

#### Global Leader in High Security Information **End-of-Life Solutions for Over 50 Years**











### High Security Information End-of-Life Solutions

Data destruction solutions to meet any security regulation and for all types of data storage media including paper, hard drives, solid state media, optical media, currency, ID/credit cards, dog tags, cell phones, tablets, and eMedia.



























### Information Destruction 101



### High Security: NSA Listed

High security paper shredders suitable for top secret and classified document destruction must be evaluated by the NSA to ensure they produce waste particles less than 1mm x 5mm. In addition, all controlled unclassified information (CUI) in the Executive Branch must also be destroyed to 1mm x 5mm. All SEM high security shredders are on the NSA Evaluated Products List (EPL) and are DIN 66399 level P-7.

#### Non-Classified

While non-classified paper shredders do not meet NSA or CUI requirements for high security paper destruction within a government environment, they nonetheless provide a high degree of protection and are ideal for sensitive, non-government applications including HIPAA, FACTA, FISMA, PIPEDA, PHI, and PCI paper shredding. These devices are faster and less expensive than high security shredders and produce a DIN level P-4 4mm x 40mm particle.



#### CUI: NSA Listed

Executive Order 13556 "Controlled Unclassified Information" establishes a program for managing CUI. All information that requires safeguarding or dissemination controls consistent with law, regulations, and government-wide policies is CUI/ PII, including Federal HIPAA, SBU, FOUO, and PHI. The CUI directive, which affects all Executive Branch agencies, has clear requirements for information end-of-life, mandating that all CUI information be destroyed to NIST 800-88 specifications, which for paper is a 1mmx5mm final particle size — the same particle size as required by the NSA for classified and top secret information. All NSA listed SEM paper shredders meet the CUI requirement.



Physical destruction is an option for rendering data inaccessible on rotational hard disk drives (HDDs). For unclassified magnetic media, crushing or shredding is acceptable. However, for classified magnetic media or for added security, it is necessary to degauss drives with a degausser listed on the NSA/EPL then physically destroy them using an NSA evaluated crusher or HDD shredder. This two step approach is mandated by the NSA for classified data.



### SSDs

Unlike rotational platter based hard drives and other magnetic media, solid state drives (SSDs) and devices CANNOT be degaussed. As such, physical destruction is required. SSDs store vast amounts of data on small flash memory chips, and the only way to ensure that the data is not recoverable is to damage or destroy each and every chip using a device specifically designed for SSD destruction. Solid state media includes SSDs, smartphones, cell phones, PDAs, tablets, printed circuit boards, SIM cards, cameras, ID badges, common access cards, credit cards, USB flash drives, and compact flash.

- SSD Crushers are ideal for low volume destruction of solid state drives and devices.
- **SSD Shredders** are recommended for high volume destruction of any type of SSD. They produce final waste particles of 0.375", small enough to ensure that all flash storage chips are fractured.
- **SSD Disintegrators** provide the most complete chip destruction and highest level of security. SSD disintegrators continuously cut SSDs until they are small enough to pass through a waste sizing screen. In the case of classified data destruction, the NSA standard requires the SSD to be destroyed to a particle size of less than 2mm<sup>2</sup>.



### **Optical Media**

Optical media is a stable, long-term storage solution and includes CDs, DVDs, and Blu-ray Discs (BDs). Even fragments of these discs can contain large amounts of data, so destruction to extremely small particle sizes is necessary. Optical media can be destroyed to NSA requirements in two ways: shredding or disintegration. The NSA Standard for Optical Media requires a waste particle with a maximum edge size of 5mm for CDs and 2mm for DVDs/BDs.











### Mixed Media

The category of mixed media includes cell phones, smartphones, tablets, flash cards, thumb drives, SIM cards, credit cards, common access cards (CACs), and more. Like optical media, the amount of data that can be contained on small fragments can be substantial. For mixed media, disintegration to a 2mm<sup>2</sup> particle size is necessary to meet NSA requirements.



### Magnetic Media Degaussers

Degaussers create powerful magnetic fields to sanitize magnetic storage media, rendering the drive useless. Degaussable media includes rotational hard drives; computer, audio, and video tapes; and magnetic removable storage media such as floppy, ZIP, JAZZ, REV, and Syquest disks. Classified data stored on magnetic media must be degaussed in an NSA listed degausser prior to being physically destroyed in an NSA listed crusher or shredder.



NSA Listed:	Yes	_	_	_
Throughput/hour:	Up to 570 drives	Up to 570 drives	Up to 360 drives	Up to 60 drives
Dimensions (HXWXD):	23" x 11.4" x 19"	23" x 11.4" x 19"	18.9" x 13.3" x 13"	6" x 17.8" x 13.3"
Weight:	160 lbs.	160 lbs.	66 lbs.	34 lbs.
Туре:	Electromagnetic	Electromagnetic	Electromagnetic	Electromagnetic
Magnetic Field:	2.0 Tesla/20,000 gauss	1.6 Tesla/16,000 gauss	0.94 Tesla/9,400 gauss	1.0 Tesla/10,000 gauss
Electrical:	120-240V— 50-60hz; auto sensing voltage	120-240V— 50-60hz; auto sensing voltage	120-240V— 50-60hz; international voltage available	120-240V— 50-60hz; international voltage available
Verification Method:	Built-in magnetic field sensor with visual field verification	Built-in magnetic field sensor with visual field verification	Built-in magnetic field sensor with visual field verification	Audio verification
Gov. Price / Comm. Price:	\$15,750 / \$17,640	\$10,999 / \$12,318	\$7,575 / \$8,484	\$3,350 / \$3,752

#### Recertification

To be certain degaussers are functioning properly, NSA guidelines suggest that degaussers "should be retested periodically according to manufacturer's recommendations." SEM performs the most comprehensive and accurate recertification by using a high density hard drive. Drives are degaussed in the customer's unit and then sent to a forensic laboratory where experts search for remnant data using sophisticated test equipment. The degausser is recertified when no evidence of data is found on the drive. Industry best practices dictate that certification should be performed annually at a minimum.



# NSA Listed Degauss, Destroy, Document Bundle

**Government Price: \$22.575** 

Track end-of-life solutions and export for auditing purposes — meets NSA/CSS EPL standard for destruction of classified drives by first degaussing and then destroying the drive. System is fully SCIF compliant, compact, portable, and appropriate for the destruction of all levels of classified magnetic drives including SCI.

### Includes the following components:

- SEM iWitness Software System Bundle
- SEM Model EMP1000-HS NSA Listed Degausser
- SEM Model 0101 NSA Listed Automatic Hard Drive Crusher







# Enterprise IT Shredders

All SEM enterprise IT shredders are noted on the NSA/CSS EPL for HDD Destruction Devices and meet DIN Level H-4. They are also available as combo shredders, destroying both HDDs and SSDs in one convenient device. SEM HDD/SSD shredders destroy SSDs to a 0.375" final particle size and HDDs to a 1.5" final particle size (available 0.75" final HDD particle on Model 0304). Devices can be configured in a variety of options to fit specific usage, power, and space requirements, including a HEPA filtration package for ultimate health and safety. Enterprise IT shredders are also available in a Premium Kit configuration — see website for details.





SEM SSD disintegrators destroy to a 2mm<sup>2</sup> final particle size and include state-of-the-art sound dampening insulation. In addition, they can be fully customized to meet volume and space requirements and come equipped with a variety of safety, ease-of-use, and convenience features.





	SSD1-HS	2SSD	
Throughput Capacity:	Up to 100 per hour	Up to 500 per hour	
Media Accepted:	Solid state boards, USB drives, SD cards, compact flash, micro SD, SIM cards, RAM, cell phone components, and optical media	SSDs in casing, USB drives, SD cards, compact flash, micro SD, SIM cards, RAM, cell phone components, and optical media	
Dimensions (HXWXD):	24" x 40" x 38"	49" x 53" x 34"	
Electrical:	120V/60Hz; international voltage available	3-Phase 460/230/208—60Hz; international voltage available	
Waste Collection:	Internal 4-gallon vacuum with HEPA filter	Aluminum 3-gallon bin, carbon-based pre-filter, and HEPA air filtration system	
Gov. Price / Comm. Price:	\$38,054 / \$42,620	\$46,568 / \$52,156	

# Optical Media Destroyers

SEM's complete line of optical media destroyers are listed on the NSA/CSS EPL for CD destruction while SEM's Model 0200 OMD/SSD (including cabinet version) is listed on the EPL for ALL optical media.



	0200 OMD/SSD-C	0200 OMD/SSD	0202 OMD	OfficeShredHS
NSA Listed:	Yes — CDs, DVDs, BDs, EMV credit cards, magnetic stripe cards, CAC IDs, SIM cards	Yes — CDs, DVDs, BDs, EMV credit cards, magnetic stripe cards, CAC IDs, SIM cards	Yes — CDs	Yes — Paper, CDs, DVDs, BDs, EMV credit cards, magnetic stripe cards, CAC IDs, SIM cards
Throughput Capacity:	Up to 1,091 items per hour	Up to 1,091 items per hour Up to 2,400 items per hour		Paper: 5 reams feeding 3 sheets IT: up to 1,091 items per hour
Final Particle Size:	<1mm x 2mm	<1mm x 2mm	2mm x 3.9mm	Paper: 1mm x 5mm IT: <1mm x 2mm;
Dimensions (HXWXD):	34" x 18.5" x 19.5"	7.8" x 9.4" x 11.5"	32" x 20" x 18"	31" x 32" x 19"
Waste Collection:	3-gallon internal vacuum	Requires external vacuum	15-gallon internal bin	Paper: 10-gallon internal bin IT: 1-gallon vacuum
Electrical:	110/115V—60hz or 220V—50Hz	110/115V—60hz or 220V—50Hz	Auto sync dual voltage 120V—60Hz or 230V—50Hz	110/115V—60hz
Gov. Price / Comm. Price:	\$4,999 / \$5,598	\$2,999 / \$3,358	\$3,895 / \$4,362	\$7,499 / \$8,398

SEM's mixed media disintegrators are versatile devices that are suitable for the destruction of both mixed media and optical media as well as paper. All devices on this page are listed on the NSA/CSS EPL for paper. CDs. and key tape (with 5/64" screen).



	200	200 Marine	DS-200	DS-400
NSA Listed:	Yes — CDs, Paper. Key Tape			
Throughput Capacity:	Up to 75 lbs. per hour	Up to 70 lbs. per hour	Up to 100 lbs. per hour	Up to 200 lbs. per hour
Media Accepted:	Optical media, paper, small eMedia			
Final Particle Sizes:	2mm-9mm, depending on screen size			
Dimensions (HXWXD):	59" x 51" x 25"	42.25" x 24.5" x 22.75"	59" x 51" x 25"	65" x 51" x 25"
Waste Collection:	35 gallon vacuum with self-cleaning filter	3-gallon vacuum	35 gallon vacuum with self-cleaning filter	35 gallon vacuum with self-cleaning filter
Motor:	0.5 HP	0.5 HP	1 HP with 0.5 HP pre-shredder	3 HP
Electrical:	115V—60Hz, 20 amp; international available	115V—60Hz, 20 amp; international available	115V—60Hz, 30 amp; international available	208/230/460 3-phase; international available
NSN:	7490014616124	_	7490015045606	_
Gov. Price / Comm. Price:	\$8,707 / \$9,752	\$9,048 / \$10,134	\$11,214 / \$12,560	\$16,317 / \$18,275

### Which Device Should I Buy?

While it is fairly straightforward when it comes to hard drives, figuring out which device to purchase for other types of media can be a challenge. Below is a helpful chart to assist you in determining the best solution for your application. Still have questions? Call, email, or chat on our website!

	NSA Listed Paper Shredders	Non-Classified Paper Shredders	Optical Media Destroyers	Mixed Media Disintegrators	Paper Disintegrators
NSA Listed	Yes — Paper	No	Yes — CDs, DVDs, BDs, EMV credit cards, magnetic stripe cards, CAC IDs, SIM cards ( <b>Note</b> : 0202 is NSA listed for CDs only)	Yes — Paper, CDs, Key Tape	Yes — Paper, CDs, Key Tape
Primary Media Accepted	Paper	Paper	CDs, DVDs, BDs	Optical media, key tape, ID/credit cards, thumb drives, small eMedia	Paper, CDs
Secondary Media Accepted	_	Optical media, dog tags, staples/paper clips, ID/credit cards,	ID/credit cards, SIM cards	Paper (low volume)	Cardboard boxes, burn bags, books, manuals, drawings
Volume	Low to Medium: Up to 24 reams per hour feeding up to 10 sheets at a time	Low to High: From 10-600 sheets per pass	Low to Medium: From 1,091 to 2,400 items per hour	Low to Medium: From 70 to 200 lbs. per hour	High to Very High: From 1,000 to 3,000 lbs. per hour
Environment	Offices	Offices, warehouses, centralized destruction	Offices	Offices, warehouses, ships	Warehouses, centralized destruction





# A Tradition of Excellence for Over 50 Years



**Len Rosen**, SEM Founder and Korean War Veteran

On January 23, 1968, the USS
Pueblo, a Navy intelligence
vessel, was engaged in a
routine surveillance of the
North Korean coast when it was
intercepted by North Korean
patrol boats. According to U.S.
reports, the Pueblo was in
international waters almost 16
miles from shore, but the North

Koreans turned their guns on the lightly armed vessel and demanded its surrender. The Americans attempted to escape, and the North Koreans opened fire, wounding the commander and two others. With capture inevitable, the Americans stalled for time, destroying the classified information aboard while taking further fire. Unfortunately, the volume of material on board was so great that it was impossible to destroy it all prior to capture, and only a small amount of the classified material was destroyed.

Upon learning of the "Pueblo Incident," Korean War Veteran Leonard Rosen was struck with the idea that there must be a better way to destroy classified information, and he began working to develop a faster, more efficient and secure method. Within weeks he had developed the concept for the world's first paper disintegrator — and the SEM legacy was born.

In 2019, SEM commissioned military artist Richard DeRosset to paint the USS Pueblo attack. The painting was overseen and signed by USS Pueblo crewman Marine Sergeant Robert Chicca. The painting is historically accurate in terms of the number of boats, planes, and locations.





# Centralized Paper Destruction

### **NSA Listed Disintegrators**

All SEM disintegrators are on the NSA EPL for paper, key tape, and CDs. In addition, they are available with final particle sizes ranging from 2mm to 25mm depending on screen size, use 3-phase electrical, and are fully customizable with a variety of options including horsepower, waste evacuation systems, sound enclosures, and enhanced user interfaces. SEM's dual stage disintegrators (3000 and 1400 series) are ideal for bulk destruction.







### 引 Industrial Paper Shredders

High volume industrial paper shredders are ideal for extremely high volumes of non-classified document destruction. SEM offers a full line of high volume industrial paper shredders with feed rates range from 60 sheets up to 600 sheets per pass. For the ultimate recycling system, our high volume shredders are available with optional conveyors and integrated balers. All SEM high-volume shredders accept paper, optical media, staples, paper clips, and credit/ID cards; use 3-phase electrical; and can be configured with a variety of options, particle sizes, and accessories — see website for details.



Sheet Capacity/Pass:	Up to 70	Up to 90	Up to 160	Up to 600
Feed Opening:	18"	16"	16"	20"
Dimensions (HXWXD):	67" x 29" x 30"	49" x 67" x 56"	47.25" x 59" x 36"	67.5" x 40.75" x 85.5"
Bin Capacity:	60 gallon	80 gallon	80 gallon	80 gallon
Motor:	3 HP	4 HP	5 HP	24 HP
Features:	Accepts bulky, crumpled paper	Extra large feed table with conveyor belt	Accepts bulky paper and corrugated cardboard boxes	Powerful centralized destruction; extra large feed table with conveyor
Gov. Price / Comm. Price:	\$7,821 / \$8,759	\$9,599 / \$10,750	\$16,065 / \$17,992	\$27,999 / \$31.358



### Non-Classified Paper Shredders

At standard configurations, SEM's non-classified paper shredders are DIN level P-4 and produce a 4mm x 40mm particle, and are also available at DIN level P-5 with a 2mm x 15mm particle. All SEM non-classified shredders are capable of destroying paper, optical media, staples, credit/ID cards, and paper clips. All low to mid-volume non-classified shredders are available with either 115V—60Hz or 220V—50Hz electrical.



	1324P	2226PWU	3140PW0	5141P	F65
Sheet Capacity/Pass:	Up to 5	Up to 11	Up to 38	Up to 52	Up to 65
Feed Opening:	9.5″	10.25"	16"	16"	12.2" paper, 5.5" optical
Auto Oiler:	_	Yes	Yes	Yes	OIL-FREE OPERATION
Dimensions (HXWXD):	25"x15.5"x11.5"	36.5"x19.5"x18.5"	38.5"x25"x23"	40"x25"x23"	37.2"x19.8"x20.8"
Bin Capacity:	10 gallon	28 gallon	54 gallon	60 gallon	25 gallon
NSN:	_	7490014752736	7490015045602	<u> </u>	_
Gov. Price / Comm. Price:	\$625 / \$701	\$1,399 / \$1,566	\$2,399 / \$2,686	\$3,499 / \$3,918	\$3,899 / \$4,366

# NSA Listed Paper Shredders

All SEM high security paper shredders are listed on the NSA/CSS EPL for Paper Shredders and meet the requirements for the destruction of classified, top secret, COMSEC, SCI, and government CUI information. All high security paper shredders are available with either 115V—60Hz or 220V—50Hz electrical. *All of these shredders produce a 0.8mm x 5mm particle size except for the 344, which produces a 0.8mm x 2.5mm particle size.* 



All devices on this page are approved for classified and CUI destruction.



#### SEM's Best Sellers:









	344	244/4	1201CC	266/4	
Special Features:	Smallest particle on the NSA EPL 0.8mm x 2.5mm	#1 selling high security paper shredder on the market today	100% OIL-FREE eco-friendly paper shredder with replaceable cutting head	Highest volume high security paper shredder	
NSA Listed:	Yes	Yes	Yes	Yes	
Sheet Capacity/Pass:	Up to 8	Up to 13	Up to 10	Up to 18	
NSA 1-Hour Rating:	12 reams/5 sheets	17 reams/8 sheets	18 reams/6 sheets	28 reams/10 sheets	
Feed Opening:	10.25"	10.25"	11.75"	12.25"	
Auto Oiler:	Yes	Yes	OIL-FREE	Yes	
Dimensions (HXWXD):	36.5"x19.5"x18.5"	36.5"x19.5"x18.5"	34"x20"x20"	40"x21.5"x23.5"	
Weight:	106 lbs.	106 lbs.	106 lbs.	225 lbs.	
Bin Capacity:	28 gallon	28 gallon	30 gallon with particle mixer	48 gallon	
NSN:	7490016648153	7490015045605	7490016649499	7490013953263	
Gov. Price/Comm. Price:	\$3,234 / \$3,622	\$2,495 / \$2,794	\$5,485 / \$6,143	\$4,999 / \$5,598	

More Great Options:











	1324C/3	1324C/3W0	2226CC/3	2226CC/3WO	5140C/4
NSA Listed:	Yes	Yes	Yes	Yes	Yes
Sheet Capacity/Pass:	Up to 5	Up to 7	Up to 11	Up to 11	Up to 18
NSA 1-Hour Rating:	5 reams/3 sheets	5 reams/3 sheets	15 reams/6 sheets	15 reams/6 sheets	24 reams/10 sheets
Feed Opening:	9.5"	9.5"	10.25"	10.25"	16"
Auto Oiler:	_	Yes	_	Yes	Yes
Dimensions (HXWXD):	27"x15.5"x11.5"	34"x20.75"x19.75"	36.5"x19.5"x18.5"	36.5"x19.5"x18.5"	40"x26"x23.5"
Weight:	48.5 lbs.	48.5 lbs.	106 lbs.	106 lbs.	253 lbs.
Bin Capacity:	10 gallon	10 gallon	28 gallon	28 gallon	60 gallon
NSN:	_	_	_	7490014810399	7490014616119
Gov. Price/Comm. Price:	\$1,099 / \$1,238	\$1,429 / \$1,600	\$2,050 / \$2,296	\$2,374 / \$2,658	\$5,506 / \$6,166

# The Industry Leader in Data Destruction Devices

#### Leadership and Innovation

For over 50 years, SEM has been the driving force behind document and data destruction innovations that are now considered industry best practices. From the world's first disintegrator to the industry's most successful line of electronic media crushers and shredders, SEM enjoys a reputation for innovation earned from a firm commitment to quality, engineering, design, and product manufacturing.

#### **Engineering and Design**

Using state-of-the-art CAD systems, our engineering team works with our customers in all types of industries — from the DoD community and State agencies to data centers and commercial entities — to implement or create solutions to fit their needs. Our engineering design team creates out-of-box solutions for sanitization of all classified information, many of which are found on the NSA EPLs. Our system integration engineers work with building contractors and architects to create centralized design/build, fully integrated destruction systems. We specialize in development of custom, green solutions from concept to manufacturing using our in-house development phase gate process. Our engineering team prides itself on being a customer focused solution provider. Whether designing a commercial, off-the-shelf solution for government or military use or a customized design/build system for a Fortune 500 company, our dedicated team has the creativity, experience, and aptitude to deliver solutions that consistently exceed expectations.

### Complete Manufacturing Capabilities

Unlike most suppliers of information destruction equipment, SEM is the manufacturer, not just a reseller. Our facility is equipped with state-of-the-art factory automation equipment where we cut, mill, turn, and grind steel used in most of our products. Using ISO14001, our quality management system is second to none, and our manufacturing and quality control staff are industry leaders who take the highest pride



in every item they assemble and test. Our in-house manufacturing capabilities also allow us to react more quickly to customer demands than suppliers who rely on outside contract manufacturers. With an SEM OEM product, you can feel confident you are getting the highest quality product available. *All SEM degaussers, crushers, disintegrators, and hard drive shredders are proudly made in the USA*.

#### **Global Service Providers**

SEM not only designs and manufactures the industry's premier data destruction devices, we also pride ourselves on the level of service we provide. From our dedicated customer care team to our knowledgeable and friendly service technicians, we are here to make sure that your experience with SEM is nothing short of exceptional. SEM service technicians maintain the highest levels of clearances, are located throughout the United States, and are deployed globally to provide consulting, evaluation, installation, and maintenance on our devices. With over 50 years of experience and a dedicated, customer-centric team, SEM is the undisputed leader in the data destruction device industry today.





# **New Products**



### OfficeShredHS UNCLASSIFIED





SEM's OfficeShredHS provides **NSA listed paper and optical media** destruction in one convenient package. The OfficeShredHS includes a stylish cabinet that houses both a 1324C/3 NSA listed paper shredder and an 0200-OMD/SSD optical media shredder that is NSA listed for CD, DVD, Blu-ray Disc, and SSD destruction. Made in the USA.

Dimensions (HXWXD):	31" x 32" x 19"
Waste Collection:	Paper: 10-gallon internal bin IT: 1-gallon vacuum
Electrical:	110/115V—60hz
Gov. Price / Comm. Price:	\$7,499 / \$8,398

**NSA** listed for paper and all optical media including CDs, DVDs, Blu-rays, and small SSDs

### IDShred65



The IDShred65 is enclosed in an all metal cabinet mounted on casters for portability and ease of use in office environments. It also boasts rugged, all steel cutting heads that are specifically designed for the efficient destruction of thick metal cards and dog

tags. IDShred65 has a customized feed slot for cards and tags and is an eco-friendly product, featuring an energy savings mode and oil-free operation. PCI DSS and Intergraf compliant.

Dimensions (HXWXD):	37.2" x 19.75" x 20.75"	
Waste Collection:	25-gallon internal bin	
Electrical:	110/115V—60hz	
Gov. Price / Comm. Price:	\$5,999 / \$6,718	

Easily destroys dog tags and all types of IDs including CAC IDs, plastic and metal credit cards, and driver's licenses.





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#### **SEM GSA Contracts:**



Paper Shredders, Disintegrators, Parts & Accessories: Schedule 75; Contract #GS-02F-0111P, Exp. 03/31/2024

Information Technology: Schedule 70; Contract #GS-35F-005AA, Exp. 08/10/2022 For detailed info on SEM's GSA contracts, visit www.semshred.com/gsacontracts

Cage Code Number 29810 | Federal ID Number 04-2425508 | DUNS Number 00-595-7329

