

B OWC Food Waste Bio-Digester



Feeding Characters



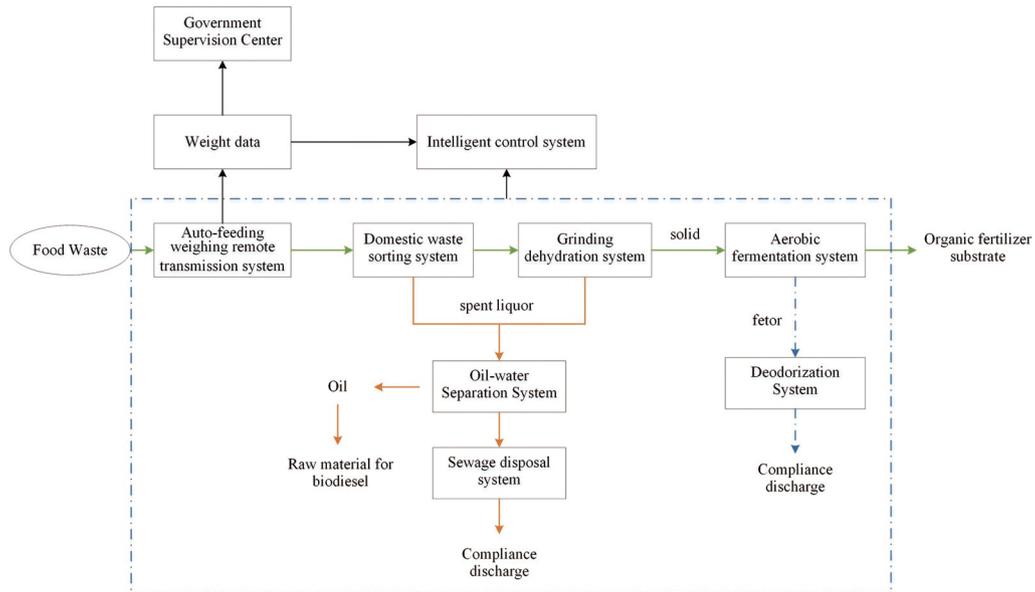
Extrusion Characters

OWC Food Waste Bio-Digester (OWC Bio-Digester) is a complete environmental protection equipment independently developed by HYHH. It is mainly consisted of four parts: pretreatment, aerobic fermentation, oil-water separation and deodorization system. The complete equipment uses microbial aerobic fermentation technology to quickly decompose and convert food waste into fertilizer. The waste reduction rate reaches more than 90% within 24 hours, and 10% of solid emissions can be used as organic fertilizer substrates for ecological planting.

EQUIPMENT FEATURES

High-temperature Fermentation	Fermentation can reach 70°C, sterilization effectively and achieve harmlessness.
High Degree of Reduction Rate	The equipment has high treatment efficiency, it can achieve a reduction rate of 10% of solid emissions.
Eco-friendly	The output is an organic fertilizer matrix, non-toxic, harmless, eco-friendly, and resource-based.
Modular Design	Flexible equipment combinations allow for large-scale centralized treatment to be performed lumped as well as scattered in-situ treatment.

PROCESS FLOW



EQUIPMENT SPECIFICATIONS

MODEL	SCALE (t/d)	AREA OF EQUIPMENT (m ²)	INSTALLED POWER (kW)	POPULATION SERVICED (per)	RESOURCE RATE (%)	SERVICE LIFE (a)
OWC-0.5T	0.5	60	24	>1250	90	10
OWC-1T	1	100	28	>2500	90	10
OWC-3T	3	250	56	>7500	90	10
OWC-5T	5	300	90	>12500	90	10
OWC-10T	10	480	210	>25000	90	10
OWC-15T	15	600	270	>37500	90	10

ENVIRONMENTAL STANDARDS



WASTE WATER

Sewage is discharged into the municipal sewage pipe network; if there is no municipal sewage pipe network, it can be collected and transported to the urban sewage treatment plant.



EXHAUST GAS

The treated exhaust gas meets local standards of pollutant emission.



ORGANIC FERTILIZER

Each index meets the relevant standards of local organic fertilizer and can be sold as organic fertilizer.