

Phiston MediaVise[®] Rackmount Solid-State Drive (MVR-SSD) Destroyer

The Phiston MediaVise Rackmount SSD Destroyer (MVR-SSD) is the first and only commercially available, rack mountable solid-state drive and digital media destroyer.

- The MVR-SSD has a large versatile crushing chamber that allows it to destroy, disable and render inoperable, **without any special adapters**, a variety of miniaturized electronic devices and data storage media including USBs, PDAs, cell/smart phones, laptop HDDs and circuit boards. It will also crush and disable a limited number of computer HDDs (see specifications).

PRODUCT FEATURES

- The MVR-SSD utilizes Phiston's proprietary 20 Ton (40,000 lbs.) MediaVise hydraulic crushing platform fitted with a pair of patented crushing plates with arrays of 187 interlocking razor sharp hardened steel teeth (see below).
- The crusher doesn't simply bend SSDs leaving chips intact;** it chews them with up to 187 teeth piercings of the SSD media. Fragile ceramic memory chips and controllers are punctured, crushed and serrated on both sides, **in less than 30 seconds, including automatic debris ejection and containment.**
- Built-in Worker and Environmental Health and Safety features:**
 - ✓ Fully automated, hands-off operation for user safety
 - ✓ Debris accumulates in collection bin 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 memory and integrated circuit chips.
 - ✓ RFI and EMI Suppression to minimize interference with other electronic equipment in the vicinity
 - ✓ Noise suppression to 65db which is much quieter than the 85db threshold acceptable to OSHA for workplace
 - ✓ Machine automatically powers off to conserve energy

MVR-SSD Patented Crushing Plates below, and Destroyed Media
Designed specifically for SSD destruction, the large number and high density of teeth on the crushing plates ensure maximum destruction of memory chips and other electronic components in solid state devices.

**The first and only rack mountable
SSD destroyer**



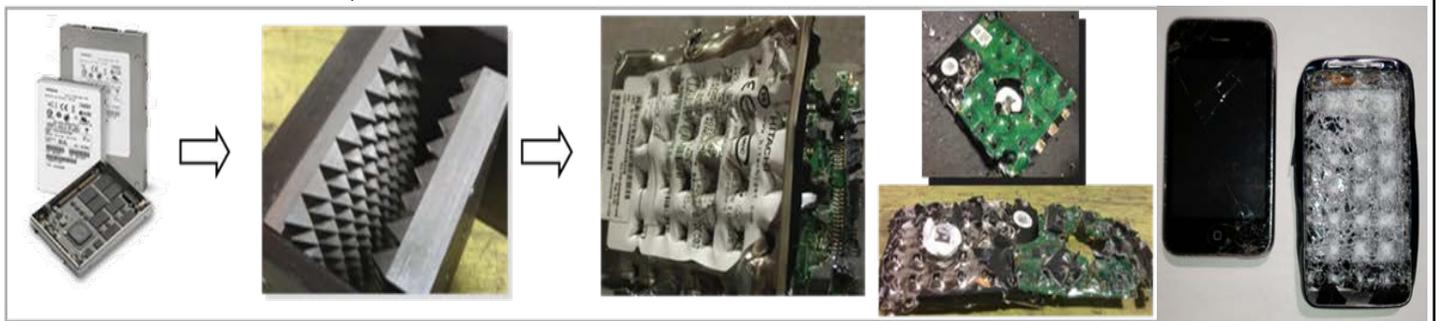
Simple, Safe 2-Step Operation

1. Insert Device
2. Press Crush

Device is crushed and ejected into safe debris storage drawer. **User never touches hazardous debris.**

KEY BENEFITS

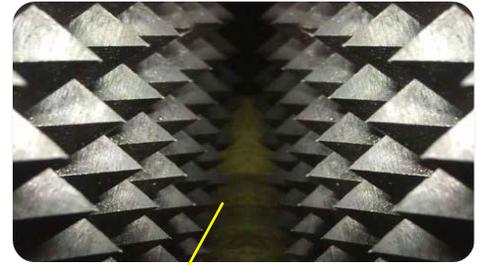
- Compact and portable SSD destroyer (footprint of only 22.5" x 9.5", and 16" tall). Safe for deployment in offices and data centers, on a mobile rack or on a truck
- Media destruction can be performed in-house, at source, so the media never leaves your custody intact, or entrusted to a contractor
- Simple, user friendly, 2-step, automated operation
- No special adapters needed for power or for crushing various solid-state media
- Crushing plates never need to be sharpened or replaced



EVALUATIONS

- Approved by the Royal Canadian Mounted Police (RCMP) for Secure Destruction of SSDs and Miniaturized Electronic Devices including USBs, PDAs and cell/smart phones containing or having processed:
 - Protected A or B, or Confidential Information. Prior clearing or overwriting is recommended but **not** required.
 - Secret or Protected C information; provided information was encrypted or first cleared or overwritten.
- Approved by the RCMP for Interim Destruction pending further Approved Destruction. The MVR-SSD renders HDDs, SSDs and Miniaturized Electronic Devices unplayable by ordinary means and is therefore approved as a risk mitigation measure for media in transit to, or awaiting additional destruction required for medium and confidentiality levels of information.
- Approved by RCMP for secure destruction of HDDs containing or having processed:
 - Protected A and B information. Prior clearing or overwriting is **not** required.
 - Secret or Protected C information provided information was encrypted or first cleared or overwritten
- CE/EU Listed

Unmatched in the industry, 20 colossal tons of crushing force on 187 sharp, hardened-steel teeth inside the MVR-SSD's crushing chamber, rip into and destroy solid-state storage media



Phiston MVR-SSD can be factory installed and shipped in a Mobile Rack (left). Optional Laptop and SSD erasers may be added by the user for a complete mobile erasure and destruction platform.

Simple, safe 2-step operation

1. Insert device
2. Press **crush**

Device is crushed and ejected into a safe debris storage drawer. User never touches hazardous debris.

The MVR-SSD comes standard with large capacity secure debris drawer and mounting hardware for installation in rack systems.

Phiston MediaVise® Rackmount SSD Destroyer Technical Specifications

Model	MVR-SSD
Machine Weight (Excluding packaging and crating)	180 lbs. – 110 volt model 196 lbs. – 220 volt model
Machine Dimensions	15.8 H x 28.4 L x 18.8 W Occupies 9 standard rack unit spaces
Shipping Weight	245 lbs. – 110 volt model 261 lbs. – 220 volt model
Shipping Dimensions	25" x 39" x 36" (H x L x W)
Power Requirements (voltage / frequency / current)	220 Volts A.C. ±10%, 50/60 Hz, 7.5 Amps 110 Volts A.C. ±10%, 50/60 Hz, 15 Amps Factory Configured for any international power supplies
Maximum Media Size that can be put in the crusher	Up to 5.75" x 1.25" x 4" (H x L x W). Depending on their sizes, up to 2 smaller SSD devices or 2 laptop HDDs at a time may be crushed provided they fit easily in the crusher (do NOT force in).
Full Crushing Cycle Time (From loading device until safe ejection and containment of debris)	Less than 30 seconds from loading until crushed media are safely and automatically ejected into debris bin. No attachments or adapters to install or change. No need to touch or manually remove sharp debris, or to clean the crushing chamber after each use.
Media Accepted	Dedicated SSD destroyer (no adapters required), cell phones, circuit boards, memory chips. The MVR-SSD will also crush computer HDDs making them inoperable, however, this application is recommended only for emergency destruction of HDDs , and only in limited numbers as the hard metal casings of HDDs will quickly dull the sharp pyramidal teeth of the MVC-SSD.
Debris Collection	Debris is ejected directly into the included collection drawer that holds up to 75 destroyed SSDs
Maintenance/Longevity	50,000 Cycles MTBF. No blades to be replaced or sharpened
Technical Support	On-call technical support service department; nationwide and international technical support team that can be deployed if and when repairs or maintenance needed.

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