



# Zwaste Digester

Self-contained, continuous food waste treatment system designed to bio-convert solid food waste into liquid within 24 hours.



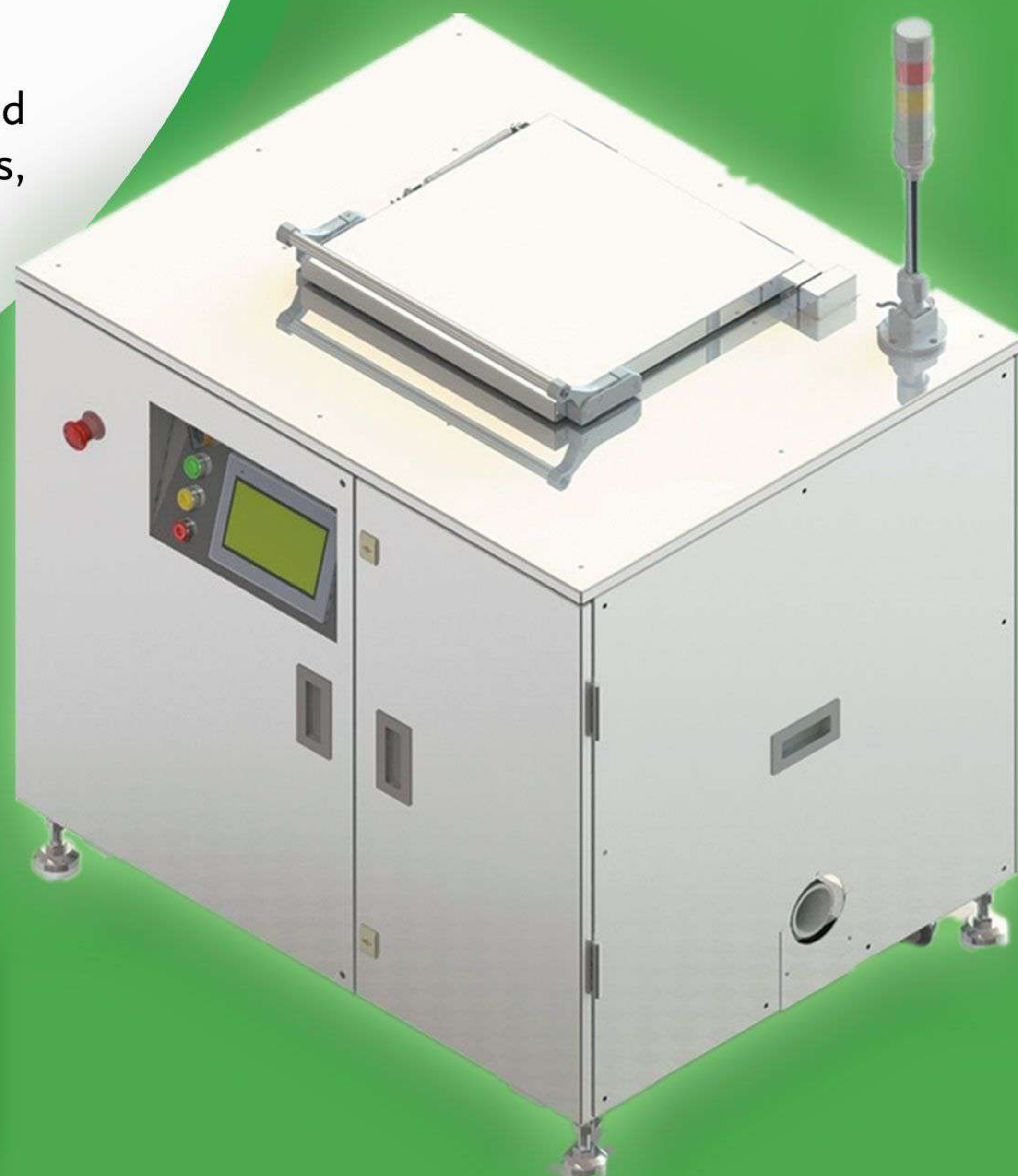


# Turning food waste into liquid

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**Zwaste Digester** is a self-contained on-site continuous food waste treatment equipment. Armed with advance biotechnology, the natural decomposition process is accelerated through maintaining optimal and balanced levels of aeration, moisture and temperature.

Under the controlled environment, our uniquely cultivated microbes convert solid food waste such as vegetables, fruits, rice, noodle, seafood and meat into either Recycled Water or Liquid Nutrient within 24 hours.



## IMPLEMENTATION BENEFITS

### Prolong Landfill Lifespan

On-site aerobic digestion process keep food waste out of landfills and lengthening landfill lifespan to last as long as possible.

### Cost-Effective

By recycling food waste and sending less to landfill could significantly save the cost of haulage fees to incineration or landfills.

### Reducing CO<sub>2</sub>

Treating food waste onsite dispense with the need to transport food waste to incineration plants thereby reducing carbon footprint.

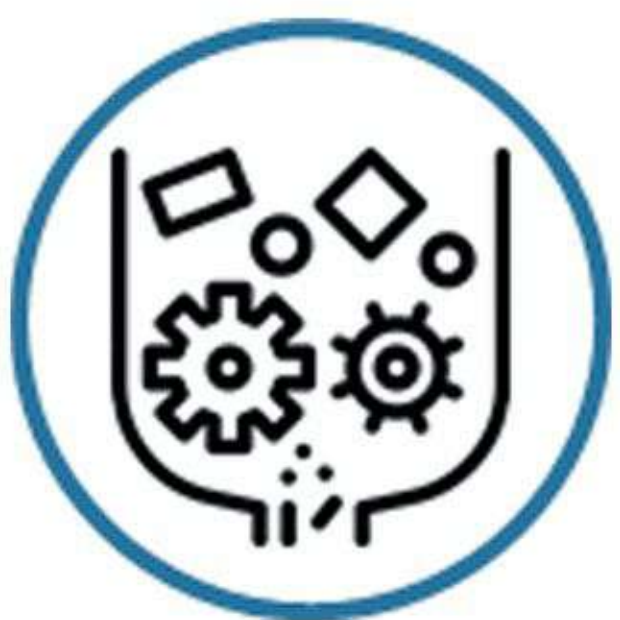
## STAGES OF DECOMPOSITION





- \* Food waste digesting within 24 hours into liquid
- \* Three options of end product available: Recycled Water (for system backwashing), Liquid Nutrient (for landscaping) or discharge as grey water
- \* Hassle-free maintenance
- \* Low energy consumption
- \* Yearly microbes replenishment
- \* Low cost automated operations
- \* Automated with continuous feed and process
- \* Simple and straightforward operating procedure
- \* Stainless steel casing for easy cleaning and long shelf life
- \* User-friendly Programmable Logic Controller (PLC) system

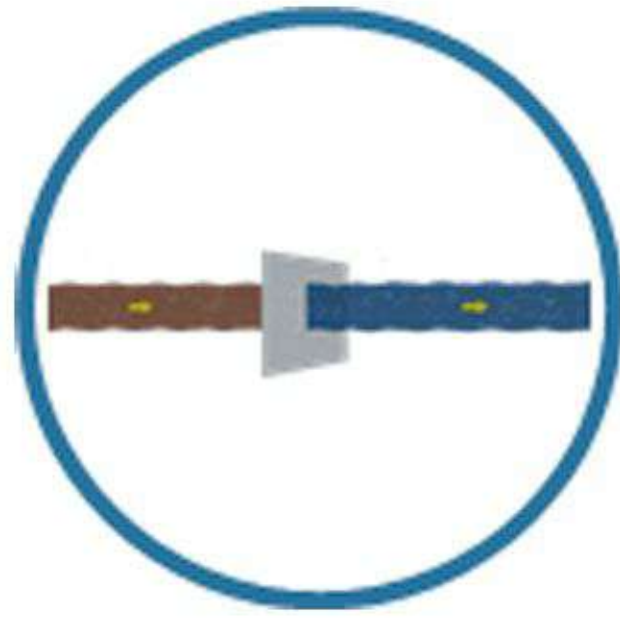
## OPTIONAL FEATURES



**Built-in Grinder**  
(to crush bones and shells)



**Bin Lifter**  
(for easy deposition of food waste)



**Dewatering**  
(reducing sludgy liquid into pipes)



**Load Cell**  
(to record weight tonnage)



**Wireless Access**  
(online retrieve weight tonnage)



**User Identification**  
(to identify sources of food waste)

## COLLABORATION INDUSTRIES



Food Hub & Caterings



Aviation



Academic Institutions



Commercial & Industrial Buildings



Food Courts & Hawker Centres



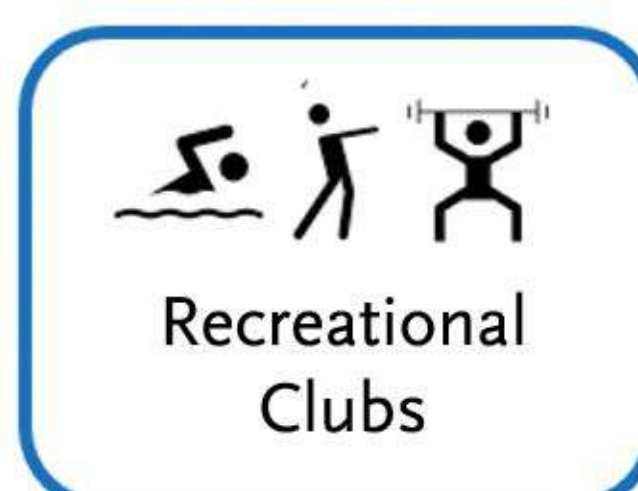
Government Institutions



Hospitals



MNC Staff Canteens



Recreational Clubs



Real Estate (Public and Private)



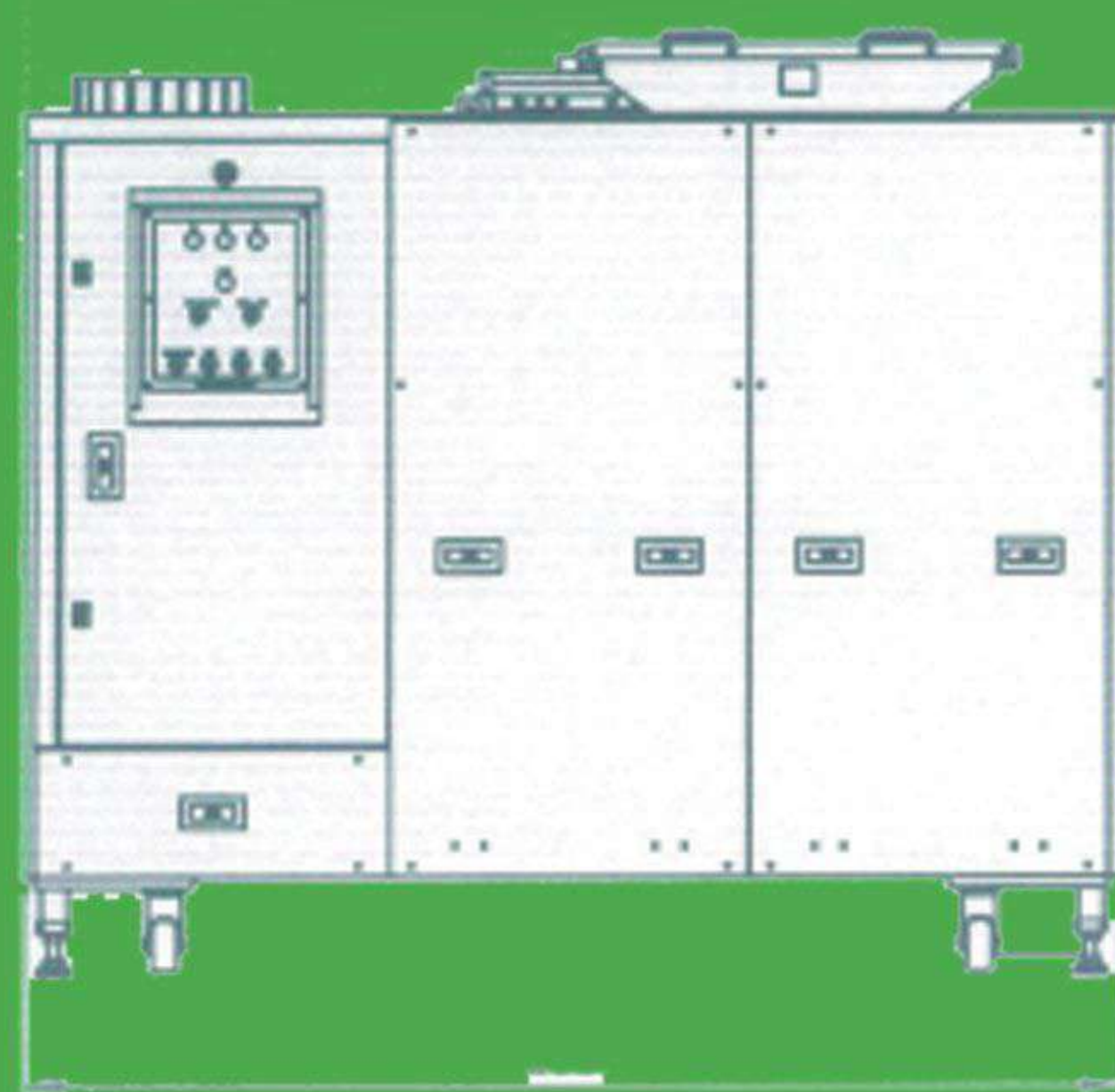
Supermarkets & Hypersmart



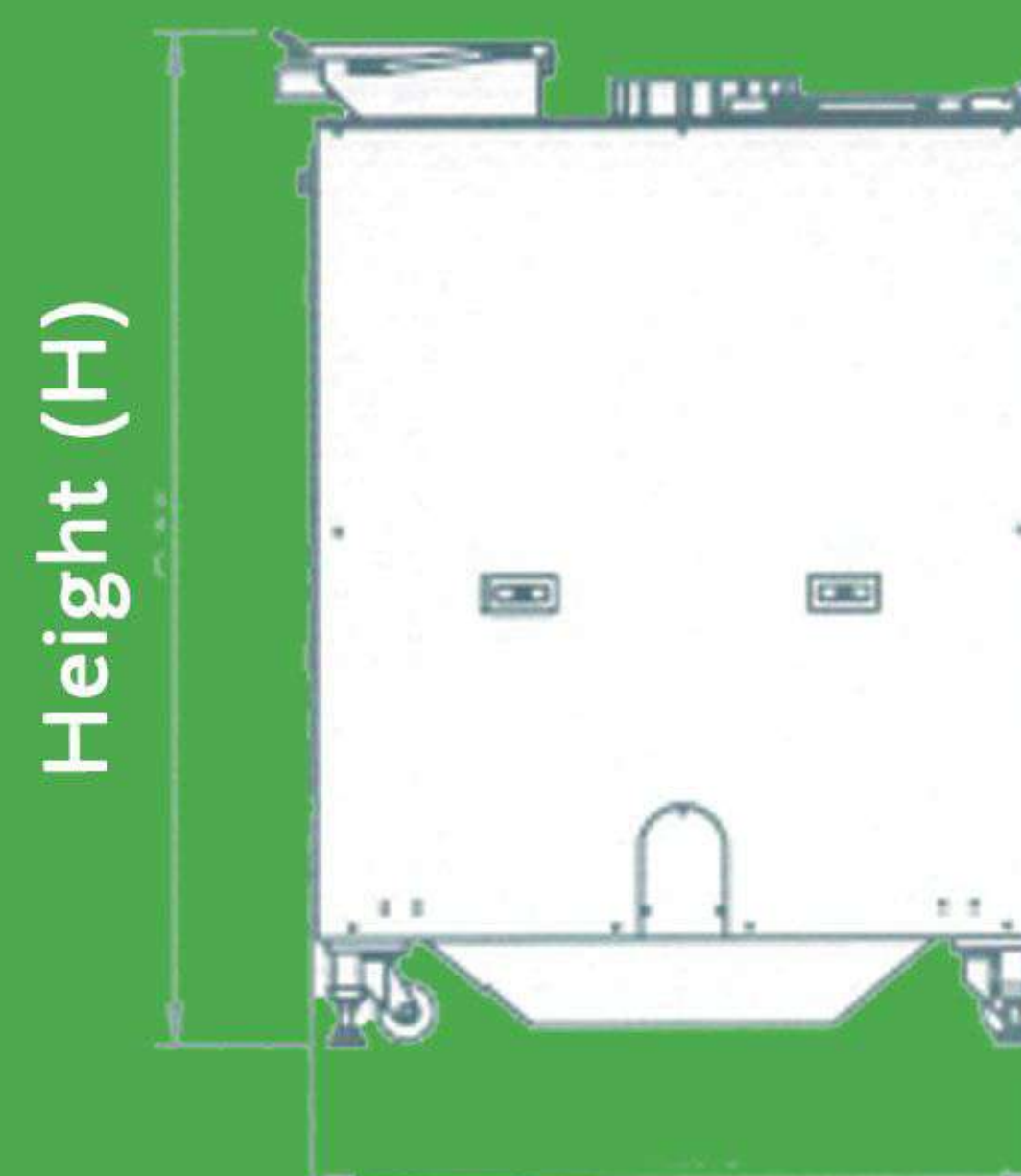
Shopping Malls



# TECHNICAL SPECIFICATIONS



Length (L)



Height (H)

Width (W)

Standard Models		Capacity	Weight	Dimensions	Power Requirement	Daily Power Consumption	Daily Water Consumption
		kg	kg	L*W*H (mm)	VAC – Phase - Amp	kWh (approx.)	Liters (approx.)
NOT Fitted with Grinder	ZW-WV50	50	225	1000*785*985	415VAC - 3P - 16Amp	2	60
	ZW-WV100	100	450	1705*885*1385	415VAC - 3P - 16Amp	3	130
	ZW-WV300	300	710	1780*1190*1545	415VAC - 3P - 20Amp	5	200
	ZW-WV500	500	1220	2070*1410*2090	415VAC - 3P - 20Amp	5	230
Fitted with Grinder	ZW-WP150	150	600	1705*890*1380	415VAC - 3P - 20Amp	4	160
	ZW-WP350	350	715	1825*1195*1545	415VAC - 3P - 32Amp	6	200
	ZW-WP500	500	1110	2065*1265*1960	415VAC - 3P - 32Amp	6	230
	ZW-WP1000	1000	1750	3410*1245*2225	415VAC - 3P - 32Amp	9	300
	ZW-WP2000	2000	2800	3600*2145*2465	415VAC - 3P - 63Amp	13	400

*\*Specifications are subjected to change without prior notice*

**towards a zero waste nation**



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