

LM

Composting Technology



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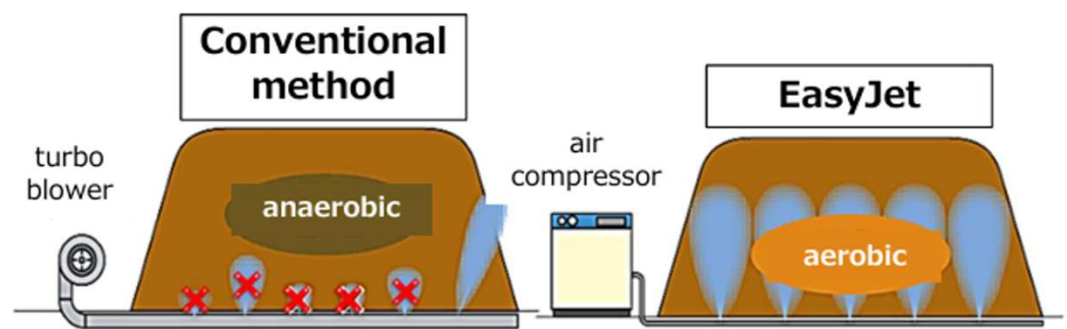
LM Composting Technology

The goal of LM's Composting Technology is to provide a solution that allows every customer to access organic agriculture through our innovative, easy-to-use, and cost-effective solution.

For those handling organic waste, it leads to reduced disposal costs; for farmers, it enables the realization of circular agriculture; and for consumers, it lowers the barriers to purchasing organic food products.

EasyJet

EasyJet is a core component of LM Composting Technology and an aeration device that delivers air at about 50 times the pressure of a conventional blower to the compost, allowing oxygen to penetrate evenly. Just pile up the processed material, which can be composted without turning it over.



EasyJet conceptual diagram

Container Type composter

EasyJet enables composting without turning over; we can offer a container-type composter. We just put it on the ground and can start composting without construction.

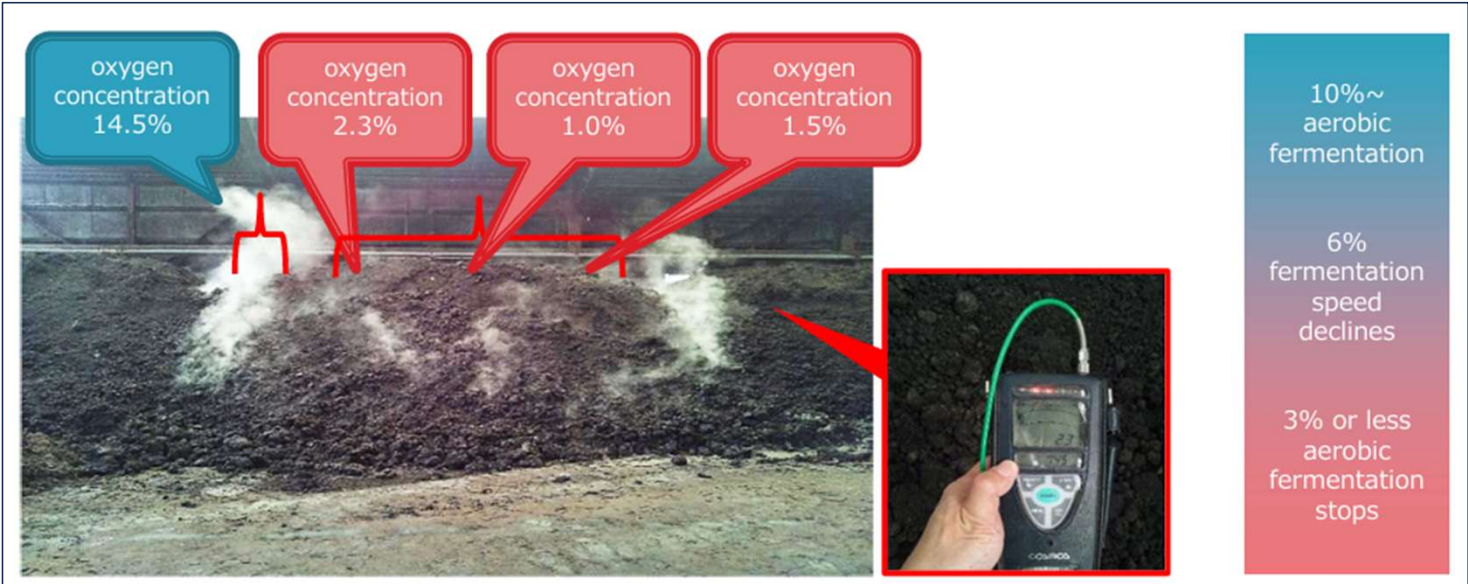


Container Capacity: 15m³/day

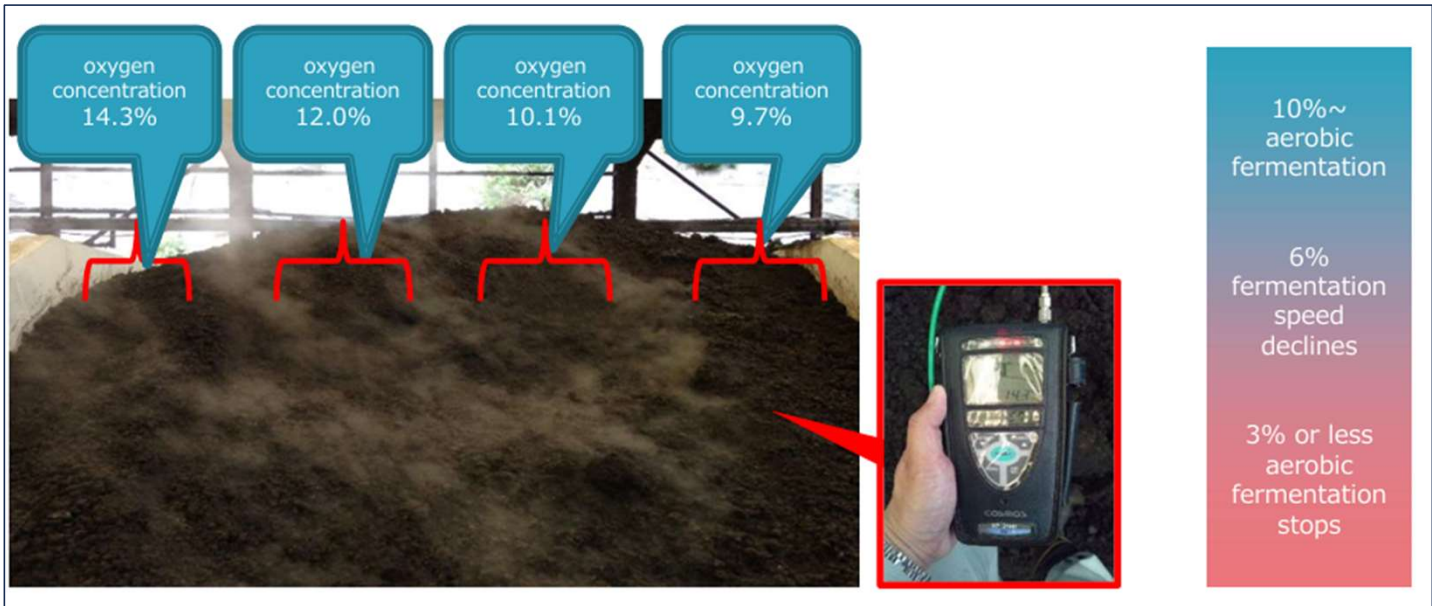
Treatment capacity: 0.1~0.3 ton/day

Comparison between ordinary composting and EasyJet

With blower ventilation, air tends to escape from certain areas, and most of the raw materials are not reached by air, resulting in anaerobic fermentation and delayed composting. You will have to turn it over back and forth many times.



High-pressure ventilation allows uniform oxygen supply to every corner, regardless of pile height or raw material properties



High Temperature Fermentation During Winter

The high-pressure air from EasyJet assures the stable and certain fermentation; it enables high-temperature fermentation during winter.

Outside temp. – 15℃







Fermentation temp. 75℃



Outside temp. – 25℃







Fermentation temp. 85℃



Outside temp. – 20℃





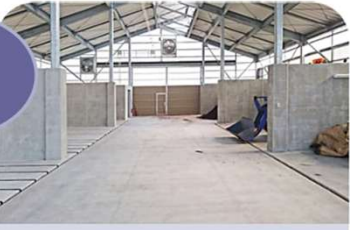


Fermentation temp. 80℃



Installation Examples

Raw waste



1.5t / day (Hokkaido)

Business related food waste



10t / day (Saga Prefecture)

Business related food waste



3t / day (Hokkaido)

Compost center
Horse manure
Cow manure



8t / day (Tottori Prefecture)

Sugar sludge



20t / day (Hokkaido)

Sewage sludge



40t / day (Aichi Prefecture)

C-Mode Mixer

C-mode is the mixing device that equally and automatically mixes the material of compost instead of heavy equipment and labour.



Main material



Sub material



C-mode



Compost

Why not try LM composting technology!?

We have a Mini-EJ unit for trial rental so that a new client can try our composting technology at minimal cost. The cost is just 5,000 CAD, including dispatch of our staff.

