

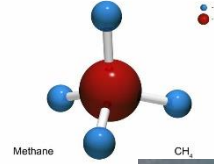


**ZERO**  
**WASTE**  
**SYSTEMS**

The logo consists of the words "ZERO", "WASTE", and "SYSTEMS" stacked vertically. "ZERO" and "WASTE" are in a dark green, bold, sans-serif font. "SYSTEMS" is in a blue, bold, sans-serif font. The letter "O" in "ZERO" is replaced by a circular arrow icon, which is a light green circle with a white arrow pointing clockwise. The background features abstract, overlapping geometric shapes in various shades of green and blue, creating a modern, eco-friendly aesthetic.

# Overview

- ▶ Food Waste is the largest waste issue worldwide with global economic and environmental concerns
- ▶ Australia produces approx. 8.5 Million Tonnes of food waste per year
  - ▶ Waste goes to Landfill or other recycling processes
  - ▶ Waste in landfill creates harmful Methane Gas which is 25 times more harmful than CO<sub>2</sub> as a Greenhouse Gas
- ▶ Time to **RETHINK Food Waste to Achieve ZERO FOOD WASTE TO LANDFILL**



# Addressing Food Waste

- ▶ Save an estimated \$9 Billion by reducing food waste generated by households, business and public sectors
- ▶ Prevent 3 Billion Tonnes of CO2 entering our atmosphere
- ▶ Return 850, 000 Tonnes of valuable nutrients to soil or to a renewable energy source
- ▶ **Join us to turn Food Waste into useful Resources.**

# Zero Waste Systems

- ▶ Represent innovative new products that reduce food waste
- ▶ Are the proud distributors for Smart Cara. The state of the art food waste recycling composter for the home. Smart Cara dehydrates, grinds and cools waste reducing it by upto 90% in as little as 3 hours. Simply plug in and use.
- ▶ Commercial Systems, using a similar process, can treat waste from 50kg's - 670kg's within 24 hours and reduce the waste by upto 93%. These systems are ideal for medium size food service operations to large institutions or facilities.
- ▶ Our systems treat food waste at the source reducing the 'global cost' of food waste management and processing.
- ▶ The dried food waste is high in nutrient and carbon that may be used as a soil additive or energy source.

smart cara



# Operational Flow Diagram

Insert Food Waste



Operational Start

Evaporation of Moisture via Indirect Heating

Auto Temperature Adjustment

Reduction of 85 - 93%

Automated Moisture Adjustment (85% - 95%)

Automated Discharging System

Soil Amendment

Waste Material Incineration

Discharge of distilled water



# Commercial Range List

**MODEL**

**CAPACITY**

**FEATURES**



ES - 80

50 Kg's

Food Waste Dehydrating Machine  
Dimensions - 880 W x 950 L x 1140 H  
Power - 3 Phase / Circuit Breaker 20 Amp  
Max - 6.41 Amp / Average Operation - 4.49 Amp



FD-100

100 Kg's

Food Waste Dehydrating Machine  
Dimensions - 1004 W x 1104 L x 1000 H  
Power - 3 Phase / Circuit Breaker 20 Amp  
Max - 10.8 Amp / Average Operation - 7.5 Amp






FD-180




150 Kg's

Food Waste Dehydrating Machine  
Dimensions - 1204 W x 1304 L x 1200 H  
Power - 3 Phase / Circuit Breaker 20 Amp  
Max - 11.1 Amp / Average Operation - 7.8 Amp

# Commercial Range List

	MODEL	CAPACITY	FEATURES
	FD-330	300 Kg's	Food Waste Dehydrating Machine Dimensions - 1300 W x 1500 L x 1280 H Power - 3 Phase / Circuit Breaker 32 Amp Max - 21.5 Amp / Average Operation - 15.0 Amp
	FD-330 + Lift	300 Kg's	Food Waste Dehydrating Machine + Lift Dimensions - 1300 W x 1830 L x 1650 H Power - 3 Phase / Circuit Breaker 32 Amp Max - 23.5 Amp / Average Operation - 16.5 Amp
	FD-550	400 Kg's	Food Waste Dehydrating Machine Dimensions - 1500 W x 1900 L x 1600 H Power - 3 Phase / Circuit Breaker 40 Amp Max - 27.6 Amp / Average Operation - 19.3 Amp

# Commercial Range List

	MODEL	CAPACITY	FEATURES
	FD-550 + Lift	400 Kg's	Food Waste Dehydrating Machine + Lift Dimensions - 1500 W x 2230 L x 1970 H Power - 3 Phase / Circuit Breaker 40 Amp Max - 30 Amp / Average Operation - 21.0 Amp
	FD-880 + Lift	600 Kg's	Food Waste Dehydrating Machine + Lift Dimensions - 1670 W x 2370 L x 2310 H Power - 3 Phase / Circuit Breaker 50 Amp Max - 38.7 Amp / Average Operation - 21.1 Amp
	ES-1000 + Lift	670 Kg's	Food Waste Dehydrating Machine + Lift Dimensions - 1350 W x 2200 L x 1650 H Power - 3 Phase / Circuit Breaker 50 Amp Max - 41.65 Amp / Average Operation - 29.16 Amp



# Zero Waste Systems

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