Phiston

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!
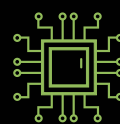
ACCEPTABLE MEDIA

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 is the market's first and only ALL MEDIA disintegrator that will disintegrate all types of media including hard disk drives and switches to meet the NSA/CSS standard of 2 mm nominal edge length or less.

The MD-HTP-A2 was made 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 (Gauss). 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 MediaDice® All Media Disintegrator not only considers varying sizes, materials, and components to destroy but also promotes the operator's safety and all-around security in the destruction and disposal of sensitive media.

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 E7 security levels for HDDs and SSDs, exceeding all NIST SP 800-88 for extremely high protection requirements of sensitive media and NSA/CSS EPL devices designed for media sanitization.

THE DATA IS DESTROYED IN THREE STAGES:

- **1st Stage** (Shredder): Rough cut, particle size: 20 mm X 20mm.
- **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 in retrieving data for maximum security and peace of mind.

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 until safely disposed of.

• 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 below 85db, the 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

Dimensions (H x L x W)	70" (178cm) x 42" (107cm) x 70" (178cm) (H x L x W)
Weight (not shipping weight)	3,417 lbs./ 1,550 kg. max.
Power Requirements	380-460 Volts A.C. industrial power, 3-phase, 50/60 Hz, 100 Amps., connected to the electrical panel using supplied 4 AWG wire. UL and IEC Panel and electrical components for safety.
Ambient Operating Temperature	40 – 100 °F (4 – 37.8°C)
Media Sanitization Modality	Media shredded to a nominal edge length of 2mm or less.
Media machine designed to sanitize	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.
Machine Control/ Monitoring	Switch on manually—security access, machine control, and Status via PLC touch screen. The touch screen display provides comprehensive system data.
Media Feeding	Manual loader for ease of feeding drives and switches.
Debris Collection	E-waste separation is disposed of in a roller bin, and pulverized sanitized debris accumulates in a sealed, locked HEPA vacuum canister until safely disposed of. Up to 50lbs./28kg debris collection.
Jam/Unjam	Automatic jam recovery.
Safety	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 potentially dangerous debris.
Destruction Rate	Disintegrates up to 360 to 400 HDDs per hour (1 HDD every 10 seconds) based on standard form factor testing. • Switches 400 /hr. • HDD 360 /hr. • SSD 720/hr.
Maintenance	Periodic replacement of vacuum bag and/or HEPA filters. Periodic service by qualified service personnel approved by Phiston may be required to replace the mill knives.
Compliance	NIOSH and OSHA workplace compliant for quiet and safe operations, emergency stop button included.HEPA filtration meets MRV8 air quality standard EMC and GMA compliant; EMI/RF interference suppression.
Options	One-year manufacturer's limited warranty standard, optional 2-year limited warranty available.
Technical Support	On-call technical support service department; nationwide and international technical support team that can be deployed when repairs or maintenance is needed.