

**MORE TOOLS
FOR BETTER
COMPOSTING**



engineered**COMPOST**systems

No two compost facilities have the same operating requirements and feedstocks. That is why ECS is committed to providing each of our clients with a solution that is tailored to meet their economic, regulatory and market driven needs. We begin by listening. Then using a rigorous Pro-Forma analysis approach we've

developed over the past decade, combined with our unparalleled range of experience and product offerings, we provide ECS clients with an analysis of their best suited composting options. Our clients are then better able to make an informed decision on whether or not to proceed; and which process approach will best meet their needs.

AC Composter™

Fabric Covered ASP

The AC Composter™ is a fabric covered system that provides facility operators with a cost-effective tool for controlling odors, VOC and Greenhouse Gas emissions; and for maintaining optimal pile conditions during composting. The AC Composter™ system combines an impermeable fabric cover with standard ECS components including the CompTroller™ (a web based aeration control and monitoring system), options for Low Friction In-Floor or CompDog™ aeration systems, and biofiltration.

The AC Composter™ is appropriate for a wide range of facility sizes, and virtually all feedstocks. It can be used outside in discrete piles/zones; with a bunker-wall configuration to reduce the facility footprint; or inside buildings to control the odor and humidity associated with in-building ASP systems.

Standard Features

- Complete capture and excellent reduction of VOC and Greenhouse Gas emissions
- Superior odor control
- Minimized evaporative water losses from the biomass
- An effective barrier against vectors (birds, rats, flies)
- Accommodates a broad range of aeration rates and process control options

AP Composter™

Aerated Pile Systems

The ECS AP Systems are available with both **Static** and **Turned** options. The AP Composter™ offers great versatility and reliability. They are appropriate for primary and secondary composting; small to large-sized facilities; and for any feedstocks including food waste and biosolids. They have a smaller footprint, faster process time, and better odor control when compared with windrow or static pile compost systems.

ECS has an innovative array of specialized AP components, such as the CompTroller™ (automated aeration control and monitoring system); RF Teleprobe™ (wireless temperature transmitting technology); In-Slab and CompDog™ aeration floors; and the AC Composter™ (Covered ASP System) that features an impermeable cover combined with a negatively aerated compost process.

Standard Features

- Excellent VOC, GHG and odor control using site-built biofilters
- Condensate management and collection
- Batch or continuous-flow processes
- Ability to process feedstocks at irregular loading rates
- Reversing or single direction aeration
- Discrete piles, mass-bed or bunker wall configurations
- Accommodates growth and expansion easily

MORE TOOLS FOR BETTER COMPOSTING

CONTROL SYSTEMS
MONITORING SYSTEMS
AERATION SYSTEMS

AERATION FLOORS
AERATED STATIC PILE SYSTEMS
IN-VESSEL SYSTEMS
BIOFILTER SYSTEMS
TECHNICAL SUPPORT

SV Composter™

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

CV Composter™

Containerized In-vessel Composting System

The CV Composter™ (Containerized Vessel) is a modular in-vessel composting system designed for small, to medium-scale composting facilities that require comprehensive environmental control. It requires minimal infrastructure and the modular approach easily adds additional capacity to accommodate growth. The CV's advanced control system and unique aeration design optimizes compost stabilization and pathogen reduction rates; while capturing and dramatically reducing VOC, GHG, and odor emissions. The CompTroller™ aeration control and monitoring system requires little or no operator intervention during composting, and automatically records pertinent data for every compost batch.

Standard Features

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

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Pro Forma Analysis

Facility Design



Mixing Systems

Control Systems

Monitoring Systems



Aeration Floors

Biofilter Systems

Technical Support

**Client driven solutions
based on sound science
and proven products
since 1999.**



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