

SAVING OUR PLANET,  
**ONE FOOD  
SCRAP AT  
A TIME**

THE  
**FOOD WASTE  
SPECIALISTS**<sup>™</sup>





# LEADING THE WAY TOWARDS ZERO FOOD WASTE

**Mentari Alam EKO (M) Sdn Bhd, or MAEKO**, is the brainchild of three passionate individuals focused on solving one of the biggest problems facing our planet - the Food Waste issue. Every day, HUGE amounts of food scraps (or even full meals!) are being wasted in Malaysia, taking up space in landfills and poisoning our Earth.

The founders of MAEKO knew there was a simple solution - composting. Combining their expertise from the fields of biotech, mechanical engineering and marketing, MAEKO was born with the singular intent of helping the country - and the world - achieve ZERO FOOD WASTE.

After close to a decade of Research and Development, MAEKO is proud to have created the most cutting-edge composting technology in the ASEAN region, along with a comprehensive range of composters for use in any industry that produces food waste.

“ Composting food waste  
is a key aspect of  
**RESPONSIBLE  
WASTE  
MANAGEMENT**  
that also  
**HELPS  
BUSINESSES  
SAVE MONEY** ”

## DID YOU KNOW?

Malaysians waste 15,000 tonnes of food waste each ~~year~~ month day!  
That's enough food to feed 2.2 million people!

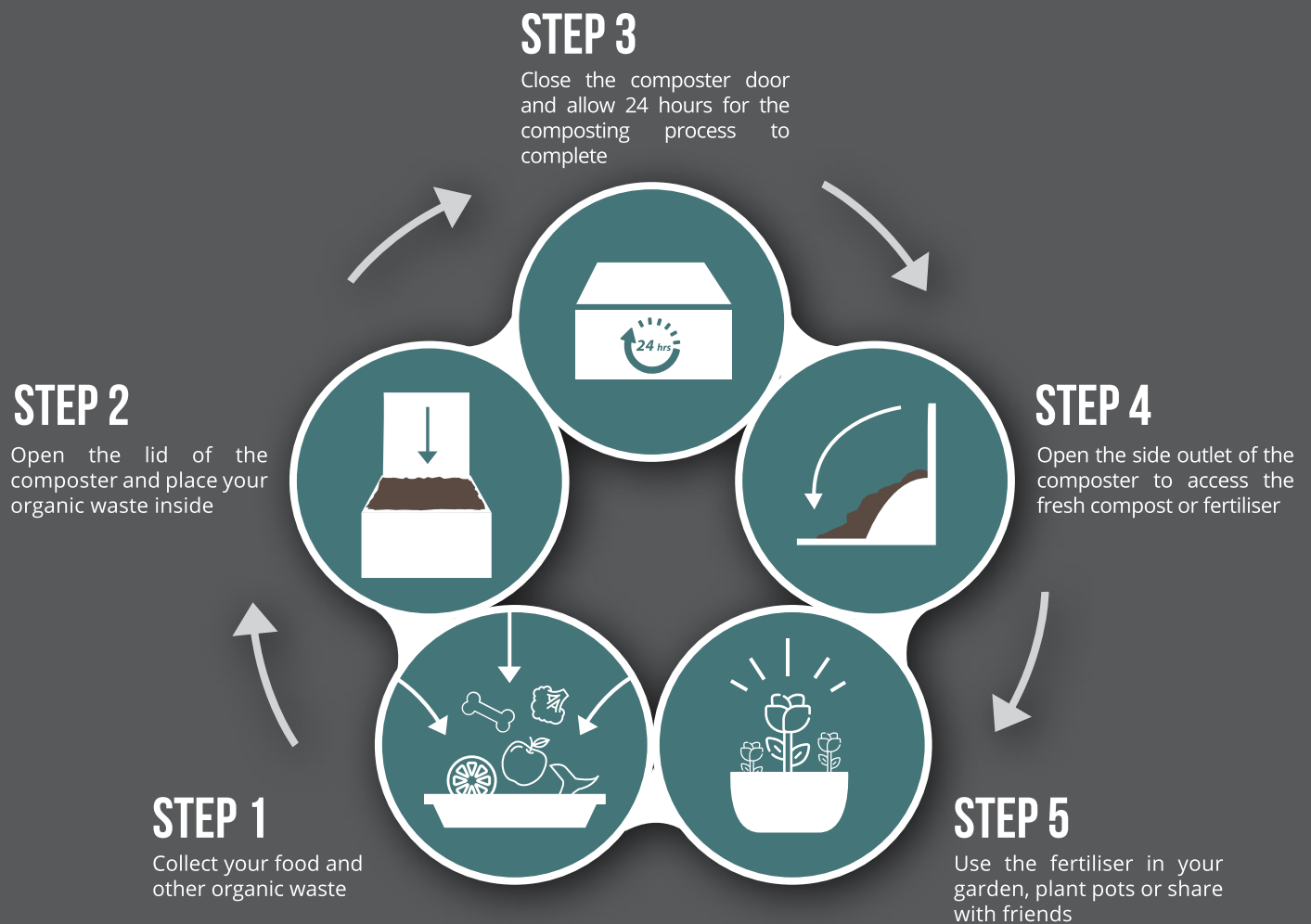


**MAEKO** contributes towards achieving several Sustainable Development Goals (SDGs) set by the United Nations as part of the 2030 Agenda:



# CUTTING EDGE COMPOSTING TECHNOLOGY IN EASY TO USE MACHINES

MAEKO's patented aerobic microbial compression technology enables the creation of compost in just 24 hours.



## An illustration of MAEKO's composting process



**STAGE 1 :**  
Input food waste



**STAGE 2 :**  
Composting progress is underway



**STAGE 3 :**  
Halfway through, waste volume is reduced by 50%



**STAGE 4 :**  
Waste volume is reduced and compost is ready



# The unique benefits of **MAEKO technology**

- Compact And Space Efficient
- Quick Composting (within 24 hours)
- Foul Smell Management System
- Low Operating Expenses (no daily or monthly enzyme and catalyst top-up needed)
- No Secondary Segregation (able to compost bones, shells, coconuts\*)
- No Pre-Treatment of Food Waste (able to compost gravy, sauces etc)
- Dry and 'Ready-to-Use' Output (no additional drying needed)
- Simple and Easy to Operate

*\*applicable to selected models*

## Items that can be composted using MAEKO Technology



Mix food waste



Bones/Shells



Food production waste



Compostable packaging



Garden waste



## What MAEKO composters produce



Bio Organic Compost

## WHAT MAEKO COMPOSTING MACHINE DO NOT PRODUCE



Toxic gas



Ash



Leachate



# OUR RANGE OF MAEKO INDUSTRIAL COMPOSTERS



## CW SERIES

Our largest and toughest composter, the CW Series comes with a crushing chamber to deal with hard food waste and is ideal for composting all kinds of organics, including big animal bones, oysters and other crustacean shells.



## RW SERIES

Featuring a shredder on top, the RW Series makes for easy loading of your organic waste and can handle large waste quantities, making it ideal for mid-sized restaurants, cafés and boutique hotels.

*\*May be customised to requirements*



## MW SERIES

Our MW Series composts without the use of a grinder, making it a safer option for use around children and large crowds - such as in farms, schools and vegetable markets. Ideal for all kinds of soft organic waste.



## LQ SERIES

A special series that removes the need for waste bins by turning all organic waste into liquid that can be discharged directly into the drain. A great way to reduce waste management costs for your business or institution.

*\*May be customised to requirements*

TECHNOLOGY PATENT FILE NO: P12015000732



Recipient of  
Cradle Accelerator  
Programme



The Scientific and  
Industrial Research  
Institute of Malaysia

F R O S T & S U L L I V A N

Frost & Sullivan Malaysia Technology  
Innovation Award



Malaysia's industry  
recognised green  
rating tool for  
the promotion of  
sustainability



luxresearch

Lux Research Asia is an independent research  
and advisory firm, providing strategic advice and  
ongoing intelligence on emerging technologies



A unified national  
laboratory  
accreditation  
scheme



Malaysia's official green  
recognition scheme  
endorsed by the  
Government of Malaysia



Supporting the  
development of  
entrepreneur and  
innovators of clean  
technology innovation

COMMERCIAL UTILITY	MAEKO COMPOSTER MODELS								
	MW30	MW60	MW100	MW200	RW30	CW100	CW200	CW300	CW500
Aerobic Biotech Composting	•	•	•	•	•	•	•	•	•
24-48 Hour Composting Process	•	•	•	•					
24 Hour Composting Process					•	•	•	•	•
Built-In Grinder					•				
Chamber Chrusher						•	•	•	•
Safety Sensor Features	•	•	•	•	•	•	•	•	•
Stand-Alone Unit	•	•	•	•	•	•	•	•	•
Zerust Protection						•	•	•	•
Fully Stainless Steel	•	•	•	•	•	•	•	•	•
Pro-Active Liquid Filtration System	•	•	•	•	•	•	•	•	•
Mobile / Mobility	•	•	•	•	•	•	•	•	•
Converts 100% of Food Waste	•	•	•	•	•	•	•	•	•

TYPE OF FOOD WASTE									
Fresh Food & Vegetables	•	•	•	•	•	•	•	•	•
Cooked Food	•	•	•	•	•	•	•	•	•
Chicken & Fish Bones	•	•	•	•	•	•	•	•	•
Sea Shells & Shell Fish						•	•	•	•
Hard Rinds						•	•	•	•
Coconut Husk								•	•

TECHNICAL SPECIFICATIONS									
Overall Dimension (LxWxH mm)	900X680X1300	1200X900X1260	1200X1000X1400	1200X900X1260	960X680X1300	2000X1130X1170	2200X1300X1400	2750X1200X1600	3000X1700X1700
Input Capacity per day (Volume in Litre)	30L	60L	100L	200L	30L	100L	200L	300L	500L
Machine Weight (kg)	260	350	350	350	260	1000	1400	2000	2800
Overall Power (kWh)	1.6	2.2	2.5	2.5	2.5	5.8	6	13.5	18
Power Supply (VAC / 50Hz)	240	415	415	415	240	415	415	415	415
Noise Level (dB)	45-55	45-55	45-55	45-55	45-55	55	55	55	55

*\*Specifications subject to change without prior notice.*

# Composting 1 ton of Food Waste

with MAEKO Technology **reduces Greenhouse Gases**

equivalent to what **398 trees** will absorb annually



Become an

## ECO-PIONEER

and adopt

# RESPONSIBLE FOOD WASTE MANAGEMENT today

**MAEKO**<sup>®</sup>  
*cares • helps • works*



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