



## Customized Composting Machine For Chicken Manure Waste To Organic Fertilizer Production Line

Our Product Introduction

### Basic Information

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



### Product Specification

- Product Name: Fertilizer Production Line Equipment
- Machinery Capacity: 1-20t/h
- Acceptable Raw Materials: Chicken Manure, Cow Dung, Sheep Dung
- Voltage: 380V/415V/440V
- Application: Fertilizer Granule Making Machine
- Product Advantages: High Speed Homogenizer
- Highlight: **Chicken Manure Waste Fertilizer Production Line**  
**, Customized Fertilizer Production Line,**  
**Fertilizer Production Line**



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## Product Description

### Customized Composting Machine for Chicken Manure Waste to Organic Fertilizer Production Line

#### Organic Fertilizer Plant Description:

The raw materials of organic fertilizer and bio-organic fertilizer can be various livestock manure and other organic waste. The production formula varies slightly depending on the type and raw materials. The basic raw materials are: chicken manure, cow manure, pig manure, sheep manure, crops Straw, sugar factory sugar residue, sugarcane bagasse, beet residue, distiller's grains, medicinal residue, furfural residue, mushroom residue, bean cake, rapeseed cake, plant ash, etc.

#### Animal manures fertilizer pellet production line /organic fertilizer granulator production line for sale:

##### Raw Materials of bio organic fertilizer granulation production line

**Agricultural waste :** Straw,dregs of beans,cotton dregs,rice bran,etc

**Livestock/human waste:** Mixture of poultry litter(PL) and livestock/animal/human waste,slaughterhouse waste,fish maket,urine and dung of cattle,pigs,sheep,chicken,ducks,geese,goat,etc

**Industrial waste:** Wine lees,vinegar residue,manioc waste,sugar scum,furfural residue,etc

**Home scrap:** Food waste,bones,the roots and leaves of vegetables,etc

**Mineral:** Humic acid,bentonite,dolomite,etc

**Others :** Sludge of the rive,the sewer,etc

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Model	Capacity(t/h)	Feature
Organic drum granulation production line	0.5-20t/h,1000-200000t/year	Raw material is power, add to 40% humidity,then make granules,dry granules.
Organic roller granulation production line	0.5-20t/h,1000-200000t/year	Raw material is power, add to 40% humidity,then make granules,dry granules.
Organic granulation production line	0.5-20t/h,1000-200000t/year	Raw material is power, add to 40% humidity,then make granules,dry granules.
Disc granulation production line	0.5-20t/h,1000-200000t/year	Raw material is power, add to 40% humidity,then make granules,dry granules.

#### Technological Process:

**1.Fermentation Process:** The initial stage of the production line is organic matter fermentation. During the preparation stage, the compost will be fed into the mixer to be tumbling action and mixed, in order to further increasing efficiency of the fermentation speed.

**2.Crushing Process:** During this process, through the crusher crushing the compost block, be ready for the pelleting process, If the efficiency compost fermentation is good, without lumps, this step can be omitted.

**3.Quantitative composition process:** If you need to add many kinds of material in the processing. In order to improve the processing efficiency and the exact proportion of the ingredients in the processing. You can use the automatic batching system. The system contains a number of quantitative belt scales. On the other hand, if the production is pure organic fertilizer, this step can be omitted.

**4.Pelleting process:** Disc pellet mill (also named rotary drum pellet mill) is widely used in fertilizer granulation. As the core step of the production line, our equipment can automatical sieving the most suitable shape of the pellets according to our customer's demand. After the granulation of fertilizer, it can be keep the release of fertility, greatly slowing the number of artificial fertilization.

**5.Drying process:** In order to reshape the pellet shape and better storage. The humidity of the fertilizer should no more than 14%. The rotary drum dryer is widely used for drying fertilizer pellets.

**6.Cooling process:** In order to increase the hardness of fertilizer pellets. We need cooling the fertilizer pellets after drying it. The Roller cooling machine can be satisfied with this demand.

**7.Screening process:** Through the drum screen sieve machine to sieving the moderate size pellets. The too small or too large size of fertilizer pellets will be re-crushed and re-granulation.

**8.Coating process:** Use the roller coating machine to carry on the coating to the fertilizer granule. In order to prevent the particle adhesion.

**9.Packing process:** Packing process as the end stage of the whole plant. Generally, the automatic packing machine is more efficiency into bags for sale.

**10.Dust collector system:** The ash and dust will be collected from the whole production line.

**11.Associated Equipment:** Such as the belt conveyor and bucket elevator, etc.



#### Product advantages:

1. Strong adaptability. Suitable for the different formulations, different moisture content, and different concentrations of the compound fertilizer and organic fertilizer.
2. Unique drying and cooling processing and handling. It can be sufficient for drying and cooling material, and again spheronization and polishing on pellets.
3. Low-temperature drying technology. It can produce rich in active microbial ecological fertilizer.
4. Advanced technological processing design. The advantage of the equipment layout is reasonable, compact structure, small spatial footprint.
5. Using the rotary drum dryer by the main hosts of the system. The advantage is strong adaptability, easy operation, and running stability, and most reliable.
6. The hot air furnace could choose oil, gas, coal, biomass, and other efficient automatic (or manual) hot air furnace as a heat source. The advantage is reasonable design, high thermal efficiency, and low drying cost.
7. Unique sealing device. It can be increasing the efficiency, without dust particles, and improve the operating environment
8. Suitable for the different desired customers that have different production capacity requirements. For example, the required capacity of 1-20 million tons per year.

#### FAQ:

##### 1..How should to do if I meet some trouble while using?

A:The English manual book and video will be provide for showing how to resolve the problems, if necessary, we will dispatch our engineer to your factory.

##### 2. Do you provide the installation service afterordering your machines?

A:As for the single machine, we provide the users instruction and operation video.As for the production line,we provide the professional construction drawing,and arrange the engineer guide the user install the machines.Help the user train the skilled workers.

##### 3.Can we visit your factory to see some fertilizer plant with your machine?

A:We really give every customer a warm welcome to visit our factory,and we can take the customer to visit fertilizer plants with our equipment. Animal manures fertilizer pellet production line /organic fertilizer granulator production line for sale , inquiry now:)



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