

SV Composter™



engineered **COMPOST** systems

Stationary In-vessel Composting System

The ECS SV Composter™ (Stationary In-Vessel) is designed for small, to large-scale composting facilities with higher tipping fees; and is ideal for locations with hot and cold ambient temperatures (+40° to -40° C). The SV Composter™ has the best odor control, process control, and the smallest footprint compared with ASP or windrow systems. In addition, it features the aeration control and monitoring technology, and ease of operation, that is found in all ECS systems.

Standard Features

- Excellent odor control with completely sealed aeration design and biofilters
- A batch system accepts a broad variety of feedstocks at irregular loading rates
- Constructed for a 20+ year service life
- Built-in condensate/leachate management system
- Semi-automated vessel loading conveyor systems
- Integrated horizontal or vertical compost mixers

Vessels

The vessels are made of concrete that is either site-poured or panelized. Vessel sizes vary to conform to the client's site and process. The vessel walls and ceilings are well insulated; doors are fully gasketed, weatherproof, and insulated. All door surfaces exposed to the process air are stainless steel. The aeration floor provides uniform air distribution. Condensate/leachate is collected in the aeration floor and drained to a sealed sump.

Aeration

The aeration system provides reversing and recirculating process airflow to control and maintain uniform biomass temperatures. Process air is scrubbed through an ECS designed biofilter built on site. All components in contact with the compost's corrosive airstream are made from either stainless steel or polymeric materials. The aeration system is designed to conserve energy with variable speed fans, a unique low-friction aeration floor, and adaptive control strategies. Motorized dampers control airflow and direction to each vessel. Damper positions are automatically set by the control system.

Control

ECS' CompTroller™ is an automated aeration control and monitoring system that is operating at all ECS compost installations. It is designed to achieve regulatory compliance; offers operators a broad range of process options; and provides each vessel with independent and automatic control for achieving process goals. The CompTroller™ is remotely accessible via the web and is flexible, robust, and keeps your data safe.



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- Facility Design
- In-Vessel
- ASP
- Automated Controls
- Client Support