

ECONOVA ANAEROBIC BIODIGESTER



The Econova Anaerobic Biodigester
is an advanced system that transforms organic
waste into clean, renewable energy.

**econova**
Sustainability First

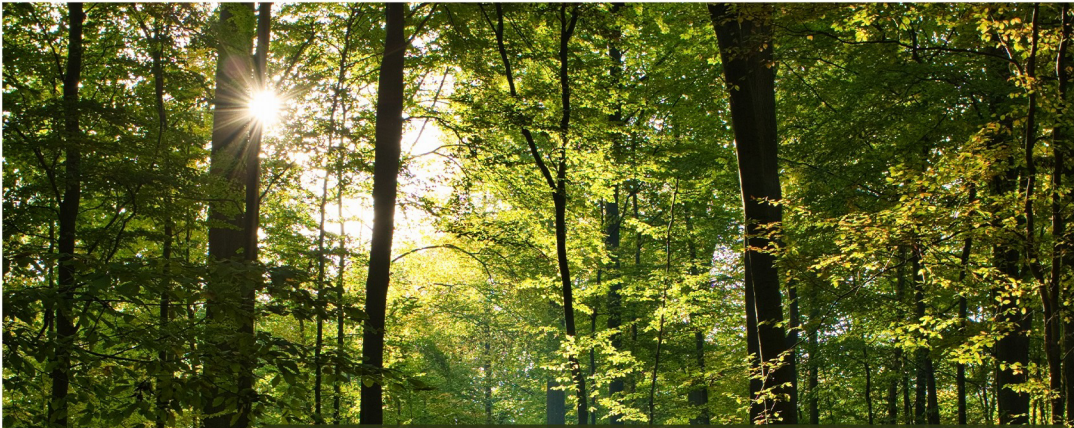


www.theeconova.com

WHO WE ARE

Econova Technologies is a leading innovator in sustainable waste management, committed to turning organic waste into valuable resources. Our advanced composting and biogas solutions help businesses, municipalities, and institutions cut landfill use, shrink their carbon footprint, and move toward a circular economy.

By combining automation, data-driven insights, and scalable technology, Econova Technologies is making sustainability more accessible and effective, shaping the future of waste management in the process



OUR JOURNEY

Our mission began with a vision to redefine waste management through technology. Recognizing the growing need for efficient and eco-friendly solutions, we developed cutting-edge composting and biogas systems that seamlessly integrate into diverse industries.

Today, Econova Technologies is at the forefront of waste transformation, helping organizations worldwide turn organic waste into nutrient-rich compost and renewable energy while making waste management more efficient, cost-effective, and environmentally responsible.

Sustainable
Waste Management.
Small Steps, Big Impact.



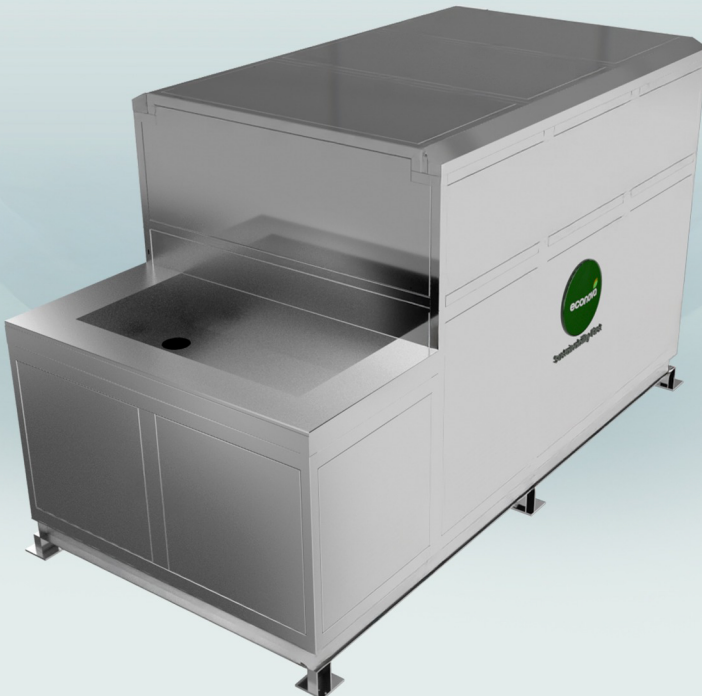
Econova Anaerobic Biodigester



The Econova Anaerobic Biodigester is an advanced system that transforms organic waste into clean, renewable energy. Through anaerobic digestion, specialized microbes break down waste in an oxygen-free environment, producing biogas rich in methane and carbon dioxide. This eco-friendly energy source can power cooking, heating, electricity generation, and even serve as vehicle fuel when upgraded to biomethane.

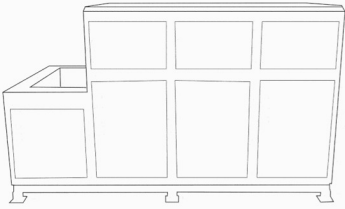
What Makes the Econova Anaerobic Biodigester Exceptional ?

- **Renewable energy:** Reduces dependence on fossil fuels by generating clean, sustainable energy
- **Waste reduction:** Converts organic waste into a valuable energy source, minimizing landfill waste.
- **Improved soil health:** Produces digestate, a nutrient-rich byproduct that enhances soil fertility and supports sustainable agriculture.
- **Lower greenhouse gas emissions:** Prevents methane release from decomposing organic waste, contributing to a cleaner environment.



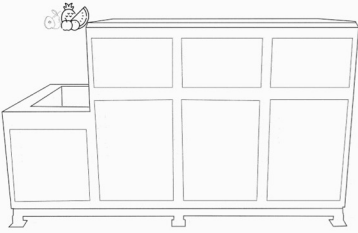
Econova Anaerobic Biodigester is available in a range of capacities, from 220 lbs to 5,500 lbs, making it suitable for both small-scale and large-scale composting needs.

How the Econova Anaerobic Biodigester Works



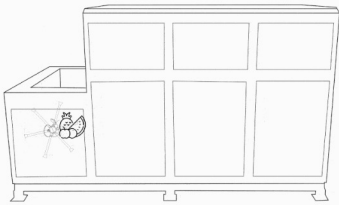
Pre-Treatment: Waste Loading & Feeding :

Organic waste is first placed into the segregation unit, where it is sorted to remove non-biodegradable materials.



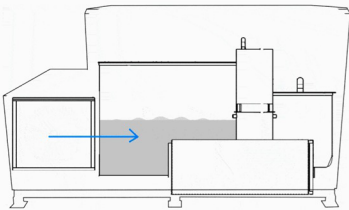
Fermentation in the Digester :

Inside the digester, the organic material is heated to specific temperatures, creating optimal conditions for microorganisms to break down the waste.



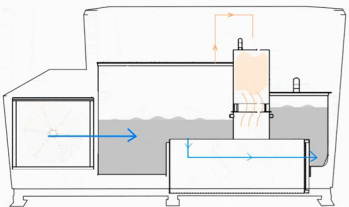
Biogas Production & Collection :

As microorganisms digest the organic matter, biogas is naturally produced and collected for further processing.



Extracting the Digestate :

The remaining byproduct, known as digestate, is removed from the system and repurposed as an eco-friendly



Purification : Before use, the biogas undergoes purification, where water, hydrogen sulfide, and impurities are removed. The result is biomethane,



Our composting machines and biogas plants offer ideal waste management solutions for the following industries and facilities

 Food & Hospitality	Hotels, Resorts, Restaurants, Cafeterias, Canteens, Villas, Food Processing Plants, Food Delivery Services
 Healthcare & Wellness	Hospitals, Rehabilitation Centers, Wellness Centers
 Education & Institutions	Schools, Colleges, Universities, Government Institutions
 Retail & Commercial	Malls, Supermarkets, Corporate Campuses, Convention Centers
 Community & Public Services	Places of Worship, Devotional Centers, Municipalities, Corporations, Prisons, Correction Facilities, Food Banks, Non-Profit Organizations
 Agriculture & Farming	Animal Farms, Agriculture Farms, Farmers Markets, Landscaping Companies
 Residential & Events	Apartments, Townships, Event Venues





Cloud Composting

Waste Management, Reinvented

Econova Cloud Composting is transforming sustainability with innovative composting and biogas solutions. Our cutting-edge technology ensures real-time monitoring, providing full visibility into the composting process. With precise data analytics, businesses can track waste diversion, landfill reduction, compost and biogas output, and carbon footprint impact—delivering valuable insights for stakeholders, owners, and investors. Designed for efficiency, our plug-and-play installation makes setup effortless, while advanced safety features guarantee reliability. At Econova, we don't just manage waste—we transform it into measurable, sustainable impact.



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