

ECOPRESS FOOD WASTE REDUCERS

Model FWM 50

Food Waste Compost Machine converts the organic waste added to the machine into nitrogen-rich compost by reducing its volume by almost 90% of the original. Organic waste includes kitchen waste or anything that comes from plants or animals and is biodegradable.

An ideal solution for commercial-scale enterprises that generate a vast amount of organic waste, the fully automatic waste-to-compost machine by ECOPRESS is the perfect solution for hotels, hospitals, and other organizations. It is extremely simple to use and automates the process to a large extent, making it simpler for you to access qualitative compost while simplifying your waste management processes.



Our 24hr food waste composting machines are custom designed to convert all organic waste into compost (organic fertilizer) within 24Hrs. The machine can compost all organic waste including kitchen food waste, fish and animal waste, leaves, grass clippings, weeds, seeds, shredded meat bones, and palm fronds, etc.

The resulting compost is rich in plant nutrients, both macro and micronutrients, with more than 80% organic matter content, thus when applied into the soil it increases agricultural crop production, enhances the soil water holding capacity and the soil microbial biodiversity that has an overall impact on the soil health.

The 24hr composting machine helps mitigate climate change as the composting process is aerobic thus eliminating the production of methane that is aggravating climate change. ECOPRESS helps you manage your waste in an efficient, economical, and eco-friendly manner with a complete organic waste management solution designed today, for a greener tomorrow.

Product advantages

1. The whole equipment adopts unique stainless steel and baking paint, beautiful appearance, compact structure, small floor area and long service life.
2. Simple operation, fully automatic operation, without manual sorting;
3. Less investment, low operation cost and small floor space;
4. During the operation of the equipment, there is no odor emission, no sewage discharge, no secondary pollution, completely harmless and resource utilization.
5. The equipment adopts self-developed PLC touch intelligent control and on-line monitoring system, with Schneider as the main components and Schneider as the LCD screen, and the operation interface is clear and simple.
6. Reduce kitchen and kitchen waste by 85-90%

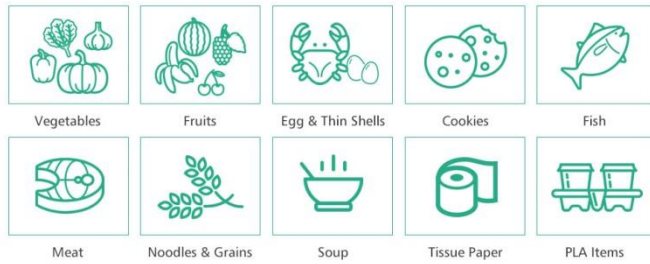
INDUSTRIES SERVED



FOOD DECOMPOSITION



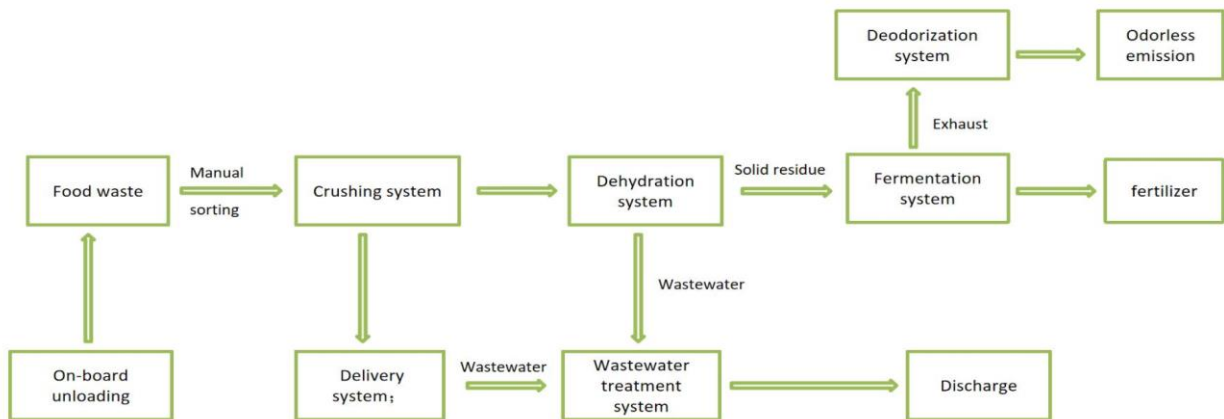
COMPOSTABILITY GUIDE



Product introduction

The basic principle of microbial treatment of organic waste is to use microbial strains to produce a variety of enzymes, which can rapidly decompose organic waste (such as vegetables, vegetable leaves, vegetable roots, etc.). After treatment, the reduction rate of kitchen waste is 85-90%. After setting the operation parameters, it can run automatically for 24 hours. During the operation of the equipment, the waste gas reaches the standard and no sewage is discharged. The remaining 10-15% of the solid emissions can also be used as the base fertilizer of organic fertilizer for fruit and vegetable cultivation. The whole treatment process is pollution-free and there is no secondary pollution. It is in line with the principle of "reduction, harmlessness and resource utilization" of garbage treatment

Equipment Process Route



TECHNICAL INFORMATION:

(1)	Model	FWM-50
(2)	Daily capacity (kg/d)	50
(3)	Processing period (h)	24h
(4)	Handing method:	Microbial Fermentation and Hot Air Drying
(5)	Measure: Length*Width*Height (mm)	650*450*700(W*D*H)
(6)	Coverage of equipment (m2)	6
(7)	Decrement rate (%)	90%
(8)	Weight (kg)	85
(9)	Service life (h)	100000
(10)	Noise dB	65
(11)	Fermentation temperature (°C)	45-75
(12)	Power (Kw):	Solid-liquid separator (Kw) 3
	Conveyor (Kw)	0.25
	Stirring motor (Kw)	0,8
	Crusher motor (Kw)	-
	Hot air blower (Kw)	0.45
	Electric heating (Kw)	1
	Other	0.8
	Power Supply	3 phases and 4 lines 220/380V, 50/60Hz
	Max Power (h)	2kw
	Average Power(d)	8kw
(13)	Materials	
	Contact with kitchen waste	AISI304
	Materials contact with liquid	AISI304
	Appearance	AISI304 + powder paint

