



Security Engineered Machinery
HQ-WESTBORO, MA (800-225-9293 www.semshred.com)
WASHINGTON, DC; SACRAMENTO, CA; SAVANNAH, GA; PHOENIX, AZ



SEM Model 3 GREEN SYSTEM Medium Duty Disintegrator & Briquettor System

SEM Model 3 GREEN SYSTEM combines your high security disintegration needs with our ECO-Friendly briquetting system, making it the most **GREEN** destruction system available.

"Optional" Sound Enclosure Available



(1) SEM Model 3 Disintegrator

(2) SEM Briquettor with Air Collection System

(3) Air Filter & Dust Collection System

*System shown with optional accessories / upgrades

SEM: **An ISO 14001 Registered Company**
Demonstrating our commitment to a GREEN environment!



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DISINTEGRATOR:

The SEM Model 3 GREEN SYSTEM is the most popular of our Medium Duty Disintegrators, providing high volume destruction in excess of 250 Lbs at NSA Approved 3/32" particle and up to 400 + lbs/hr at larger particle sizes. The Model 3, like all of SEM's Disintegrators **has been evaluated by NSA and meets the requirements of NSA/CSS Specification 02-02 ~ High Security Disintegrators.**

BRIQUETTOR:

The SEM Briquettor is our new mid volume Single Discharge Briquettor designed specifically to work with the SEM Model 3 Disintegrator. The Briquettor is designed to highly compact paper waste resulting in a 90% volume reduction. The SEM Briquettor not only helps your organization to be Eco-Friendly, but may reduce disposal and transportation costs as well!

GREEN SYSTEM:

The Model 3 GREEN System has been tested with the various components listed below for maximum effectiveness and efficiency. The basic system includes the following:

- ❖ Model 3 Disintegrator with 5-Blade Cutting system
 - Includes 10 Hp Motor, Integrated 3/32" Sizing Screen, Hour Meter
- ❖ SEM Single Discharge Briquettor (*see attached details*)
- ❖ Fan Cyclone Evacuation System to transport waste into Briquettor.
- ❖ Customized Air Filtration system to minimize dust.
- ❖ Duct kits, hoses, clamps, hardware, etc. to connect system.

WARRANTY

All SEM Disintegrator Systems are individually evaluated to best suite the customer's needs, while considering budget, space limitations and destruction application. **All new SEM Disintegrators come with a "Lifetime Warranty"**. SEM warrants the "Disintegrator" against defective parts and workmanship for the life of the unit. Wear items are excluded. The **SEM Briquettor** comes with 1 yr. parts & 6 month labor warranty. SEM warrants the "Briquettor" against defective parts and workmanship for the life of the unit. Wear items excluded.



Single Discharge BRIQUETTOR

FEATURES:

- Compact design for high stability
- Easily accessible controls with operation elements for manual control, briquette length
- Rugged building-block construction to meet present and future requirements.
- Continuous material in feed and spiral auger
- Quick erecting design, allowing for most installations under 2 hours.
- Briquette Discharge tubes within 10 ft of system

SPECIFICATIONS

- Individual feed hopper which allows for precise feeding of the in-feed auger of your waste to the pressing chamber with one individual piston and ram which compress your waste by up to 90% of its original volume.
- Separate drive for material agitator and worm gear in feed chamber
- Rugged and compact hydraulic system
- Access Doors – Allowing for manual feeding or maintenance

OPTIONS:

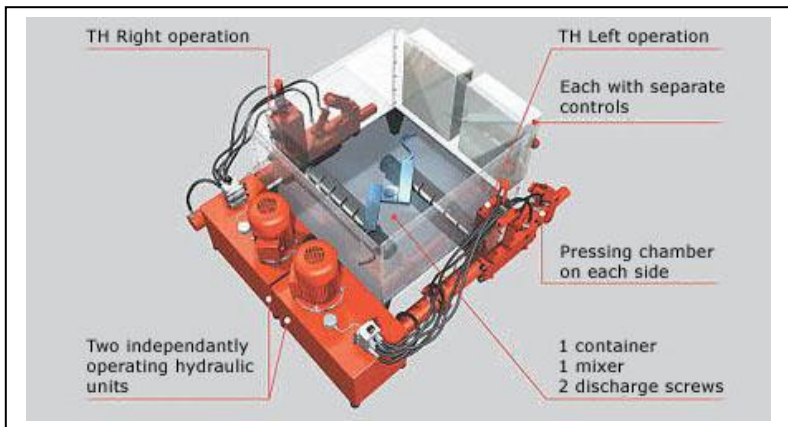
- View Windows - Featuring glazed acoustical glass mounted in self-sealing neoprene gasket.
- Briquette discharge “Extension” tubes to direct your final briquettes to their collection point if greater than 10 feet from machine
- Collection tip bins for ultimate collection of briquettes

WASTE REDUCTION:

- Disintegrated materials take up significant space from storage to transportation. Compact briquettes, in comparison, are space-saving by up to 90% from their original volume. These briquettes may also afford you a high heating value due to their compaction.
- Eco-Friendly due to reduced fuel / disposal costs and reduced landfill consumption.

DIMENSIONS:

- Height 61” x Width 64” x Depth 60”





ABOUT THE SEM MX SOUND ENCLSOURE:

Don't be fooled by competitive enclosures that are constructed of carpeted plywood and foam. The SEM MX Sound Enclosure is a high quality steel constructed system with highly effective mineral wool insulation located between the steel walls. The Enclosure also provides double doors to gain access to the system for repairs / maintenance and waste removal. The SEM MX Enclosure consists of:

- Acoustical Panels - Modular in design, 2" steel thickness. Featuring a 16 gauge outer steel jacket and 22 gauge perforated steel interior. Between these two sheets of steel are 2" of sound insulation material that is wrapped in plastic film eliminating moisture absorption. Panels are seam welded, providing durability and structure integrity.
- Highly absorptive acoustical insulation for optimum noise isolation.
- Special panel connectors eliminating acoustic leaks
- Rugged building-block construction to meet present and future requirements.
- Unique panel removability feature allows for individual panels to be dismantled with out need for supports providing additional access for maintenance.
- Quick erecting design, allowing for most installations under 2 hours.
- Panel connectors are 14-gauge steel construction, sound insulation filled, and when secured in place works much like vise providing a rigid assembly.
- 15 – 25 dBA noise reduction average, actual sound levels will vary based on machine size and destruction material. Consult your sales consultant for specific applications or for a sound test on your system.



SEM MX SOUND ENCLOSURE:
Insulated Steel Construction



COMPETITIVE ENCLSOURE:
Carpeted Plywood Construction

Closed Door
View



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SIDE BY SIDE COMPARISON
 SEM MX STEEL SOUND ENCLASURE vs WHITAKER PLYWOOD ENCLOSURE

SEM – MX STEEL FEATURE	SEM – MX STEEL BENEFIT	WHITAKER – PLYWOOD
Construction Materials - 16 Gauge outer steel and 22 gauge inner steel walls for Maximum Structural Integrity and Sound Reduction.	Steel – Fire Retardant, weather resistant, quality construction. 3/16” Hex Socket Pins for construction strength.	Plywood – Conducive to fire , rot, mold, mildew and collapse. Screws and nails used to construct wood shed.
Acoustical panels with 2” thick absorption (6# / cu feet) of 4 Lb Mineral Wool Insulation integrated between steel walls with plastic film to eliminate moisture.	Fire retardant, integrated between steel walls – most effective for sound reduction. Reduces sound by 22 dB at a “CONFIRMED” STC-40 rating.	Carpet atop plywood with use of EPS (Expanded Polystyrene) between wood walls. Carpet... Not effective as a sound reducing agent. Gets dirty quickly and difficult to clean. EPS... According to sound experts...A-Wall Inc “ EPS is ineffective as a sound barrier”. NOT fire retardant.
Powder Coated paint on steel walls	Dust resistant and easy to clean	Carpet – conducive to dust and difficult to clean – must vacuum
Acoustically sealed doors and seams	Neoprene gaskets ~ Reduce sound and dust emitting from enclosure.	Erected like wooden shed. Not airtight. More noise, more dust emitting from enclosure.
Junction box with internal light	Wiring is neatly connected. Light for safety when maintaining system or changing waste bags	NOT INCLUDED – Less safe . No lights. Dark and dusty inside enclosure.
Integrated surveillance window	Allows user to “see” into enclosure to determine when waste bags are full, etc.	NOT INCLUDED – bags could get filled and clog system reducing productivity.
Operator control panel on outside of enclosure	One button turns on ALL system components from outside of enclosure – easy and safe	NOT INCLUDED – Must go “inside” enclosure to start each component of system individually.... not as safe .
Factory controlled “modular Design”	In advance of shipment - Erected at-factory, disassembled and shipped as a modular system. Insures quality. Can be erected quickly and easily with patented “Speed Erect” system. Can also be moved at a later date and re-assembled quick and easy.	Erected at-site like wooden shed. Quality is dependant on installer and materials used. Once erected, difficult , if not impossible, to move and re-erect .
Built-in Jackscrew adjustment on frame	Easily adjusted to align to uneven floors	NOT INCLUDED - may require difficult to install “ shims ”
Free Standing Roof	Easy to remove walls for access if need be. Don’t need to disturb roof panels where ventilation, filter system and wiring is housed	NOT INCLUDED – Once the roof is “screwed-in”, need to remove it to move walls to gain access to the system. Very difficult!