



Organic Fertilizer Fermenting Equipment Waste Composting Machine Manure Fermentation Tank

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: TONGDA
- Certification: CE, ISO
- Model Number: 15m³
- Minimum Order Quantity: 1
- Packaging Details: According to customer requirements
- Delivery Time: 5-10 days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 100 units per month



Product Specification

- Name: Horizontal Fermentation Tank
- Application: Processing Fertilizer
- Power: 22KW
- Function: Manage Manure And Make Organic Fertilizer
- Raw Material: Organic Manure
- Advantage: High Yield And Environment Friendly
- Processing: Fermenting Equipment
- Highlight: **Organic Waste Composting Machine, Organic Fertilizer Waste Composting Machine**



Product Description

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The basic principle of a horizontal fermentation tank for organic fertilizer is high-temperature aerobic fermentation, which can be used to treat various organic waste such as animal manure, organic waste residue, and crop straw. The harmless treatment process can be completed in about 10 hours. As a new generation equipment in the organic fertilizer industry, the rapid fermentation tank has changed the traditional pool fermentation process, greatly improving production efficiency, and taking the production of organic fertilizer products to a higher level.

The organic fertilizer horizontal fermentation tank controls the temperature between 65-75 °C through ventilation, oxygenation, and stirring, achieving the temperature for material fermentation treatment. When the temperature is reached again, it can cause a large number of pathogenic bacteria and parasites in the pile to die. At the same time, the deodorization system is used to treat the emitted gas with biological odor, achieving the goal of harmless treatment. The product obtained from high-temperature aerobic fermentation can be used for soil improvement, landscaping, landfill cover soil, etc.

Advantages of horizontal fermentation tank products:

- 1. Low energy consumption:** Energy conservation and emission reduction, low energy consumption. High temperature aerobic fermentation has a short fermentation cycle, small floor area, and high degree of automation.
- 2. Fast fermentation speed:** Under normal circumstances, fermentation is completed in 7 days, with wide adaptability, suitable for both north and south, and not affected by temperature.
- 3. Wide applicability:** suitable for uniformly mixing powders and liquids of various components.
- 4. Low material residue:** The powder material adopts a pneumatic large door structure, which has fast unloading and no residue.
- 5. Customized support:** 5-50M3 fermentation tanks with different capacities and forms (horizontal, vertical) can be customized according to customer needs.

Model	Heating Power(kw)	Stirring Power(kw)	Reducer Model	Stirring Speed(r/min)	Dimensions(mm)
15m³	30	22	ZQD850-291.19	3.4	6000*2600*2800
20m³	30	37	ZQD850-163.38	6	7400*2820*3260

Horizontal fermentation tank structure:

Firstly, the material to be fermented is fed into the fermentation tank through a belt conveyor from the feeding port. While feeding the material, the main motor is started, and the main shaft is driven by the motor reducer to start stirring. At the same time, the spiral blades on the stirring shaft flip the animal material, allowing the material to fully contact the air and start the aerobic fermentation stage of the material to be fermented. Secondly, the heating system of the bottom electric heating rod is controlled by the electric box to start heating the thermal oil in the interlayer of the fermentation tank. At the same time, the temperature of the tank is regulated by a temperature sensor to control the temperature of the fermentation tank in a good state required for fermentation. After the material fermentation is completed, the tank is discharged through the discharge port for the next processing step.



FAQ:

Q: Can I use this production line to produce multi granularity particles?

Yes, our production line is multifunctional. We can customize ring moulds of different sizes. In this way, you can easily adjust the size of your ball.

Q: I know little about the fertilizer production line. How to choose the most suitable machine?

Just tell us your raw materials, capacity (tons / hour) and the size of the final particle product, and we will choose the machine for you according to your specific situation.

Q: Our workers don't know how to operate the production line. What should I do?

Our engineers will guide on-site workers on how to install machines and build workshops. Then, our engineers will test the production line on site and train your workers how to operate it.

Q: Are you a trading company or a manufacturer?

We have a large factory in Jiaozuo, China, covering an area of 10000 square meters. Welcome to visit.

Q: What's the Production Period of the Fertilizer Machine?

For single fertilizer machine, our production time is 7 days; and for whole fertilizer production line, our production time is no more than 30 days.

Q: What's the Quality Guarantee and Certifications?

all of our machine have passed ISO and CE certification, we can guarantee the highest quality and our warranty time is 5 years after shipment date.



TONGDA HEAVY

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