



The DiskMantler™ Suite

Automated HDD Disassembly for Intact, High-Value Recovery

Demagnetizes neodymium magnets and dismantles hard drives to maximize material value and recycling efficiency.

The DiskMantler™ Suite is an integrated system designed for data centers, recyclers, and ITAD operators who want more value from every hard drive. The system first demagnetizes internal neodymium magnets, then automatically dismantles HDDs into clean, intact material streams ready for sorting. By eliminating magnetic clumping and replacing shredding with automated disassembly, the DiskMantler™ Suite unlocks higher recovery value across rare-earth magnets, PC Boards, and aluminum.

The DiskMantler™ Suite Advantage

Traditional shredding produces mixed, contaminated output that requires energy-intensive downstream processing. The DiskMantler™ Suite reverses this model by separating materials at the front end—first demagnetizing neodymium magnets and eliminating data with the DeMAG™, then dismantling drives with the DiskMantler™.

This integrated workflow delivers intact, high-value material streams ready for sorting and direct routing to the appropriate processor. Magnets are separated. Components remain intact. Shredding requirements are eliminated and reprocessing is reduced, resulting in higher recovery yields and improved operational efficiency.

Operational Impact

- 🔍 Demagnetizes internal neodymium magnets to eliminate clumping
- 🔍 Enables clean, efficient separation during DiskMantler™ processing
- 🔍 Continuous-duty operation for high-throughput facilities
- 🔍 Permanent data destruction during the DeMAG™ demagnetization process
- 🔍 Optional IRONCLAD® verification

The DiskMantler™

Automated Hard Drive Disassembly

Clean separation of critical materials for higher recovery value and the circular economy.

The DiskMantler™ automatically dismantles hard drives using a combination of shock, harmonics, and vibration to loosen fasteners and release internal components—without cutting or shredding. This process allows rare-earth magnets, platters, PCBs, aluminum casings, and voice coils to remain intact and ready for sorting into clean material streams for efficient downstream recycling.



HDS-35V

DiskMantler™ Operational Advantages

- Separates neodymium magnets, platters, PCBs, aluminum casings, and voice coils into intact, clean material streams ready for sorting
- Separates PCBs in under 7 seconds and the entire drive in under 30 seconds
- Eliminates cross-contamination caused by traditional shredding
- Compact footprint for easy facility integration
- Designed for scalable, high-throughput operations



Scan the QR code to see
The DiskMantler™
in action!

DiskMantler™ Specifications for HDS-35V

Ordering Information	HDS-35SV: United States, HDS-35VA: LATAM • EMEA, HDS-35VE: APAC • EMEA
Certifications/Listings	Patent Pending, CE certified, and TAA compliant
Air Supply	15 CFM @ 120 psi minimum
Power	100~250VAC ±5%, 50/60 Hz
Power Consumption	12W max
Temperature	41°F - 104°F (5°C - 40°C)
Humidity	10%H - 40%H Without condensation
Weight	106 lbs. (48 kg.)
Size (HxWxD)	16.0 x 33.5 x 15.5 (in.), 406.4 x 850.9 x 393.7 (mm)
Warranty	HDS-35V: one-year manufacturer's limited warranty standard HDS-35VE • HDS-35VA: one-year manufacturer's limited warranty standard

Supports DoD (below Top Secret), NIST SP 800-88r1, GDPR, HIPAA, PCI-DSS, CCPA.



**U.S. Department of Energy E-SCRAP
Prize Winner**

Recognized for sustainable innovation
in electronics recycling.

The DeMAG™

Advanced Neodymium Magnet Demagnetization and Data Sanitization

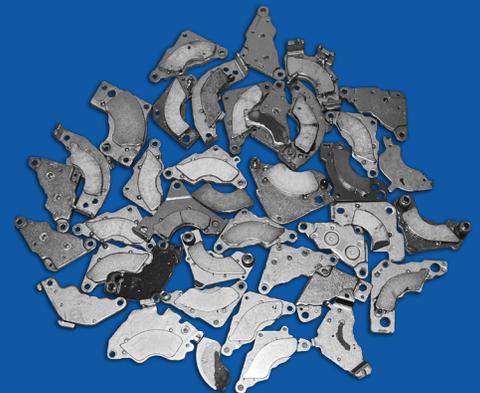
Neodymium magnet demagnetization to eliminate magnetic clumping, with permanent data destruction.

The DeMAG™ applies high-intensity, multi-pulse magnetic fields to demagnetize the internal neodymium magnets while permanently eliminating data on magnetic hard drives. By removing residual magnetism before disassembly, the DeMAG™ allows components to separate easily, improves material recovery, and makes magnets safer to handle and recycle.



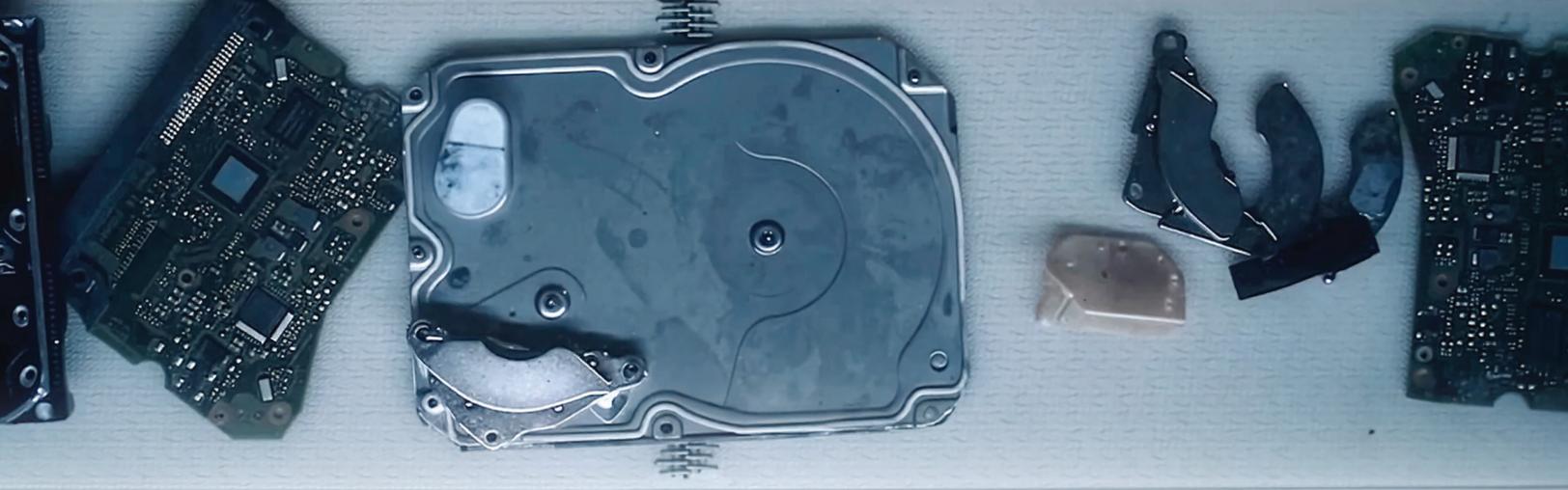
DeMAG™ Operational Advantages

- Demagnetizes internal neodymium magnets to eliminate clumping
- Enables clean, efficient separation during DiskMantler™ processing
- Continuous-duty operation for maximum throughput
- Up to 40,000 gauss multi-pulse magnetic field strength
- Permanent data destruction in under 60 seconds
- Optional IRONCLAD® automated image capture and audit trail



DeMAG™ Specifications

Ordering Information	DFI-414: United States, DFI-414A: LATAM • Canada, DFI-414E: APAC • EMEA
Magnetic Field	4 tesla (40,000 gauss) nominal Max
Erasure Verification	IRONCLAD optional, SCAN-1X optional
Charge Time	26 seconds first charge
Throughput	60/Hour (~60 seconds each)
Media	Standard 3.5" Hard Disk Drive
Power Requirements	100~240VAC ±5%, 50/60 Hz
Power Consumption	During standby: 108 Watts, During charge: 1272 Watts
Degausser System	Alternating polarity, decreasing field, Capacitive discharge
Media Transport Capacity	1 x 4 x 5.8 (inch), 25.4 x 104.6 x 147.3 (mm)
Temperature	41°F - 104°F (5°C - 40°C)
Humidity	10%H - 40%H Without condensation
Weight	199 lbs. (903 kg.)
Size (HxWxD)	26.6 x 11 x 32.25 (in.), 676 x 280 x 820 (mm)
Warranty	DFI-414: One-year manufacturer's limited warranty standard, optional three-year limited warranty available. DFI-414A • DFI-414E: One-year manufacturer's limited warranty standard



Proven, Scalable Deployment

The DiskMantler™ Suite is deployed across data centers, ITAD operations, and recycling facilities worldwide. Systems are configured for scalability, from single-station processing to multi-unit, parallel lines capable of handling hundreds to thousands of hard drives per day.

Field deployments demonstrate consistent throughput, high uptime, and high-purity material recovery, particularly for neodymium magnets and aluminum components, supporting both operational efficiency and downstream recycling value.

Custom Solutions Beyond Hard Drives

Built on modular DeMAG™ and DiskMantler™ platforms, Garner Products also develops custom demagnetization and disassembly solutions for specialized formats, materials, and operational challenges to meet your throughput, automation, and compliance requirements.

Flexible to Your Environment

Scalable Configurations

- 📍 Single-station systems for on-site HDD processing
- 📍 Multi-unit, parallel configurations for high-throughput operations
- 📍 Conveyor-fed and automation-ready options
- 📍 Integration with upstream and downstream material handling systems

Learn more about the DiskMantler™ Suite

Scan the QR code for technical details, workflows, and regulatory guidance.



GARNER
PRODUCTS, INC.

Proudly Made in the U.S.A.
©2026 Garner Products, Inc. All rights reserved.

GarnerProducts.com
1-800-624-1903 | 916-784-0200
info@garnerproducts.com