grind2energy™

turn food scraps into energy

Non-sewer based Grind2Energy™ is more than an alternative to landfills and traditional compost programs. The system actually recycles food waste into renewable energy – either electricity, heat or compressed natural gas.

Food waste is ground on-site and converted into energy-rich slurry. The slurry is transported to an anaerobic digestion facility where methane is extracted for energy production. The remaining biosolids can be used to help land regeneration.

Grind2Energy enables you to dispose of all types of unavoidable food waste – including fats, oils and grease – faster, cleaner and easier. Your operation can reduce odours, pests, emissions and labour costs, all while generating renewable energy and protecting the environment.

Grind2Energy remotely monitors tank levels and automatically coordinates collection and transportation for anaerobic digestion. We provide sustainability reports detailing how much waste was diverted from landfills, the reduction in greenhouse gas emissions, and the amount of renewable energy your system generated.

How it works:

Food scraps are collected and fed into the Grind2Energy grind chamber

Food scraps are ground quickly and efficiently

The resulting slurry is pumped into a holding tank

A liquid waste hauler transports the slurry to a local anaerobic digestion (AD) facility

The AD facility recycles the slurry by capturing the methane released and converting it into renewable energy

The remaining solids are recycled into beneficial, nutrient-rich biosolids used for land regeneration

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