Therefore, physical destruction is the practical sanitization method since degaussers cannot achieve this.

The MD-HTP-A2's disintegrator and shredding system apply multi-stage media shredding and separation technology to meet DIN 66399 Class 3, H7 and E6 security levels for HDDs and SSDs. The MD-HTP-A2 conforms to the NIST SP 800-88 standards for unclassified media, and is also designed with the NSA/CSS EPL guidelines in mind for classified media sanitization.

THE DATA IS DESTROYED IN THREE STAGES:

- **1st Stage** (Shredder): Rough cut, particle size: 20 mm.
- **2nd Stage** (Hard Metal Separator): Spindle and large steel component magnetic separator.
- **Final Stage** (Knife Mill): Fine cut, particle size: less than 2mm x 2mm (platters, ceramic chips, etc.)

With data destruction at this level, you'll know your data has been destroyed beyond any means for maximum security.

KEY FEATURES AND BENEFITS

- High-security multi-stage disintegrator that shreds, separates, and disintegrates all media types to particles of 2mm nominal edge length or less.
- Magnetic separator that separates metal pieces into separate bin for easy recycling.
- Intuitive 7" LCD touch screen interface controls all security access and operational functions.
- Password-controlled access to user, administrator, and service functions.
- Cycle counter to track volume of media destroyed and maintenance required.
- Floor mounted with leveling feet and built-in casters for mobility.
- Automatic jam recovery.

BUILT-IN ENVIRONMENTAL HEALTH AND SAFETY

- Debris accumulates into two separate collection bins for efficient recycling.
- HEPA Filtration system traps any potentially harmful airborne particulates from the crushing and shattering of circuit boards, electronic components, and silicon-based integrated circuit chips.
- RFI and EMI Suppression to minimize interference with other electronic equipment in the vicinity.
- Noise suppression with a dB average of 95, meeting OSHA acceptable threshold for the workplace.
- Will not operate if lock-out doors are not entirely closed, preventing anything from being caught in the machine's moving parts. The user never has to touch any potentially dangerous debris.

TECHNICAL SPECIFICATIONS - A2

Dimensions	75" (191cm) Height (floor to top of the machine) 70" (178cm) Length (front left to right) 51" (130cm) Width (front to the back of the machine)
Weight (excludes packing and crating)	3,417 lbs./ 1,550 kg. max.
Shipping Weight (includes packing, crating, pallet)	3,867 lbs. (1,754 kg).
Shipping Dimensions	63" (160cm) x 79" (201cm) x 53" (133cm) (H x L x W)
Power Requirement (voltage/frequency/ current)	***See the label on the left side of your machine for specific factory settings*** 400-480 Volts A.C. industrial power, 3-phase, 50/60 Hz, 50-100 Amp., connected to the electrical panel using supplied 4 AWG wire. UL and IEC panel and electrical components for safety.
Current Drawn	17.0 Amps (no load) at 480 Volts A.C., 3-phase, 50/60 Hz
Power Cord Included	Length: 20 ft. (6 m) 4 AWG, 4 Conductor, UL 498, IEC 309-1 and 309-2 480V 3P+Earth/ground
Ambient Operating Temperature	40 - 100 °F (4 – 37.8°C)
Media Sanitization Modality	Media shredded and disintegrated to a nominal edge length of 2mm or less.
Acceptable Media	HDD and Enterprise HDD (includes HAMR, MAMR, EAMR, and Hybrid) (allows feeding of HDD rails and brackets), SSD, Enterprise SSD, Motherboards, Switches, Routers, PCIe/NVMe, PDA, SIM cards, cell/ smartphones, tablets, laptops, circuit boards, and USB drives.
Media Sanitization Throughput	Disintegrates all media within seconds: **Switches 130 /hr. • HDD 240-480 /hr. • SSD 1,440/hr.** Based on media type and standard form factor testing.
Feed Opening	**First-Stage Gate:** 3" (8cm) x 21" (53cm) **Third-Stage Gate:** 1.6" (4cm) x 5.5" (14cm)
Machine Control/ Monitoring	Switch on manually. Security access, machine control, and Status via PLC touch screen.
Deployment/ Transportability	Floor mounted. Has built-in casters for mobility with optional leveling feet and seismic tie-downs for stability.
Debris Collection	Two separate debris collections: Data carrier is disintegrated into HEPA vaccum, and ferrous material is deposited into the recycling bin.
Jam/Unjam	Automatically recovers from a media jam or shuts down if recovery is unsuccessful, allowing for manual unjamming.
Safety	Fully automatic and hands-free. The machine will not operate if the safety interlocks are not engaged. The user never has to handle potentially dangerous debris, and it features HEPA filtration to meet MRV8 air quality standards.
Technical Support	On-call technical support service department; nationwide and international technical support teams can be deployed for repairs or maintenance.
Compliance	Global Safety and EMC Standards, Global Environmental Requirements, GMA, NIOSH, and OSHA workplace compliance. HEPA filtration meets MRV8 air quality standard