



Fertilizer Stainless Fermentation Tank Mushroom Residue Rapid Composter Machine

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
- Capacity: Customized
- Power: 22KW
- Voltage: 380V/220V
- Keywords: Bio-organic Fertilizer Turner
- Colour: Customizable
- Highlight: **Mushroom Residue Rapid Composter Machine, Fertilizer Stainless Fermentation Tank, Mushroom Residue Stainless Fermentation Tank**



More Images



Product Description

Organic Waste Rapid Composting Machine Organic Fertilizer Manure Fermentation Tank

The organic fertilizer fermentation tank is used to treat pig manure, chicken manure, cow manure, sheep manure, mushroom residue, traditional Chinese medicine residue, crop straw and other organic wastes. It can complete the harmless treatment process in 10 hours, with a small floor area (the fermentation machine only covers 10-30 square meters), (closed fermentation), and kill disease and insect eggs (can be adjusted to 80-100 °C high temperature). It is a good choice for the vast number of breeding enterprises, circular agriculture, and ecological agriculture to realize the resource utilization of waste. In addition, 5-50m³ fermentation tanks with different capacities and different forms (horizontal and vertical) can be customized according to customer requirements.

The aerobic fermentation treatment equipment of livestock and poultry excrement adopts the principle of aerobic fermentation of aerobic microorganism, which enables the microorganism to use the organic matter and residual protein in livestock and poultry excrement to reproduce rapidly under certain temperature, humidity and sufficient oxygen environment. During reproduction, they consume organic matter, protein and oxygen in feces and metabolize to produce ammonia, CO₂ and water vapor. At the same time, a large amount of heat is released to increase the temperature in the tank. The temperature of 45 °C~70 °C can further promote the growth and metabolism of microorganisms. At the same time, the temperature above 60 °C can kill the harmful bacteria, pathogens, parasitic eggs and other harmful substances in the feces. At the same time, the temperature, humidity and PH value for the survival of beneficial bacteria can be balanced to meet the conditions for the survival of beneficial bacteria. With the continuous addition of fresh livestock and poultry feces, the microorganism in the tank will continue to reproduce, so as to realize the harmless treatment of feces.

Model	Heating Power(kw)	Stirring Power(kw)	Reducer Model	Stirring Speed(r/min)	Dimensions(mm)
15m ³	30	22	ZQD850-291.19	3.4	6000*2600*2800
20m ³	30	37	ZQD850-163.38	6	7400*2820*3260

Working principle of organic fertilizer fermentation equipment:

1. The thickness of fermentation materials in the tank is 70-90cm. The continuous aerobic fermentation is carried out by natural ventilation and the oxygen provided by the contact between the materials and the air when the material is turned over. The fermentation process is fully automatic and intelligent control. Working principle: under the transportation of vertical and horizontal walking mechanisms, the high-speed running circular rake will throw up, scatter and produce certain displacement of the fermentation materials, so that the materials will move back in a regular and equal distance in the tank. The fermented materials will be transported away from the end of the fermentation tank every day, and the space vacated at the front of the fermentation tank (the processing capacity of a day) will be supplemented with new fermentation materials, thus forming a continuous fermentation process.
2. There are 32 oxygen filling pipes distributed in the fermentation tank, which are arranged at intervals from top to bottom. Each pipe is 16 oxygen filling pipes, which are staggered from top to bottom. According to the requirements of fermentation process, compressed air is regularly charged from the oxygenation pipeline. The whole set of production equipment adopts DCS intelligent automatic centralized control. Automatic control of temperature, moisture, CN ratio, oxygen content, PH maturity, electric heating and airflow equipment operation during the fermentation of cow dung in the fermentation tank.



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.



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