



Fermenter Organic Fertilizer Fermentation Tank Food Waste To Fertilizer Machine Fecal 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
- Function: Manure Fermentation
- Capacity: 400-1200m³/h
- Raw Material: Animal Wastes
- Colour: Customizable
- Application: Turning Mixing Organic Compost
- Water Percent After Fermentation: About 20-30%
- Highlight: **Organic Fertilizer Fermentation Tank, Fecal Fermentation Tank, Food Waste Fermentation Tank**



Product Description

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Fertilizer horizontal fermentation tank is a device designed specifically for the production of organic fertilizers, widely used in fields such as agriculture, animal husbandry, landscaping, and waste disposal. It effectively promotes the fermentation and decomposition of raw materials through processes such as flipping, stirring, and heating inside the tank, and quickly converts them into organic fertilizers. This equipment has the characteristics of high efficiency, energy saving, and environmental protection, which can effectively improve the yield and quality of organic fertilizers and adapt to the production needs of fertilizers of different scales.

Livestocks excrements intelligent fermentation all-in-one machine manchine for organic fertilizer,It is aimed at the livestock manure in farm,residual sludge in sewage tretment plant to ferment with high temperature.It is aimed at organic matter in waste to biodegrade,It can achieve the integrated processing equipment of harmless, stabilization, energy saving and resource utilization.

Advantage of Aerobic Fermentation Machine:

- (1) Wide range of applications, to achieve catering, kitchen waste, fresh, fruit and vegetable four-in-one mixed disposal;
- (2) Widely applicable objects, there is no need to make special adjustments to the grease and PH value of garbage before treatment;
- (3) The degradation capacity is fast, the degradation is completed within 24 hours, and the reduction rate can reach more than 85%;
- (4) Excellent performance of strains, high genetic stability of high-temperature aerobic microorganisms, repid propagation, one-time input of strains, no need to add repeatedly;
- (5) Good sterilization of germs, equipment temperature maintained at 60 degrees, effectively killing various pathogens and parasites including African swine fever;
- (6) Low unit energy consumption, high-efficiency heating system, thermal insulation system and exclusive patented energy-saving control technology, energy saving and power saving;
- (7) The resource effect is high, and the degradables can be deeply processed into organic fertilizers;Oily wastewater can be separated from waste oil and reprocessed into biodiesel;

| Model | Heating Power(kw) | Stirring Power(kw) | Reducer Model | Stirring Speed(r/min) | Dimensions(m m) |
|-------|--------------------|--------------------|---------------|-----------------------|-----------------|
| 15m³ | 30 | 22 | ZQD850-291.19 | 3.4 | 6000*2600*2800 |
| 20m³ | 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.



TONGDA HEAVY

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