Quickly reduce food waste by 85% 

Patented design for compost extraction 

Active, high temperature decomposing enzymes turn food waste into compost rapidly.
Quick Instructions

1. Install the unit at a suitable location to protect the power supply from weather. Install four leveling glides to the bottom. Connect attached air pipe if placed indoors (Refer to page 3.)

2. Use 110V/220V AC power source.

3. Open the top cover and put the accessories into the tank in following order:
   (a) Put all the sawdust into the tank
   (b) Add 40oz to 50oz of clean water
   (c) Spread enzymes and sugar evenly on the sawdust

4. Press the "POWER" button. The "power" light will be on and "TANK TEMP" light will be displayed showing the temperature in the tank. Close the top cover to start mixing. Leave it running for 24 hours before adding food waste.

5. Please refer to page 5 of the manual for compostable food waste items.

6. Drain water before putting food waste into the tank. Close the top cover tightly, which causes the "power" light to start flashing and starts the mixing operation. The enzymes are now working.

7. Put food waste into the tank anytime but nothing over the weight of 4.4 Pounds.

8. DO NOT put any non-compostable food waste. Please refer to page 5 of the manual.

9. Follow the steps below for extracting compost:
   (a) Open the front cover and put down the locking bar.
   (b) Place a trash bag in front of the tank. Keep pressing the "EXTRACTOR" button and the mixer will push the compost out of the tank.
   (c) After each extraction, refill the tank with the compost removed. Always keep the compost in the tank above the "LO" position to keep composting process going.
   (d) If the tank is emptied, you will have to purchase a new enzyme pack from assigned dealers for next composting.

10. As fresh compost is still very active, follow the instructions for mixing the compost with normal soil before using. DO NOT put the compost directly on the roots of your plants.

Notice

1. Keep the unit plugged in all the time. This machine comes with an automatic power saving mode. If the top cover is not opened for 48 hours, the machine will go into power saving mode.

2. When the top cover is opened, the mixer and heater will automatically shut down for safety.

3. Drain water before adding food waste into the tank. This will save energy and bring best result.

4. Both cooked and uncooked food waste can be added. It may take longer to decompose fibrous, thick vegetables scraps and fruit peel (especially citrus peel.) Cut them into small pieces (less than 3 cm) to facilitate decomposition.

5. Add proper amount of clean water into the tank when it is too dry, but do not make it too wet for it may produce an acidic odor. Sawdust can be used to help eliminate the odor if too much water is poured into the tank. Moisture level in the tank may affect the composting process.

6. How to eliminate strong odors
   Some food with strong smell (onion, garlic, leek, fish tripe) may produce a strong or acidic smell. Adding 50g – 100g of coffee grounds, tea leaves, or baking soda into the compost tank can help reduce odors.

7. DO NOT add food waste items containing too much oil or salt into the tank. They are not good for making compost.

8. Place the unit in a ventilated area indoors or a sheltered area outdoors.

9. Unplug before cleaning. DO NOT sprinkle water directly on the machine.

10. Keep children away from the unit.

11. Clean the inside of the unit regularly (Refer to p.9) to ensure proper functioning.

Thank you for choosing our Food Waste Decomposer. Please read this manual thoroughly and use the machine accordingly. Put the manual and the warranty card in a safe place.
List of Parts and Functions

Front View

- Opening Handle
- Control Panel
- Indication Lines (HI, STD, LO)
- Air Outlet Filter
- Air Inlet
- Lifting Handle
- Tank
- Front Cover

Back View

- Power Cord

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Control Panel and Accessories

Control Panel

- **FAN**
  - The light on indicates fan operating

- **ALARM**
  - Red light on indicates problems. Unplug or contact dealers

- **LAMP**
  - The light will flash when mixer is operating

- **EXTRACTOR**
  - Press the button to extract compost

- **Temperature Display**
  - Indicates the temperature inside the tank

- **Heating Light**
  - Green light on indicates heater working

- **Power Light**
  - The light will be on after plugged in. The light flashes when power is normal

- **POWER**
  - When the power light is flashing, press the button to start operation

Accessories

- Enzyme Pack
  - sugar enzymes

- sawdust

- air pipe

- leveling glides

Installation

Locations

When using outdoors, choose a suitable location to protect the power supply from weather.

When using indoors, install the unit in a ventilated area and connect the air pipe.

Install leveling glides

Install attached four leveling glides to the bottom of the unit. Adjust to level the base.

Connect Air Pipe

Install attached air pipe to the air outlet on the side of the unit to release the heat outdoors. When installation is finished, you can prepare the mixing of the enzyme pack.
**Preparation**

**Remove the enzyme pack from the carton and tear it open. Prepare 1200cc~1500cc of clean water. Put sawdust, enzymes, and sugar in the tank in order.**

**Add Enzyme Pack**

Open the top cover. Add the sawdust into the tank until it reaches the “STD” line. Next, slowly add 1200cc~1500cc of clean water (about 40oz~50oz) to allow the sawdust fully soaked. Then spread enzymes and sugar evenly on the moistened sawdust. Close the cover, wait for 24 hours, and the enzyme awakening work is done.

**Connect Power**

1. After power is connected, the green power light will start flashing.
2. Press the "POWER" button, and the temperature, heating, and FAN lights will be displayed. "LAMP" light will also start flashing meaning the mixer is operating.

**Attention**

Don’t unplug during decomposing process.

**Food Guide**

1. Drain water before putting food waste in the tank.
2. DO NOT add non-organic items (cigarette, medicine, metal, glass, plastic, styrofoam, rubber bands, cloth, paper, etc.)

- **Hard material:**
  - big beef and pork bones, rib bones, sea shells
  - twigs, dead leaves, wood chips

- **Wood material:**
  - marinating sauce, soy sauce, dipping sauces, greasy food scraps
  - hogwash grease, cooking oil

- **Salty material:**
  - rice, noodles, soybean products, pastry, bread, snacks, milk powder
  - cooked meat, uncooked meat, tripe

- **Liquid:**
  - beef, lamb, pork, poultry, fish
  - shrimp, crab shells, egg shells, fish bones, soft bones, small chicken bones

- **Compostable:**
  - vegetables and fruit
  - cooked and uncooked meat
  - soft shell and fine bones
  - NO hard material

- **Not Compostable:**
  - vegetables and fruit
  - cooked and uncooked meat
  - soft shell and fine bones
  - NO hard material
Operation

1. Add Food Waste Cover

Drain water before putting food waste into the tank.
※ No more than 2.0kg (4.4 pounds) of food waste a day.

Attention

- Drain water before adding food wastes into the tank.
- Break lumpy food waste before adding into the tank.
- Don't put too much food waste with strong smell per day.
- Don't put large or long objects in directly. It may cause a bad smell and slow down the decomposition. Cut long pieces of food waste into 5cm (2 inches) before putting it into the tank.

2. Close Top Cover

After top cover is closed, the machine will start mixing and decomposing automatically.
※ Slow decomposition is normal when enzymes are not yet active at the beginning.
※ Close top cover tightly to ensure temperature control in the tank and prevent odors from escaping.

Power Saving

The machine will go into power saving mode when it’s not used for 48 hours.
※ Power saving mode will be activated when the top cover is not opened for 48 hours (the motor, fan, and heater will shut down to save energy.)
※ When the top cover is opened and closed again, the unit will resume operation.

Cleaning Methods

Clean the unit periodically

1. Clean air inlet and air outlet filter regularly. (dirt and dust may affect air circulation and decomposition efficiency)

2. Clean dirt and dust on, and in, the unit (especially around the tank opening to avoid attracting mosquitoes and flies.)

Exterior and Interior

When you find dirt on the machine, follow the instructions below:

Attention

DO NOT wash the machine with direct jets of water to avoid short circuit or other function and safety problems.

1. Use a cloth with warm water or mild cleaner to remove dirt on the exterior.

2. Use a cloth or kitchen towels to clean dirt on the interior (including tank opening, top cover, and filter.)
   ※ Open the top cover to remove the filter.
   ※ Wash the dirt off the filter with warm water.
   ※ Make sure the filter is dried off before placing it back.

Clean the Tank

(If no enzyme abnormality occurs, it’s not recommended to clean the tank under normal operation.)

1. Open the top cover and front cover.

2. Put down the locking bar.

3. Press “EXTRACTOR” button to remove compost.

4. Unplug.

5. Clean the tank with a slightly damp cloth or wash it with warm water.
Extract Compost and How It Works

Extraction time of compost varies depending on food waste material and processing amount. It takes a shorter time to break down noodles, pastries, and meat, and longer time for vegetable leaves and egg shells. Stop adding food waste 2 to 3 days before extraction.

Extracting Steps

1. Open the top cover.
2. Remove the front cover.
3. Put down the locking bar.
4. Keep pressing 'EXTRACTOR' button.
5. Collect the compost.
6. Reverse steps 1 to 4

This machine comes with a patented compost extracting design. Place a plastic bag in front of the unit to collect finished compost before pouring it into a bucket or a bag for maturation.

Difference between compost and organic fertilizer

Compost: As decomposed food waste contains acidity, it is not ideal fertilizer. Before it can be used as organic fertilizer on plants, it must mature over a period of time.

Organic Fertilizer: Organic fertilizer contains rich nutrients for plants. When using, mix organic fertilizer with normal soil in different ratios depending on applications.

Maturation of Compost

Place fresh compost at a ventilated area to cure and dry.

How long does it take for compost to mature?

<table>
<thead>
<tr>
<th>Season</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Summer</td>
<td>1 month</td>
</tr>
<tr>
<td>Winter</td>
<td>2 months</td>
</tr>
</tbody>
</table>

Advised: It takes at least 3 weeks for the compost to mature.

How to determine compost maturity?

- The texture should be loose and granular.
- Instead of foul odors or pungent smells, you smell an earthy aroma.
- Stir compost to determine if it's ready. It's hard to identify the smell when the compost is too dry.

Making Organic fertilizer and Organic Planting

Mixing Ratio

<table>
<thead>
<tr>
<th>Compost/Soil Ratio</th>
<th>Vegetables, Fruit</th>
<th>Flowers</th>
<th>Potted plants</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 : 5</td>
<td>1 : 10</td>
<td>1 : 20</td>
<td></td>
</tr>
</tbody>
</table>

What is needed?

1. hand shovel 2. water 3. normal soil 4. compost

Organic fertilizer

1. Food waste contains vast amounts of nutrients.
2. Food waste can be turned into perfect organic fertilizer after enzyme decomposition.
3. Fully fermented food waste is a safe, high quality organic fertilizer.
4. Organic fertilizer can help increase good microbes in the soil and make plants more resistant to pests and diseases.
5. Organic fertilizer is beneficial to water and soil conservation.
6. Organic fertilizer can increase soil granulation. Chemical fertilizer can cause soil acidification.
7. Replace chemical fertilizer with organic fertilizer to reduce nitrate in vegetables.

Organic Planting

1. Mature compost: After a curing period of 1 to 2 months, compost matures into active organic matter.
2. After mixing with soil: Organic fertilizer provides plants with necessary nutrients for growth.
3. When watering potted plants: Drain extra water to eliminate salt thus reducing damage to plants.
4. When fertilizing: DO NOT apply fertilizer directly to the roots.
## Trouble Shooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible reason</th>
<th>Solution</th>
</tr>
</thead>
<tbody>
<tr>
<td>All lights off</td>
<td>No power supply</td>
<td>Make sure the power cord is plugged in</td>
</tr>
<tr>
<td>Poor decomposition</td>
<td>Enzymes not awakened</td>
<td>Weak processing ability at the beginning</td>
</tr>
<tr>
<td>Undecomposed</td>
<td>Large in size?</td>
<td>Cut food waste into small pieces</td>
</tr>
<tr>
<td>Slow decomposition &amp; low</td>
<td>Low temperature in winter</td>
<td>Outdoor temperature affects decomposing rate</td>
</tr>
<tr>
<td>temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slow decomposition High</td>
<td>Check if air outlet blocked</td>
<td>Clean air outlet</td>
</tr>
<tr>
<td>temperature</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compost color doesn't turn dark</td>
<td>Too much food waste</td>
<td>Reduce adding amount for 2 to 3 days</td>
</tr>
<tr>
<td>Water drops on the edge of the</td>
<td>The cover is not properly closed</td>
<td>Close the cover tightly</td>
</tr>
<tr>
<td>cover</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Too dry inside the tank</td>
<td>Not enough food waste?</td>
<td>Add some water</td>
</tr>
<tr>
<td>Leaking in the tank</td>
<td>Too much water in the tank</td>
<td>Add sawdust or remove compost to cure</td>
</tr>
<tr>
<td>Knocking sound in the unit</td>
<td>Large hard material in the tank</td>
<td>Pick out hard material with a hand shovel</td>
</tr>
<tr>
<td>Too much water</td>
<td>• Add too much water before sawdust is</td>
<td>• Drain water or add sawdust</td>
</tr>
<tr>
<td>(Water Under the machine)</td>
<td>soaked</td>
<td>• Make sure the front cover is properly closed</td>
</tr>
<tr>
<td></td>
<td>• Steam condensed into droplets</td>
<td>• Remove compost to cure</td>
</tr>
<tr>
<td></td>
<td>• Level of food waste water is higher</td>
<td>• Contact dealers</td>
</tr>
<tr>
<td></td>
<td>than the mixer</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• The tank is damaged</td>
<td></td>
</tr>
<tr>
<td>Strong or bad odors</td>
<td>• Top cover not properly closed</td>
<td>• Close top cover tightly</td>
</tr>
<tr>
<td>(Under normal operation. No</td>
<td>• Too much food waste</td>
<td>• Stop adding for 2 to 3 days</td>
</tr>
<tr>
<td>weakened or abnormal enzymes.)</td>
<td>• No air comes out of air pipe</td>
<td>• Make sure air pipe is properly installed or contact dealers.</td>
</tr>
<tr>
<td></td>
<td>• Too much strong smelled or rotten</td>
<td>• Bad odors might occur for a short while</td>
</tr>
<tr>
<td></td>
<td>food waste</td>
<td>• Remove attached food waste</td>
</tr>
<tr>
<td></td>
<td>Too much water in food waste</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Food waste attached to the tank opening</td>
<td></td>
</tr>
</tbody>
</table>

If the problem remains after trying the following solutions listed below, please unplug immediately and contact dealers to avoid danger.

<table>
<thead>
<tr>
<th>Trouble</th>
<th>Possible reason</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>&quot;ALARM&quot; light on with a beeping sound</td>
<td>• Hard material in the tank or mixer doesn't rotate</td>
<td>• Unplug and pick out hard material in the tank. If the condition doesn't</td>
</tr>
<tr>
<td></td>
<td>• Unplug and start over</td>
<td>improve, contact dealers</td>
</tr>
<tr>
<td></td>
<td>• If the light comes on again after 1 hour,</td>
<td>Unplug and contact dealers</td>
</tr>
<tr>
<td></td>
<td>Unplug and contact dealers</td>
<td></td>
</tr>
</tbody>
</table>

### Specification

<table>
<thead>
<tr>
<th>Product name</th>
<th>Earth System Automatic compostor</th>
<th>Design/made</th>
<th>Taiwan</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model Number</td>
<td>CF-100</td>
<td>Size</td>
<td>W420×D430×H565mm</td>
</tr>
<tr>
<td>Voltage</td>
<td>AC110V or 220V</td>
<td>Weight</td>
<td>12.4 KG (machine body only)</td>
</tr>
<tr>
<td>Frequency</td>
<td>50Hz or 60Hz</td>
<td>Caution</td>
<td>Do not use in a confined space</td>
</tr>
<tr>
<td>Power consumption</td>
<td>275W-320W</td>
<td>Application</td>
<td>Home Composting</td>
</tr>
</tbody>
</table>
Warranty Card

Manufacturing number: CF100-

• One year warranty of all parts from the day of purchase.

• Please contact us or local dealers in the event of malfunction of the machine during warranty period.

• This warranty doesn't include enzyme pack.

Purchaser: __________________________ Date of purchase: ____________

Dealer: ______________________________

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