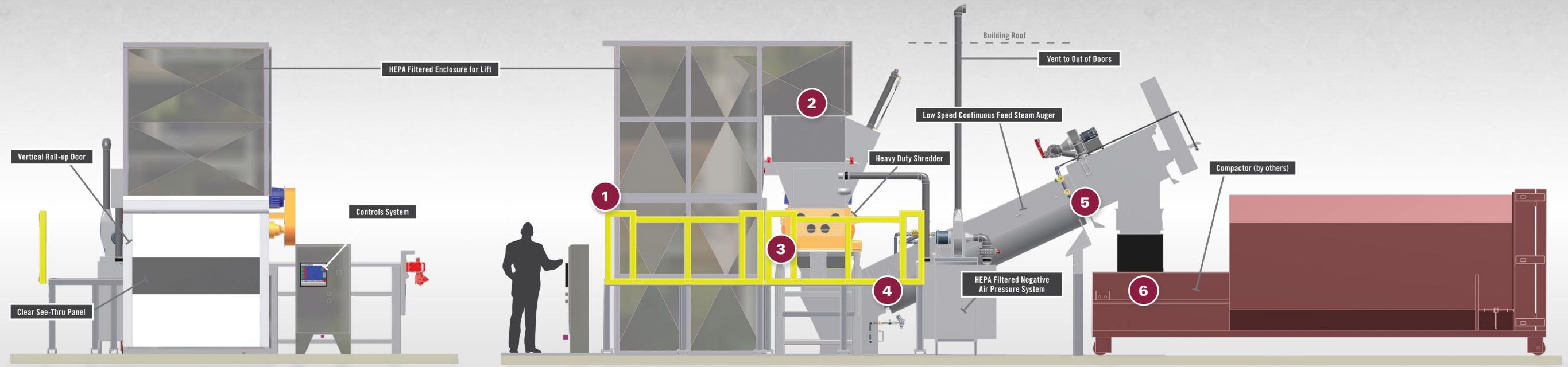


STI BioSAFE

Commercial Medical Waste Treatment Products

The Green solution to providing safety and lower operational costs.



How it Works

The STI Commercial Medical Waste Treatment System has all the attributes and none of the drawbacks of existing products on the market. The residue from the STI System is safe, generally classified as municipal waste, and ready for landfill disposal or recycling.

- Step 1** Regulated Medical Waste, Infectious Waste/ Clinical Waste (including animal bedding) and Import Waste are loaded into the system using wheelie bins or reusable tubs. Contents may include bags, boxes, sharps containers, or surgical trace carts.
- Step 2** Air is drawn from around the feed hopper area through HEPA filters, to capture potential airborne pathogens that could be released during the waste dumping and shredding process.
- Step 3** Containerized waste drops into a heavy duty shredder and steam is directly impinged onto the bags and sharps containers prior to and during shredding. Steam automatically decontaminates the system shredder during operation.
- Step 4** Shredded waste enters the steam auger chamber where low pressure steam is injected through multiple ports immediately bringing all material to proper treatment conditions.
- Step 5** The distal portion of the STI System steam jacket provides continued heating of the waste. In all cases, waste is treated for a minimum of 60 minutes prior to discharge from the auger. The Low Pressure Flash-Off Chamber allows sterile condensate to vent to the atmosphere.
- Step 6** The residue exits the end of the continuous feed steam conveyor (auger) into a standard self-contained compactor and may be recycled or disposed of as municipal waste.

Standard Components

- Vertical Roll-up Door**
(model capacities 600PPH thru 3 metric tons/hour)
Integral automatic loading via single push button operation with clear see-thru panel.
- HEPA Filtered Enclosure for Lift**
Protects the user/operator.
- Heavy Duty Shredder**
Assures efficacy under all circumstances.
- Low Speed Continuous Feed Steam Auger**
The system waits for you, not the other way around. No storage of wheelie bins or reusable tubs required.
- Controls System**
Fully automated controls with remote diagnostics and monitoring capabilities via Ethernet connection (STI SmarTec™).
- Compactor (by others)**
Integrated system weighing scale.
- HEPA Filtered Negative Air Pressure System**
99.97% efficient HEPA filters (no airborne contaminants).

STI BioSAFE Series 2000 Product Offerings

STI BioSAFE provides a wide array of Medical Waste treatment systems to choose from. Products range from 300 pounds per hour to 3 metric tons per hour.

300 lb/hr (136kg/hr)	2000 lb/hr (900kg/hr)	2 Metric ton/hr
600 lb/hr (272kg/hr)	3000 lb/hr (1350kg/hr)	3 Metric ton/hr
1000 lb/hr (450kg/hr)	4000 lb/hr (1800kg/hr)	

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