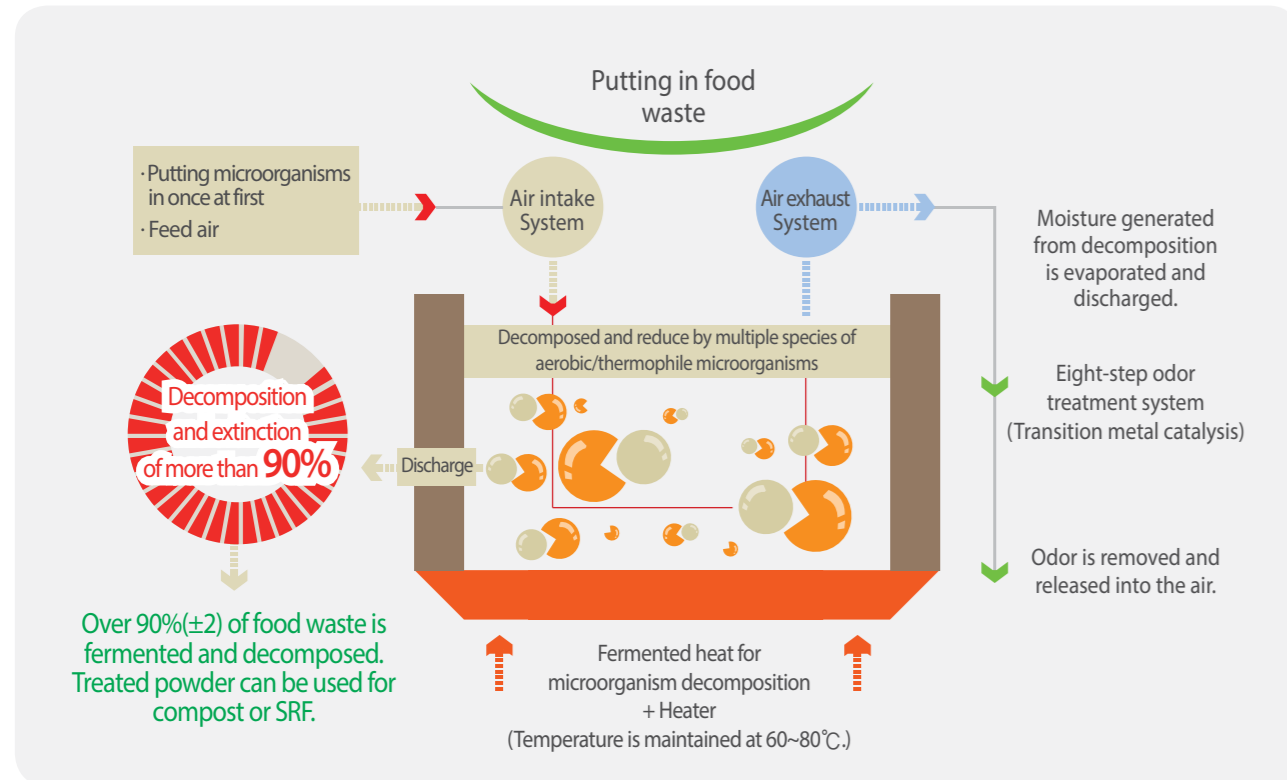


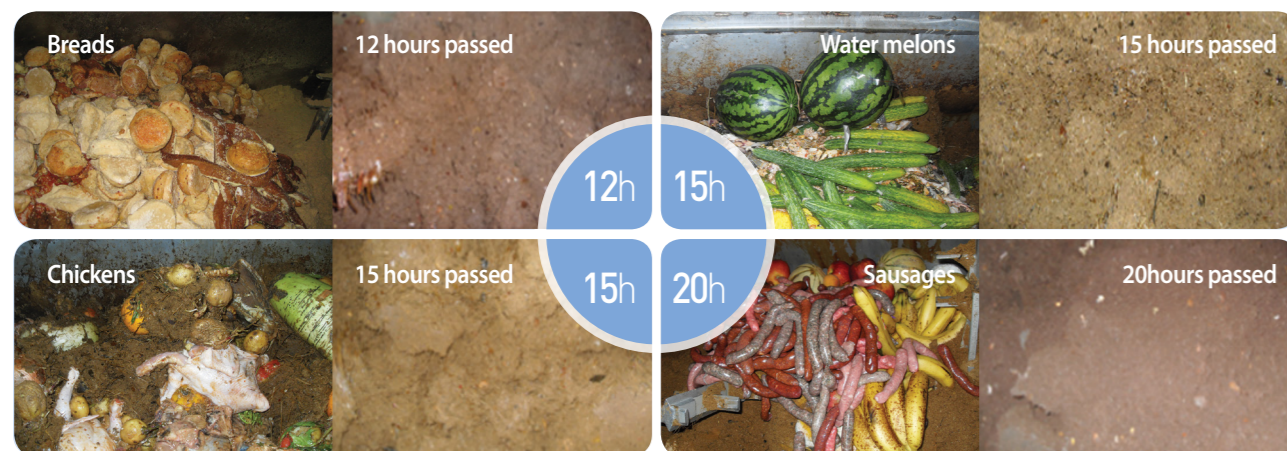
EcoCrabe™ Treatment System



※ In case of organic industrial waste, more than 80% decomposed and fermented.

Perfect Treatment of Food Waste

Eco Crabe treats the food waste **within 24hours** without additionally cutting them into small pieces. This is an actual example of the treatment process in Europe and Korea.



www.yesems.co.kr
Scan QR code with smart phone

Decomposable Food Waste

EcoCrabe can decompose all the food that people can eat and digest. Especially chicken bone, crab shell and hard fine bone can be treated.

Grain foods, fried foods, and cookies
rice, mixed grains, fried potatoes, pizzas, hamburgers, etc

Vegetables and fruits
carrots, cabbages, tomatoes, spinaches, grapes, water melons, pine apples, etc

Meat
chicken, beef, pork and other meats

Noodles and eggs
chilled buckwheat noodle soups, noodle soups, spaghettis, and eggs

Fish and seafoods
Fishes, crabs, shrimps, octopuses, and fish bone

※ Non decomposable things! Do not put them into the tank.
Metal, seashells and animal bones, wood and paper, clothes and medicines, plastic and rubber, etc

EMS EM SOLUTION CO., LTD.
ENERGY&MARINE SOLUTION CO., LTD.

Changwon Head Quarter / T. +82-55-239-9000 F. +82-55-239-9020
767, Ungnam-ro, Seongsan-gu, Changwon-si, Gyeongsangnam-do, Korea

Gimhae Factory / T. +82-55-580-1000 F. +82-55-723-2840
47-1, Golden root-ro 66beon-gil, Nongso-ri, Juchon-myeon, Gimhae-si, Gyeongsangnam-do, Korea

all Center +82-1899-6530

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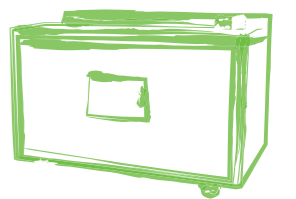


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Food Waste Disposal Machine through Fermentation by Microorganisms

Global Green Growth Ecofriendly Company

Patent No. 10-1183135, 10-1350238



Cares about environment for a better world
EMS will protect environment by recycling organic waste.

Mar. 2016 Vol. 03

KOSDAQ
EMK EM KOREA Affiliated Company

EMS EM SOLUTION CO., LTD.
ENERGY&MARINE SOLUTION CO., LTD.

Global Green Growth Ecofriendly Company



- 1 Elementary school, France
- 2 University cafeteria, England
- 3 Hospital kitchen, Scotland
- 4 Military base kitchen, Korea



• Fermentation using thermophile microorganisms

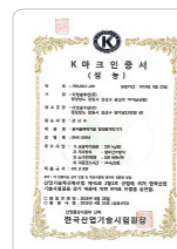
The aerobic-thermophile microorganisms that secrete a unique enzyme developed by the company have a strong decomposing and self-generation ability even in highly saline and acid environments, surviving almost permanently.

• Perfect odor treatment

Don't worry about unpleasant odors, as it is filtered through eight-phase filters equipped in the machine with a double odor treatment function. You can install this machine even in your kitchen.

• Treated powder recycling

The treated powder may be emptied every 7~10 days, which can be used for recycling. The treated powder can be recycled as compost or solid reuse fuel according to input waste type.



K-Mark certificate
(Food Waste Disposer)



CE : Organic waste
decomposition device
(500kg, 2ton, 5ton)



Patent : Food waste
treatment device
(No.10-1183135)



Patent : Organic waste
decomposition device
(No.10-1350238)

ECO Cröbe™

Environmental Friendly Food Waste Disposal Machine

Over 90%(±2) of food waste is fermented and decomposed within 24 hours.
One-Touch Automatic System! Durability and safety of a patented product beyond compare.
 The unique technology is internationally validated for minimizing thermal loss and maximizing energy efficiency.



EMK-20M / 20kg

| | |
|----------------------------|---|
| Maximum treatment capacity | 20kg/day |
| Rated voltage | Single-phase, 220V, 50/60Hz |
| Treatment method | Fermentation method using the microorganism |
| Treatment time | Within 24 hours |
| Deodorization system | Transition metal catalysis methods |
| Power consumption | 0.94kWh |
| Weight | 295kg |
| Dimensions mm (W x D x H) | 915 x 870 x 1,125 |



EMK-50M / 50kg

| | |
|----------------------------|---|
| Maximum treatment capacity | 50kg/day |
| Rated voltage | 3-phase 4P, 380/415V, 50/60Hz |
| Treatment method | Fermentation method using the microorganism |
| Treatment time | Within 24 hours |
| Deodorization system | Transition metal catalysis methods |
| Power consumption | 1.50kWh |
| Weight | 480kg |
| Dimensions mm (W x D x H) | 1,220 x 995 x 1,140 |



EMK-100M / 95kg

| | |
|----------------------------|---|
| Maximum treatment capacity | 95kg/day |
| Rated voltage | 3-phase 4P, 380/415V, 50/60Hz |
| Treatment method | Fermentation method using the microorganism |
| Treatment time | Within 24 hours |
| Deodorization system | Transition metal catalysis methods |
| Power consumption | 2.8kWh |
| Weight | 825kg |
| Dimensions mm (W x D x H) | 1,750 x 1,120 x 1,235 |

Global Green Growth
Ecofriendly Company



Utilization of Organic Industrial Waste

ECO-Crobe™ was designed based on environmental friendly scientific technology and bio microbiological technology to decompose the organic industrial waste, also.
 Recycling can be done as solid fuel or compost according to the type of waste sludge.



EMK-200M / 195kg

| | |
|----------------------------|---|
| Maximum treatment capacity | 195kg/day |
| Rated voltage | 3-phase 4P, 380/415V, 50/60Hz |
| Treatment method | Fermentation method using the microorganism |
| Treatment time | Within 24 hours |
| Deodorization system | Transition metal catalysis methods |
| Power consumption | 4.5kWh |
| Weight | 1,400kg |
| Dimensions mm (W x D x H) | 2,120 x 1,380 x 1,485 |

EMK-1TM / EMK-3TM / EMK-5TM / EMK-10TM



| Model | EMK-1TM | EMK-3TM | EMK-5TM | EMK-10TM |
|----------------------------|--|-----------------------|-----------------|-----------------|
| Maximum treatment capacity | 1ton/day | 3ton/day | 5ton/day | 10ton/day |
| Rated voltage | 3-phase 4P, 380/415V, 50/60Hz | | | |
| Treatment method | Fermentation method using high temperature aerobic microorganism | | | |
| Treatment time | 24 hours | | | |
| Deodorization system | Transition metal catalysis filter | | | |
| Power consumption | 10~15kWh | 15~20kWh | 30~40kWh | 50~60kWh |
| Weight | 5ton | 8ton | 11ton | 15ton |
| Dimensions mm (W x D x H) | 4,790 x 1,820 x 2,980 | 5,550 x 2,820 x 3,230 | Ø 2,700 x 7,810 | Ø 3,500 x 9,570 |