

**MEDIADICE® ALL MEDIA DISINTEGRATOR (MD-HTP-A10)**

**THE ULTIMATE WEAPON IN DATA DESTRUCTION HAS ARRIVED!**



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 10mm x nominal edge length or less.

The MD-HTP-A10 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 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-A10's disintegrator and shredding system apply multi-stage media shredding and separation technology to meet DIN 66399 Class 3 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: 20mm
- **2nd Stage** (Hard Metal Separator): Spindle and large steel component magnetic separator.
- **Final Stage** (Dual Roller Stage): Fine cut, particle size: less than 10mm x 10mm (platters, ceramic chips, etc.)

## KEY FEATURES AND BENEFITS

- High-security multi-stage disintegrator that shreds, separates, and disintegrates all media types to particles of 10mm 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 - A10

Dimensions	75" (191cm) Height (floor to top of the machine) 70" (178cm) Length (front left to right) 53" (130cm) Width (front to the back of the machine)
Weight (excludes packing and crating)	3,836 lbs./ 1,740 kg. max.
Shipping Weight (includes packing, crating, and pallet)	4,286 lbs. (1,944 kg).
Shipping Dimensions	63" (160cm) x 79" (201cm) x 53" (133cm) (H x L x W)
Power Requirements (voltage/frequency/current)	<b>See the label on the left side of your machine for specific factory settings</b> 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 to a nominal edge length of 10mm 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: <b>Switches 130 /hr. • HDD 240-480 /hr. • SSD 1,440/hr.</b> Based on media type and standard form factor testing.
Feed Opening	<b>First-Stage Gate:</b> 3" (8cm) x 21" (53cm) <b>Third-Stage Gate:</b> 1.6" (4cm) x 5.5" (14cm)
Machine Control/Monitoring	Switch on manually. Security access, machine control, and Status via PLC touch screen.
Debris Collection	Media are shredded and deposited into collection bins, each tier having its designated bin.
Jam/Unjam	Automatically recovers from a media jam or shuts down if recovery is unsuccessful, allowing for manual unjamming.
Deployment/Transportability	Floor mounted. Has built-in casters for mobility with optional leveling feet and seismic tie-downs for stability.
Safety	Fully automatic and hands-free. The machine will not operate if the safety interlocks are not engaged, ensuring that hands or clothing cannot be accidentally caught in the moving parts. 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.