



GOMMIT

HIGH-SPEED ORGANIC WASTE TREATMENT MACHINE

High Performance & Eco-friendly Decomposition Machine

- 1... Volume reduction rate at 99.8%
- 2... 100% decomposition of organic substances in 24H
- 3... Bacteria bed refreshed every 180 days
- 4... CO2 emissions reduced by 96%
- 5... No drainage required



GOMMIT image

1... Volume reduction rate at 99.8%

- 99.8% of garbage input can be decomposed.
- Significant waste reduction is possible.



	100kg model	500kg model
Initial bacteria bed volume	250kg	1,250kg
Garbage input volume in 180 days	18,000kg	90,000kg
Garbage volume after decomposition treatment	About 36kg	About 180kg
Bacteria bed volume after 180 days	About 300kg	About 1,430kg

2... 100% decomposition of organic substances in 24H

- Garbage is decomposed at high speed by recreating natural law inside the machine.
- Based on know-how and analysis of the data collected from more than 10 years of actual operation experience, the law of nature is recreated inside the machine to realize complete recycle using high-speed bacterial decomposition.



Start Insert Garbage



Start Insert Garbage



Insert Garbage after 2 hours



Insert Garbage after 4 hours



Organic substances and inorganic substances



- **Decomposable items**

Organic substances (Edible things)

Rice, bread, fish, fish bone, meat, chicken bone, vegetables, vegetable core, grain, fruits, fruit seeds, grass flowers, lawn, crab and shrimp shell, egg shell, tea grain, thick fish bone (about 3-cm-diameter), bamboo shoots, chestnuts, hard corn starch etc.

- **Non decomposable items**

Inorganic substances (Inedible things)

Metals, bottle stoppers, plastics, glasses, polystyrene foam, disposable chopsticks, bamboo skewers, toothpicks, drugs / antibiotics, soaps, detergents, bleach, fragrances, cosmetics, chemicals, hair, cloth, textiles, rubber bands, cigarettes, gums, tea packs, bird feathers, etc.

* Inserting inorganic materials will not cause damage to the machine. It will remain inside so that please take it out when changing the bacterial bed.

3... Bacteria bed refreshed every 180 days

- It is not required to add bacteria or to remove residues for 180 days. Designated amount of garbage can be inserted every day.
- Bacterial beds taken out after 180 days can be reused as a soil conditioner.
- Complete recycling by converting food waste into fertilizer!
- Our technology has already been utilized at farms in Japan.

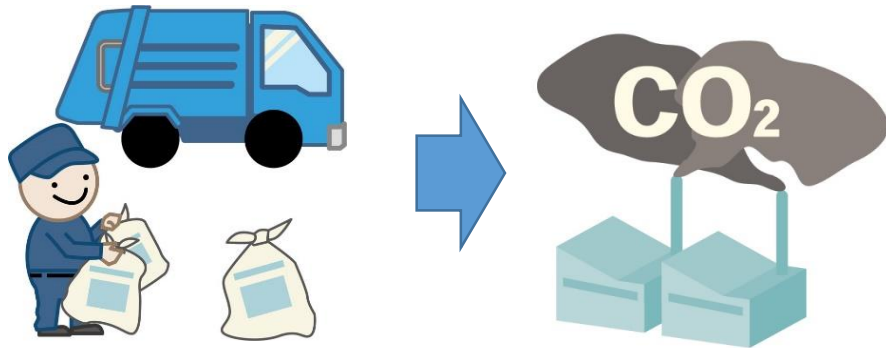


4... CO2 emissions reduced by 96%

CO2 emissions, one of the most influential factors for environment issues, can be reduced to the lowest level. CO2 emissions is reduced by 96%, compared to the normal process of collecting, transporting and incinerating garbage.

Comparison of CO2 emissions when treating 10 tons of garbage

Incineration : about **19.8 tons**



*CO2 emissions from automobile emissions and incineration plants

GOMMIT : about **0.7 tons**

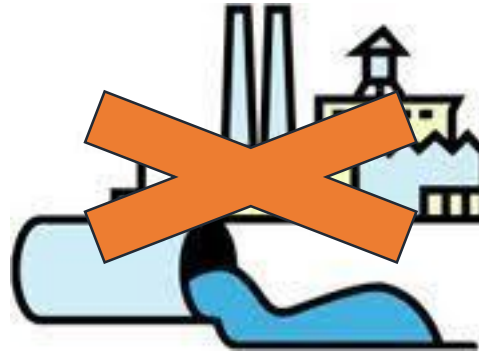


CO2 reduced by 96%

*CO2 emissions by electric power used

5... No drainage required

- No water bill is necessary.
- There is no constraints of installation location due to no water supply / drainage facilities required.
- No troublesome sewage cleaning is required.
- It is an environmentally friendly treatment method.



Past Installation Examples

Ward office:	100kg model × 1 machine (2007)
Gotenba vegetable market:	400kg model × 1 machine (July 2011)
Corporate facility:	500kg model × 1 machine (July 2013)
Hokuriku farm:	20kg model × 1 machine (February 2014)
Kanagawa prefectural hospital:	200kg model × 1 machine, 30kg type × 1 machine (May 2014)
Famous hotel in Tokyo:	125kg model × 5 machines (May 2014)
Funabashi market:	500kg model × 2 machines (December 2014)
Food maker in Odawara:	100kg model × 1 machine (December 2014)



Bacteria bed (Wood chip)

When exporting, the "Tokyo Plant Quarantine Association" carries out a quarantine inspection and issues a certificate

Certificate

- ① Plant quarantine certificate ② Fumigation disinfection report

Bacteria bed price

CIF basis, Bacteria bed (Log)

✂ Order lot : 20F (about 9,600kg) or 40F (about 19,200kg)

✂ GOMMIT 100kg model uses 500 kg of bacteria bed in one year.



Export



Log size

Length: 1000mm

Diameter : 120mm

Weight : about 10kg/log

Crash on site

Chip size 2~3cm

Use wood chips as
a bacteria bed

Use as fertilizer
after 180 days

PRODUCT SPECIFICATION

	100kg model	500kg model
Decomposing capacity	100kg	500kg
Decomposing time	24 hours	24 hours
Mixing time	2-6 hours	2-6 hours
Mixing & Drying time	-20 hours	-20 hours
Wood chip volume (every 6 months)	250kg	1,250kg
Machine size (Including deodorizing equipment)		
Weight	1,200kg	6,000kg
Width	1,800mm	5,400mm
Depth	1,500mm	2,000mm
Height	2,100mm	3,510mm
Power	3 phase 200V	3 phase 200V
Power consumption	710KW/month	3,500KW/month

Suggestion



Shopping center

High-rise condominium

Restaurant

School

Hospital, Nursing facility

See side, island, etc. Place without incinerator

Hotel restaurant

Supermarket

Food factory

Convenience store



※ Reduce→Reuse→Recycleの順に実践していくことが基本

