



## Organic Fertilizer Production Poultry Manure Compost Tanks Fermentation Equipment

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: TONGDA
- Certification: CE, ISO
- Model Number: 15m<sup>3</sup>
- 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
- Raw Material: Animal Wastes
- Colour: Customizable
- Processing: Fermenting Equipment
- Highlight: **Poultry Manure Fermentation Equipment, Organic Fertilizer Production Fermentation Equipment, Organic Fertilizer Fermentation Equipment**



## Product Description

### Organic Fertilizer Production Poultry Manure Compost Tanks Fermentation Equipment

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

#### Working principle of organic fertilizer fermentation equipment:

- 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.
- 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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