

SECURITY ENGINEERED MACHINERY

Technical Data Sheet

Heavy Duty Disintegrator

Model: 1424™

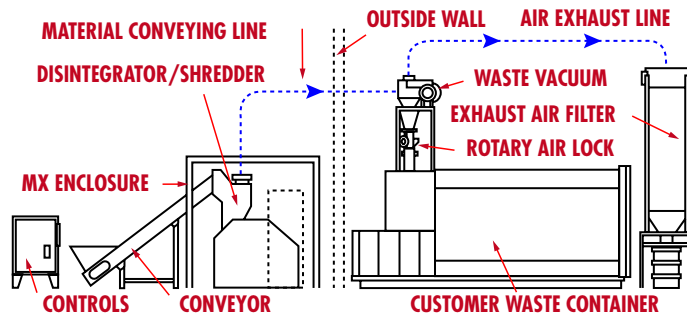
This extra heavy duty disintegrator can easily destroy bound manuals and printouts from 4" to 6" thick. If your application requires high throughput, or your destruction material is extremely dense, this disintegrator can satisfy your needs. 1424 systems are ideal for large military bases and data processing centers.

An MX sound enclosure keeps noise levels low even when destroying the most stubborn materials. To further maximize throughput and system efficiency, our application specialist will work with you to design a material feed system and waste evacuation system.

Available with horsepower ranging from 40-150 HP while providing destruction rates up to 2,000 lbs/hr and meeting NSA/CSS 02-02 requirements for all levels of paper document destruction.



This Disintegrator meets the requirements of NSA/CSS Specification 02-02, High Security Disintegrators and NSA/CSS 04-02, Optical Media Destruction Devices



SEM's engineers can design a complete destruction system including a disintegrator, material feed and waste evacuation components.

Specifications

Motor: 60HP @ 460V/3/60Hz
(100 Amp service recommended at 460V, other voltages available)

Thru-put: Up to 800 lbs/hr DoD
or 2,000 lbs/hr official use

Knives: 3 Rotating/2 Stationary (5 Rotating optional)

Feed Opening: 14" x 24" Front
14" x 24" Top

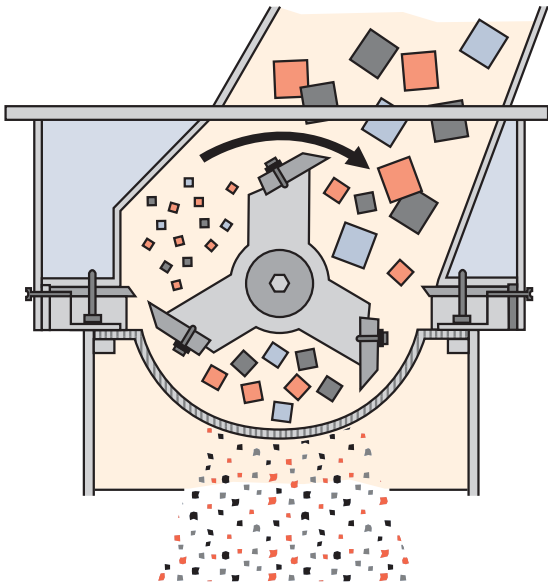
Weight: 6,200 lbs.

Dimensions: 74"H x 80"W x 65"D

Collection System: Varies - Please Consult Factory

Custom industrial solutions available for higher volumes.





How a Disintegrator Works

SEM disintegrators utilize proven rotary knife mill technology to destroy virtually any bulk material into irregularly shaped particles which cannot be reconstructed.

The cutting mechanism consists of 3 knives mounted on a solid steel rotor which pass 2 stationary bed knives. Waste is cut continuously until it is small enough to pass through a perforated steel sizing screen. Once the material passes through, it is collected via an air system or collection bin.

In addition to paper, some other items our disintegrators destroy include:

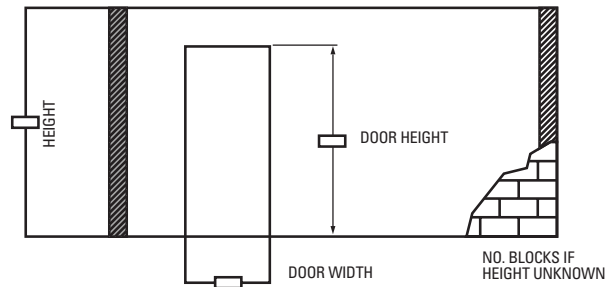
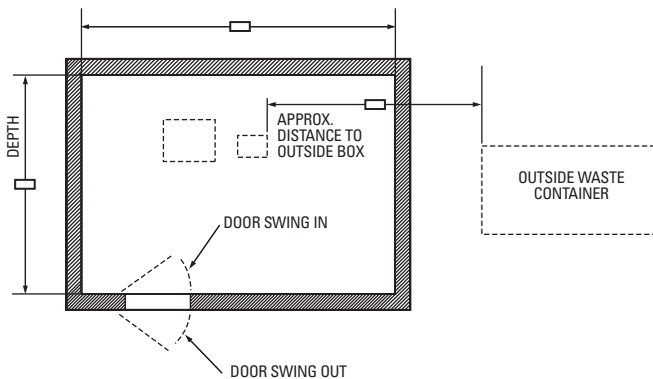
- Books & Bound Documents
- Capsules and Tablets
- Casino Chips and Dice
- Circuit Boards
- Data Cartridges and Tapes
- Plastic Bottles & Tubes
- Returned Goods
- Off-Spec/Obsolete Products
- Hard Drives
- Expired Inventory and much more.

Application Form / Site Check List

Company _____
 Address _____
 City _____ State _____ ZIP _____
 Contact _____ Title _____
 Phone _____ FAX _____
 E-mail _____

Application Information New Upgrade
 Details: _____

Model _____
 Desired Throughput _____
 End Particle Size _____
 Electrical Requirements: Voltage ___ Phase ___ Cycle ___
 Noise Requirements: DbA _____
 Feed Method: Hand Conveyor Other
 Collection: Bag
 Cart/Gaylord
 Dumpster/Compactor - Size



Location of Power Supply _____
 Site Voltage _____
 Loading Dock Fork Truck Available
 Access to Location
 Hallway Size _____ Restriction _____
 Tile Floor
 Freight Elevator Capacity _____ Size _____



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