



**TOPFLOW  
ENGINEERING**

Together we create a cleaner environment  
for future generations

一起为未来下一代创造更干净的环境

Today's Food Waste, Tomorrow Food Fuel

今日的食物浪费，明日化作成环保肥料





## Automatic Food Waste Decomposer Machine

Code : TF-CC-50

### Technical Parameters

- ✓ Material : Stainless Steel SS304
- ✓ Gross Weight : 170KG
- ✓ Degradation Rate : >90%
- ✓ Garbage Handling Capacity : 50KG/day
- ✓ Treatment Method : Microbial Decomposition
- ✓ Maximum Size : W1265mm / D550mm / H960 mm

### Food Waste can be handle

- ✓ Vegetable Leaves / Leftovers / Vegetable Peel / Fish / Meat / Crab Shell / Shrimp Shell / Egg Shell / Small Bones / Bread / Coffee Grounds, etc.

### Features:

- Simple operation, fully automated operation, no manual sorting.
- Less investment, low operating cost, small footprint.
- Can decompose up to 50 Kgs of organic waste, ideally in 12 to 16 hours.
- The food and kitchen waste reduction is about 85-90%, and the output (soil conditioner) product indicators have reached national standards.
- No odor emission, no sewage discharge, no secondary pollution, no harm, and resource utilization during the operation of the equipment.



## Automatic Food Waste Decomposer Machine

Code : TF-CC-100

### Technical Parameters

- ✓ Material : Highly Durable Q235B + SUS304
- ✓ Gross Weight : 640KG
- ✓ Degradation Rate : >90%
- ✓ Garbage Handling Capacity : 100KG/day
- ✓ Treatment Method : Microbial Decomposition
- ✓ Maximum Size : W1600mm / D1150mm / H1200 mm

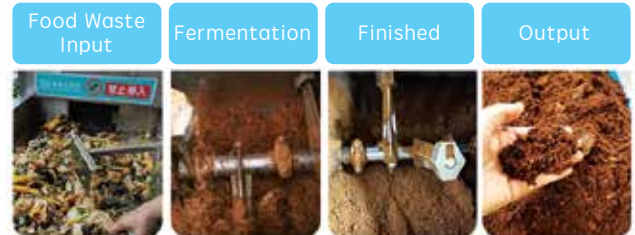
### Food Waste can be handle

- ✓ Vegetable Leaves / Leftovers / Vegetable Peel / Fish / Meat / Crab Shell / Shrimp Shell / Egg Shell / Small Bones / Bread / Coffee Grounds, etc.

### Features:

- Simple operation, fully automated operation, no manual sorting.
- Less investment, low operating cost, small footprint.
- Can decompose up to 100 KGs of any type of organic food waste, per cycle using multi-stage indirect heat and dry composting method, tentatively within 24 hours.
- The food and kitchen waste reduction is about 85-90%, and the output (soil conditioner) product indicators have reached national standards.
- No odor emission, no sewage discharge, no secondary pollution, no harm, and resource utilization during the operation of the equipment.
- The equipment adopts self-developed full PLC touch intelligent control and an online monitoring system. The main components are Schneider and LCD screen, Schneider. The operation interface is clear and simple.

### Composting Process



### Items Cannot Compost

Plastic Products / Metal / Ceramics // Fuel Oil / Cutlery / Toys / Drink Cans / Bottles / Paper // Rubber Bands / Large Animal Bones / Cloth / Other Domestic Waste and Hazardous Waste.





## Household Composting Machine . Code : TF-CC-2

### Technical Parameters

- ✓ Material : ABS
- ✓ Gross Weight : 20KG
- ✓ Degradation Rate : >95%
- ✓ Garbage Handling Capacity : 2 – 2.5KG/day
- ✓ Treatment Method : Microbial Treatment
- ✓ Maximum Size : L600mm / W300mm / H680mm

### Food Waste can be handle

- ✓ Vegetable Leaves / Leftovers / Vegetable Peel / Fish / Meat / Shrimp Shell / Crab Shell / Egg Shell / Small Bones / Bread / Coffee Grounds, etc.

### Features:

- Clean and practical, the product can treat 2 to 5 kg of organic food waste in just 6–24 hours.
- The product is able to reduce the weight and volume of organic waste to 95%.
- 95% of organic food waste will be decomposed into air & vapor, the left 5% turned into by-products that can be used as fertilizers.
- Designed for the kitchen, Unique Food Recycler reduces food waste by over two-thirds of its original volume through a fully automated process.

## Household Composting Machine . Code : TF-CC-5

### Technical Parameters

- ✓ Material : SUS 304
- ✓ Gross Weight : 38KG
- ✓ Degradation Rate : >90%
- ✓ Garbage Handling Capacity : 5 – 5.5KG/day
- ✓ Treatment Method : Fermentation & Decomposition using Micro-Bite
- ✓ Maximum Size : L300mm / W510mm / H645mm

### Food Waste can be handle

- ✓ Vegetable Leaves / Leftovers / Vegetable Peel / Fish / Meat / Shrimp Shell / Crab Shell / Egg Shell / Small Bones / Bread / Coffee Grounds, etc.

### Features:

- Clean and practical, the product can treat 5 kg of organic food waste in just 6–24 hours.
- The product is able to reduce the weight and volume of organic waste to 90%.
- 90% of organic food waste will be decomposed into air & vapor, the left 10% turned into by-products that can be used as fertilizers.
- Designed for the kitchen, Unique Food Recycler reduces food waste by over two-thirds of its original volume through a fully automated process.



## Household Composting Machine . Code : TF-CC-10

### Technical Parameters

- ✓ Material : SUS 304 & Steel
- ✓ Gross Weight : 70KG
- ✓ Degradation Rate : >90%
- ✓ Garbage Handling Capacity : 10 – 20KG/day
- ✓ Treatment Method : Fermentation & Decomposition using Micro-Bite
- ✓ Maximum Size : L650mm / W440mm / H730 mm

### Food Waste can be handle

- ✓ Vegetable Leaves / Leftovers / Vegetable Peel / Fish / Meat / Shrimp Shell / Crab Shell / Egg Shell / Small Bones / Bread / Coffee Grounds, etc.

### Features:

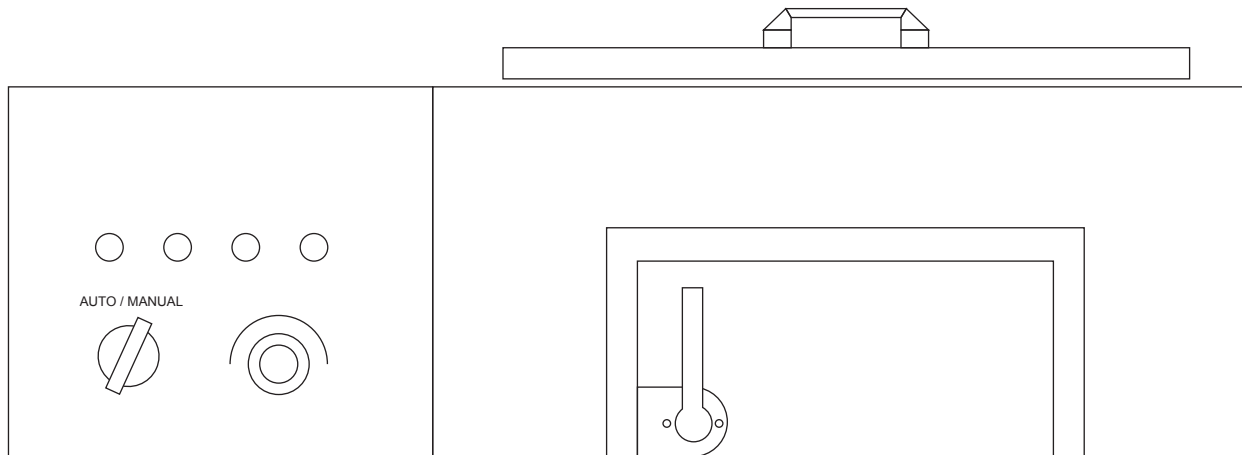
- Odour Free, Noise Free, and Weather Resistant.
- No need to add sawdust or bacteria.
- No additional labour is required.
- Using a fusion of engineering and biotechnology enables us to reduce the composting time to 24 hours.
- The composter is a fully automatic composting machine with a central processing unit and sensors installed which automatically control all the operations.
- The machine achieves a volume reduction in food waste up to 90%. Example: 100kgs of food waste will be reduced to 10kgs of compost in 24 hours.
- All types of organic food waste including chicken and mutton bones, eggshells, lemon, and orange peels can be processed.





## HOW IT WORKS

Top Flow Organics Commercial Composters use microbes and heat to transform food waste into nutrient-rich soil in only 24 hours. The continuous process makes it easy to add food waste throughout the day, with compost unloaded weekly.



### 24 Hour Compost

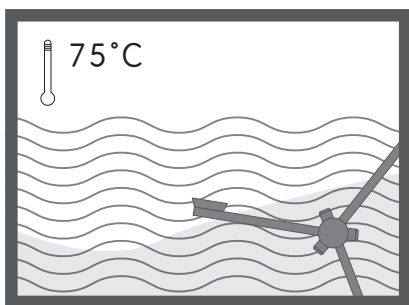
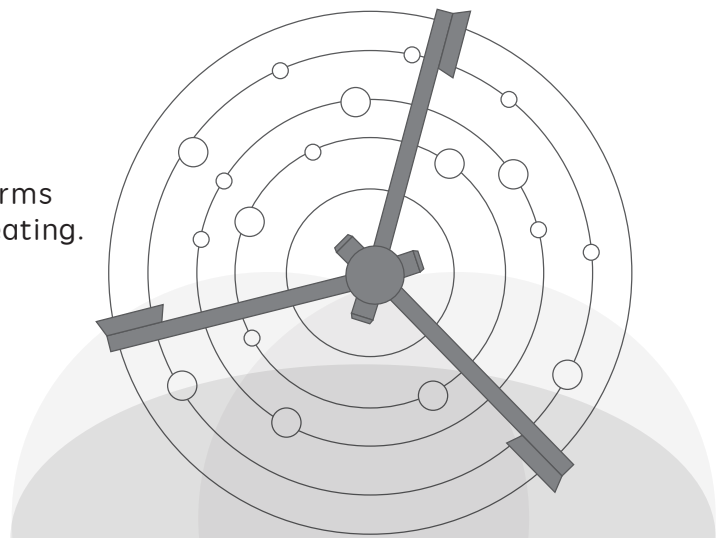
Top Flow Organics Commercial Composters speed up the natural composting process to a 24 hour, automated and energy-efficient technology.

### Decomposing Chamber

The composting chamber has internal rotating arms for mechanical agitation and an oil jacket for heating.

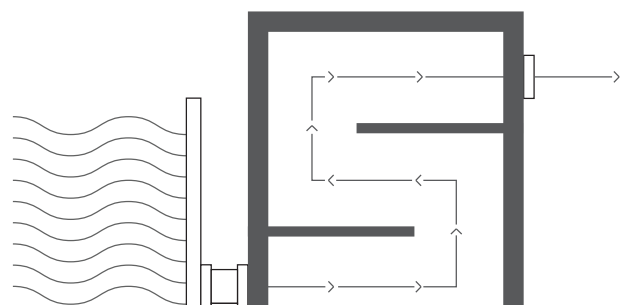
### Microorganisms

Our units use naturally occurring microbes to compost organic waste in 24 hours and achieve reduction of 80–90%.



### Pasteurisation

The temperature of the tank is raised to high temperatures to eliminate harmful bacteria.



### Odour Management

Vented airflow ensure aerobic digestion which prevents methane (odour) and minimises other odours associated with the composting process (earthy smell).

Distributed By

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